

# Potential Sample Interferences

## Appendix Contents

Table C-1 lists situations in which substances in the samples themselves can interfere with accurate analysis, and provides possible solutions.

**Table C-1: Intrinsic Substances: Potential Sample-Induced Interferences**

Sample Condition	Indicators	Results Affected	Causes	Solutions
Lipemia	<ul style="list-style-type: none"> <li>Cloudy, white plasma.</li> <li>High MCHC.</li> </ul>	Increased HGB, MCH, MCHC. RBCs may be smudged on blood film.	Non-fasted sample Metabolic disorder <sup>a</sup>	Redraw fasted sample. Use RBC, PCV, MCV, and RDW rather than HGB, MCH, MCHC values to assess anemia.
Hemolysis	Pink or red plasma.	<ul style="list-style-type: none"> <li>Decreased RBC, PCV</li> <li>Increased MCHC</li> </ul>	Traumatic venipuncture Hemolytic anemia	Redraw w/ clean venipuncture. Remove needle before dispensing blood into tube. N/A
Clumped platelets	<ul style="list-style-type: none"> <li>Decreased platelet count w/ platelet clumps often visible on blood smear or applicator stick dipped in sample.</li> <li>Rising left side of lymphocyte curve.</li> <li>Small pale clots stick to wooden applicator stick swirled in sample.</li> <li>Low platelet histogram with a rising right side.</li> <li>Possible tailing on right side of granulocyte curve.</li> </ul>	Decreased PLT +/- increased WBC	Traumatic venipuncture or feline species Excess potassium EDTA (under-filled tube)	Redraw; collect blood in anti-coagulated syringe or use vacutainer system; invert tube several times immediately after filling; vortex sample immediately before testing. Fill tube at least halfway, or remove portion of potassium EDTA before filling tube.
Giant platelets	Right side of platelet histogram runs into RBC histogram.	Decreased PLT, decreased MPV	Thrombopoiesis, feline species	Use alternative anti-coagulant as heparin or citrate; vortex sample immediately prior to sampling.
Clotted sample	<ul style="list-style-type: none"> <li>Visible clot in sample.</li> <li>Red clot(s) stick to wooden applicator stick swirled in sample.</li> <li>Platelet clumps may or may not be visible on blood smear.</li> </ul>	Decreased PLT, decreased WBC, and/or decreased RBC (varies with clot size)	Traumatic venipuncture and/or delayed transfer to anti-coagulant	Redraw with clean venipuncture; use vacutainer system or anti-coagulated syringe; mix collection tube by multiple inversions immediately after filling. Clotted sample may clog the sample needle.
Lyse-resistant RBCs	<ul style="list-style-type: none"> <li>Rising left side of lymphocyte curve.</li> <li>L flag in dogs.</li> </ul>	Increased WBC, increased Lymphs	Idiopathic (most commonly with felines)	Lyse volume may be adjusted for the sample (for additional information, contact Abaxis Technical Support — see <a href="#">page 1-3</a> ).

a).Diabetes mellitus, nephrotic syndrome, hypothyroidism, lipoprotein lipase deficiency, acute pancreatitis, cholestasis, hyperadrenocorticism, hypercholesterolemia in briards, idiopathic hyperlipidemia of miniature schnauzers.

The following pages present a variety of veterinary case studies.

## Appendix Contents

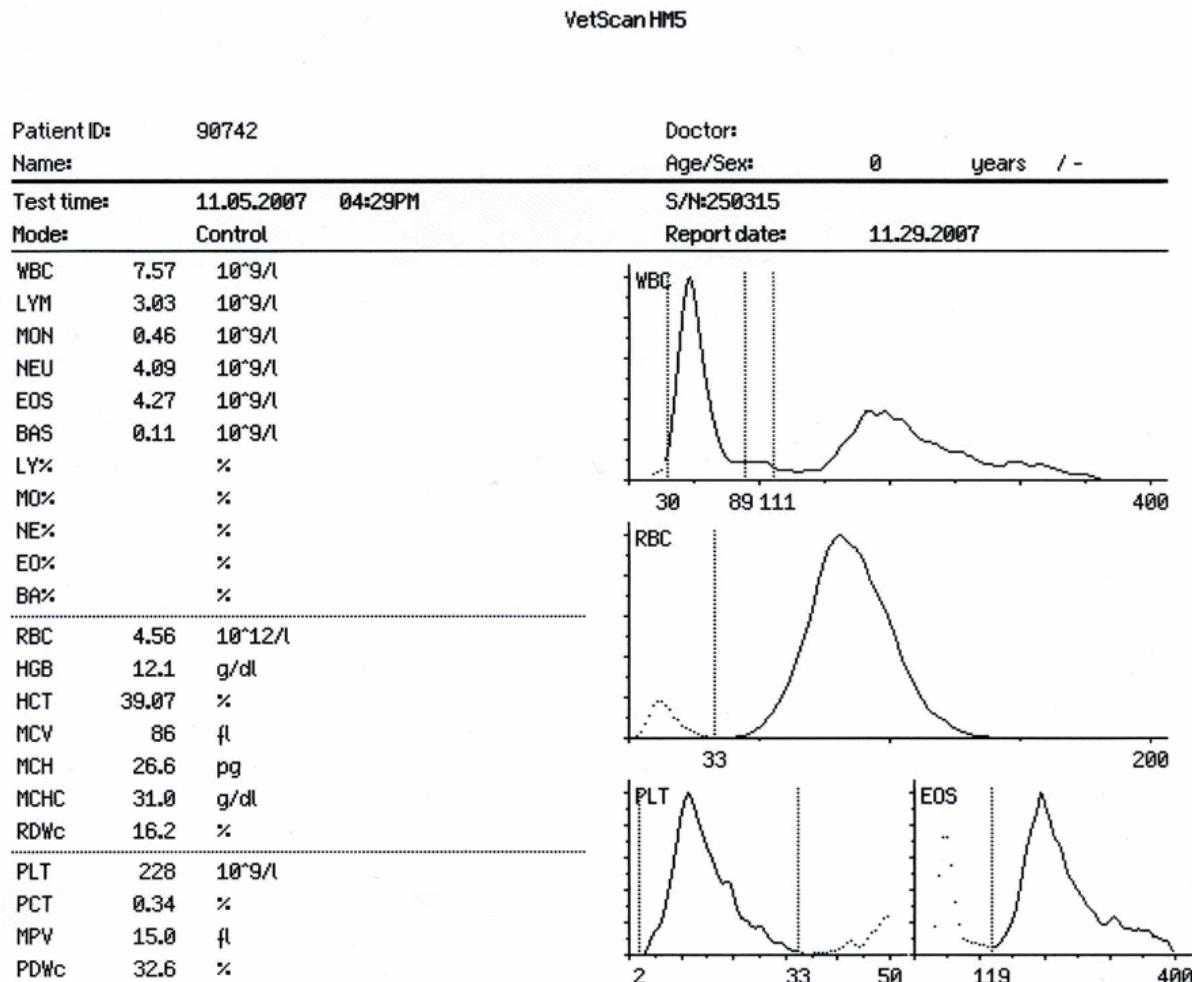
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## D.1 Normal Level Control

The following report shows typical histograms of normal level control blood run in test mode (the control results are the same in test mode as in QC mode).

Note the differences in cell populations: human samples and control blood contain larger cells than animal blood.

Samples run under the species “Control” do not display reference range bars or cell percentages.

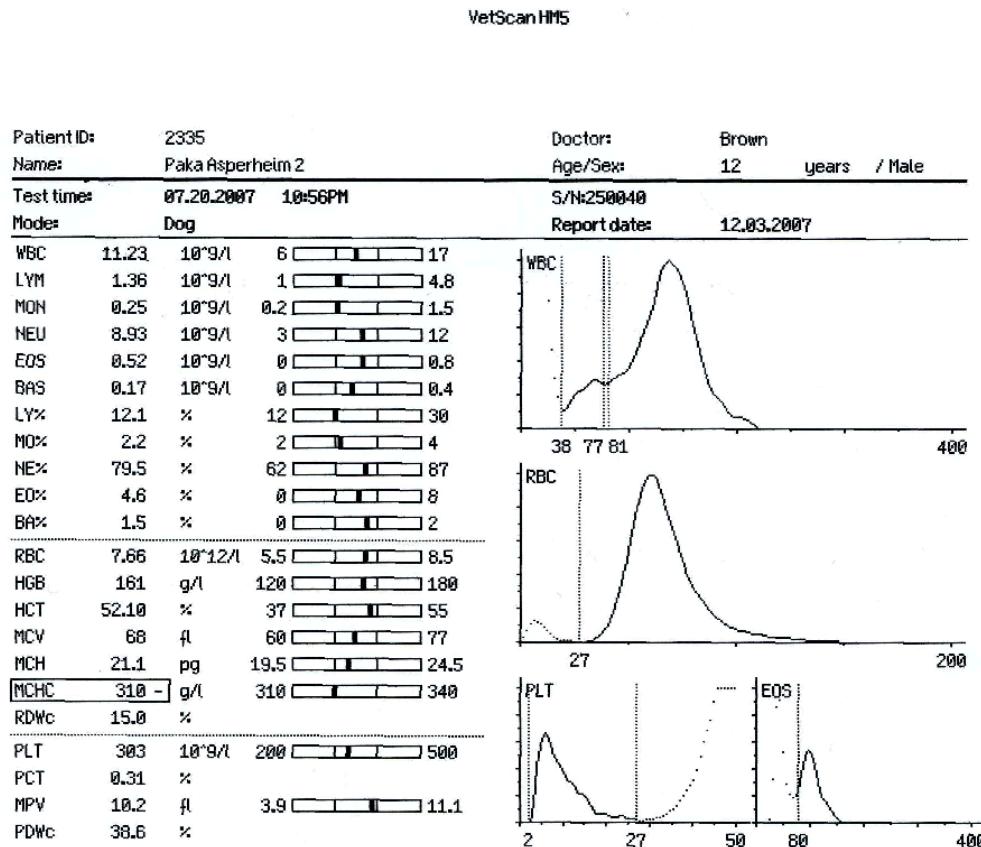


## D.2 Dogs

Dog samples show RBC peaks around 60–70 fl with a good separation of the PLTs from the RBCs. Canine lymphocyte populations (lymphocytes, monocytes, and granulocytes) can overlap as a result of similar cell sizes.

### D.2.1 Dog: Normal Sample

The following shows a normal dog histogram.

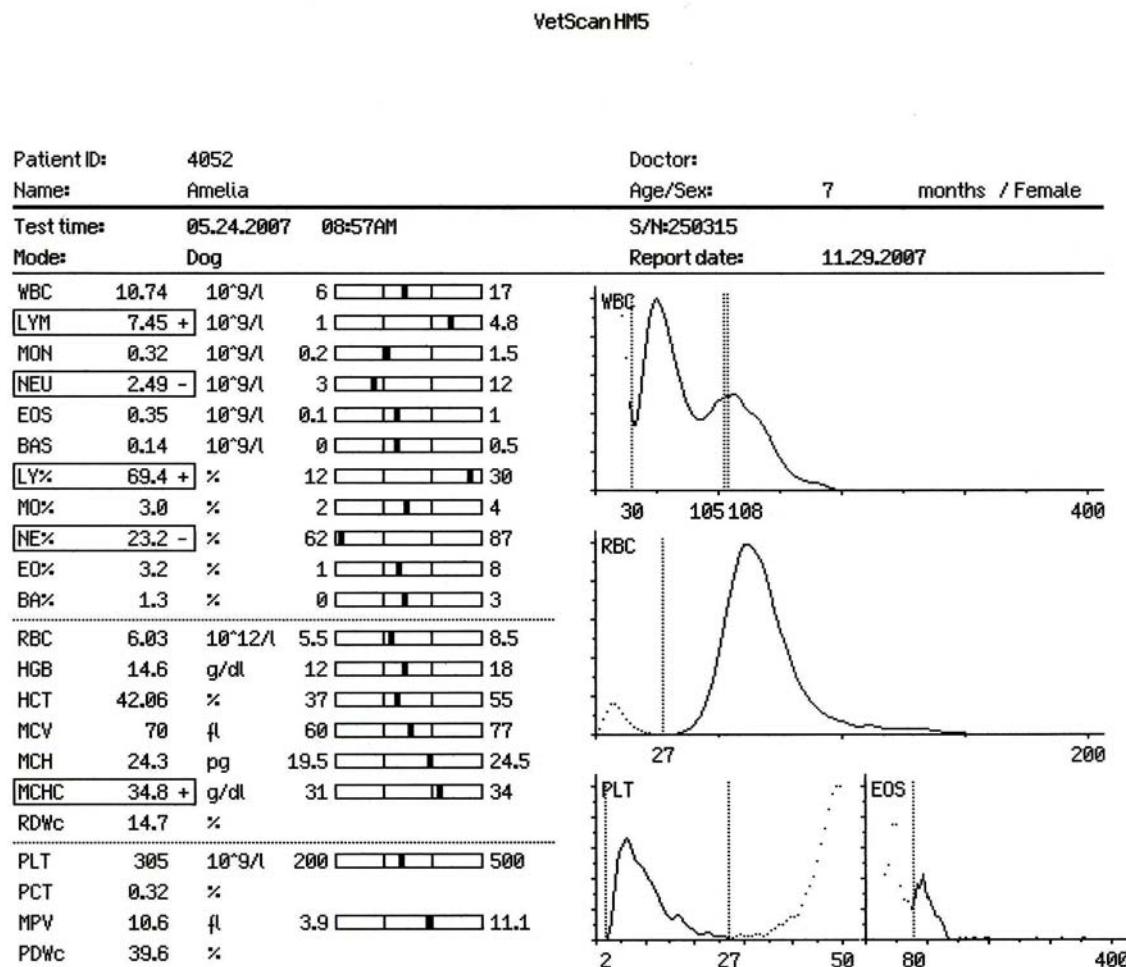


These histograms indicate the following:

- WBC — All cells larger than approximately 40 fl are counted as WBCs (indicated by discriminator 1). Discriminators 2 and 3 show the MON population. The histogram shows well-defined LYM and GRA peaks, with MON in the valley between them.
- RBC — All cells larger than 25 fl are counted as RBCs. The RBC histogram follows a normal distribution. The MCV is near 68 fl, and the RBC is near  $7.66 \times 10^{12}$  cells/l.
- PLT — PLT cell population is between 2 and 27 fl. The PLT histogram follows a log-normal distribution.
- EOS — An ideal EOS peak is shown, well-separated from other cell types to the left.

## D.2.2 Dog: High LYM%, Low GRA%

The following shows a sample that has high LYM%. (LYM% is normally near 12–30% for dogs.) This case shows a lymphocytosis.

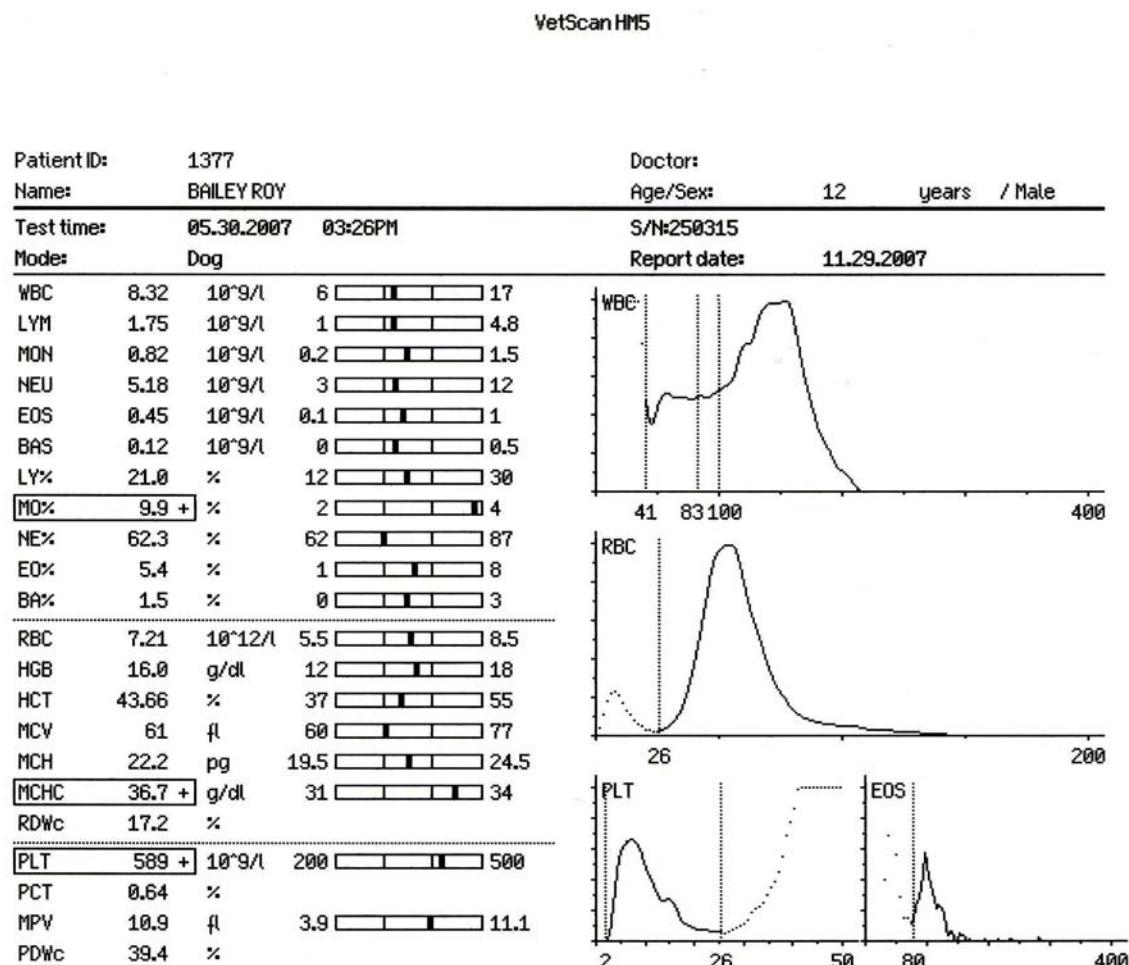


These histograms indicate the following:

- WBC — High LYM%, low NEU%.
- RBC — Normal.
- PLT — Normal.

### D.2.3 Dog: High PLT

In this sample, the absolute value of PLT is high, and the LYM population is much smaller than the GRA population. This case demonstrates a thrombocytosis.

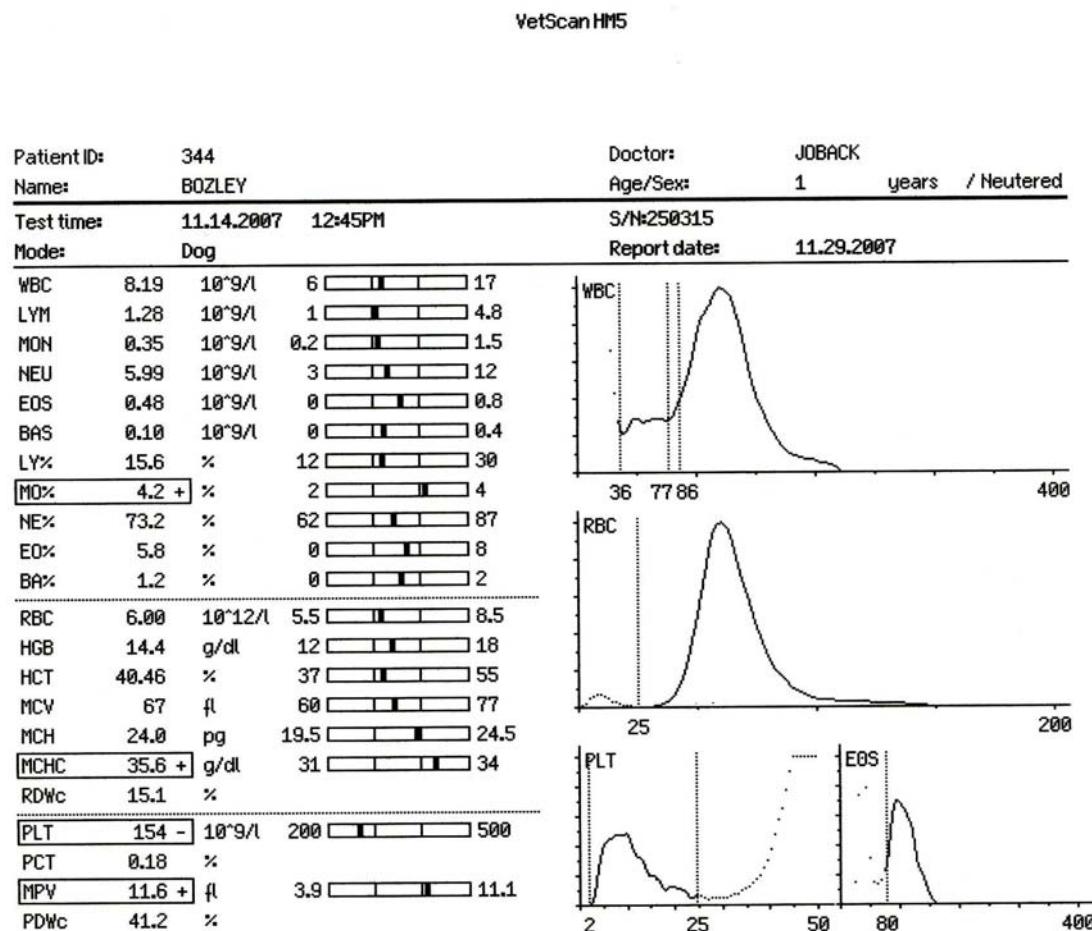


These histograms indicate the following:

- WBC — Three-part differential curve with good separation between populations.
- EOS — Normal EOS count.
- RBC — Normal.
- PLT — High PLT. No sign of PLT clumping.

## D.2.4 Dog: Low PLT, Low MPV

This sample shows a very low PLT, while the WBC and the differential are normal. This case demonstrates a thrombocytopenia.

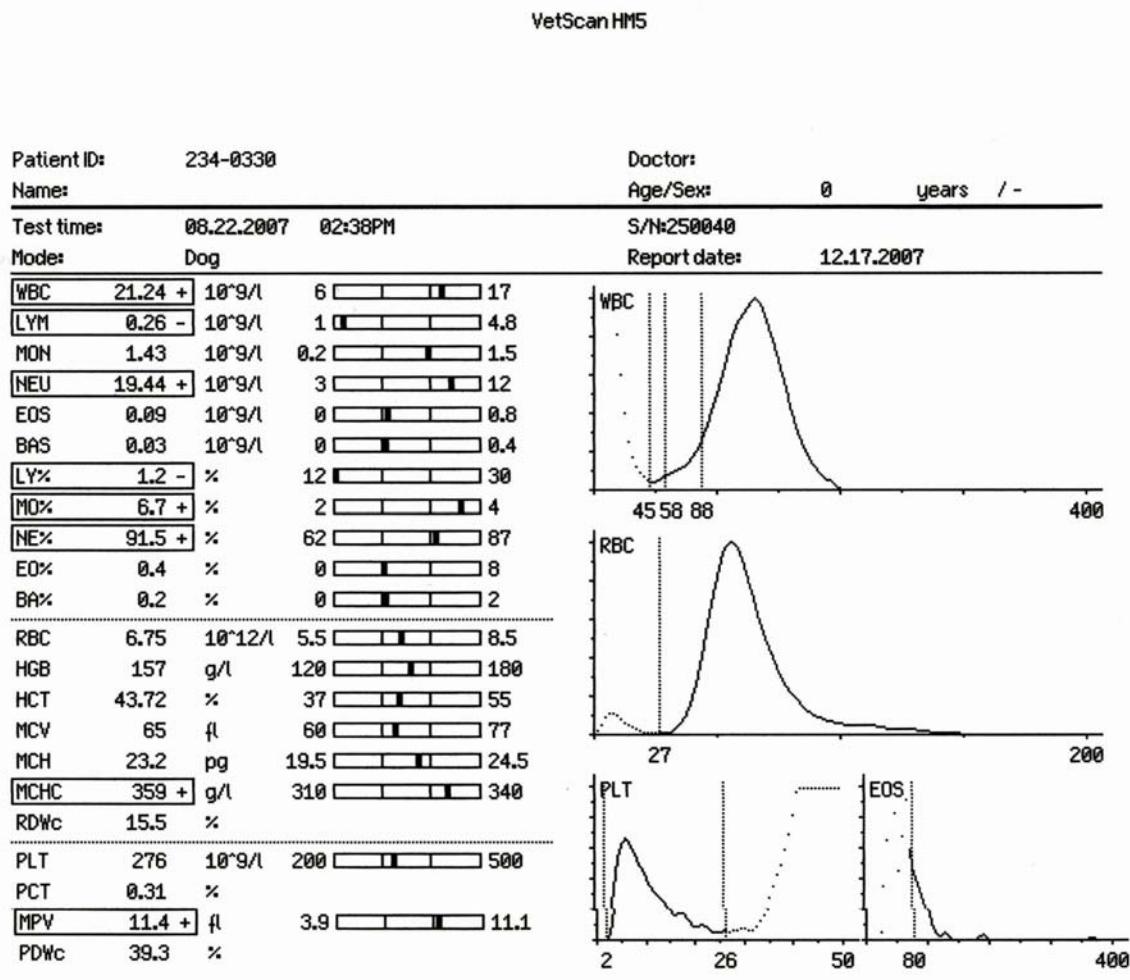


These histograms indicate the following:

- WBC — Discriminator 1 is at 36 fL, which is slightly lower than normal. Otherwise, the histogram appears to be normal. Discriminators 2 and 3 are placed correctly according to the WBC population.
- RBC — Normal.
- PLT — Low PLT. The nicely shaped PLT curve indicates that no clumping has occurred, but a manual smear is recommended for confirmation.

## D.2.5 Dog: Stress Leukogram

When dogs are stressed before the sample draw, they often show an increase in total WBC count, with an elevated NEU count and a decreased LYM count. Dogs that are stressed but otherwise healthy display results similar to those shown below.

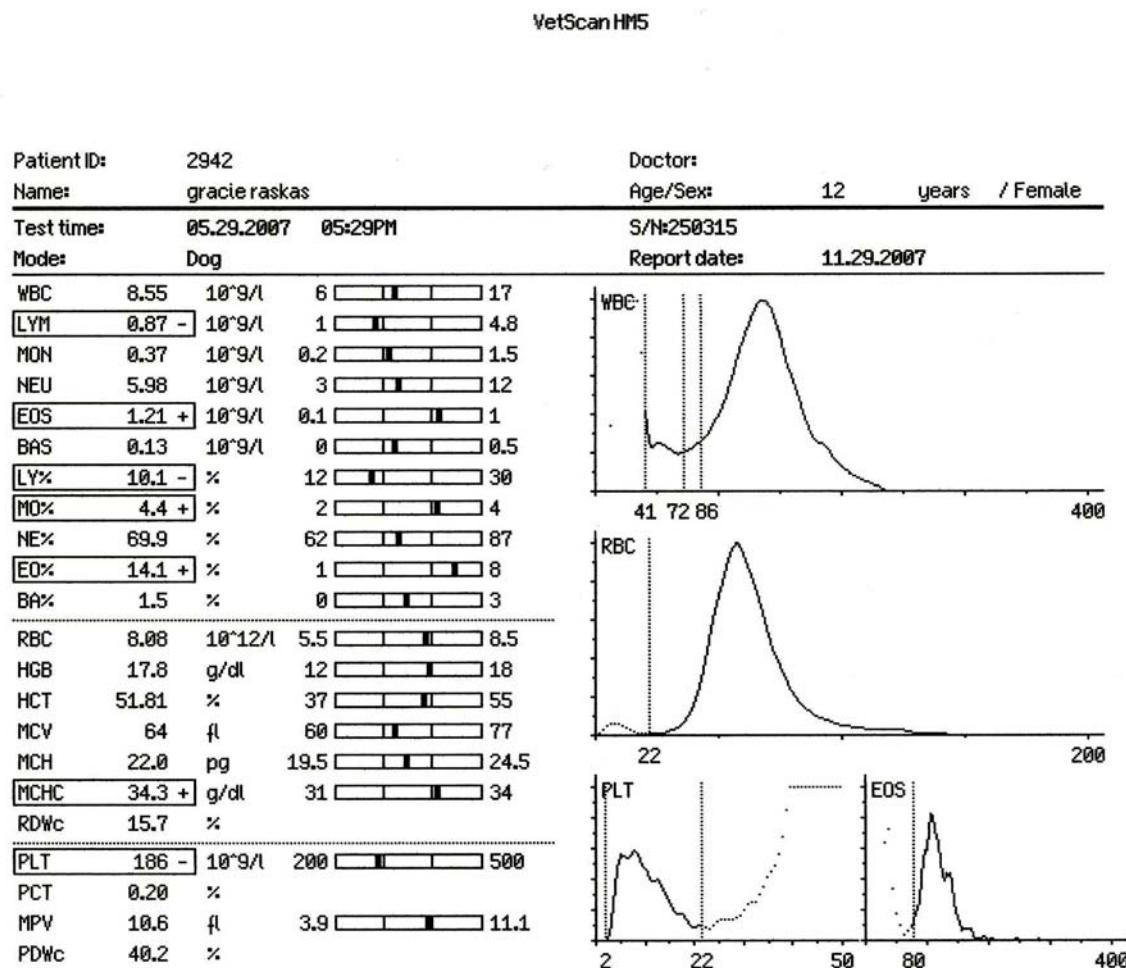


These histograms indicate the following:

- WBC — Very high total leukocyte count, with a pronouncedly shrunken LYM peak and an elevated NEU with suppressed EOS.
- RBC — Normal.
- PLT — PLT count is normal for this sample.

## D.2.6 Dog: Eosinophilia

This sample demonstrates an eosinophilic canine patient.



These histograms indicate the following:

- WBC — The histogram shows a fairly normal WBC profile.
- EOS — The absolute count of eosinophils and EOS% are above normal. The high EOS value indicates a need for a manual blood smear.
- PLT — The distinct peak shows a slight thrombocytopenia, with no detectable clumping.

## D.3 Cats

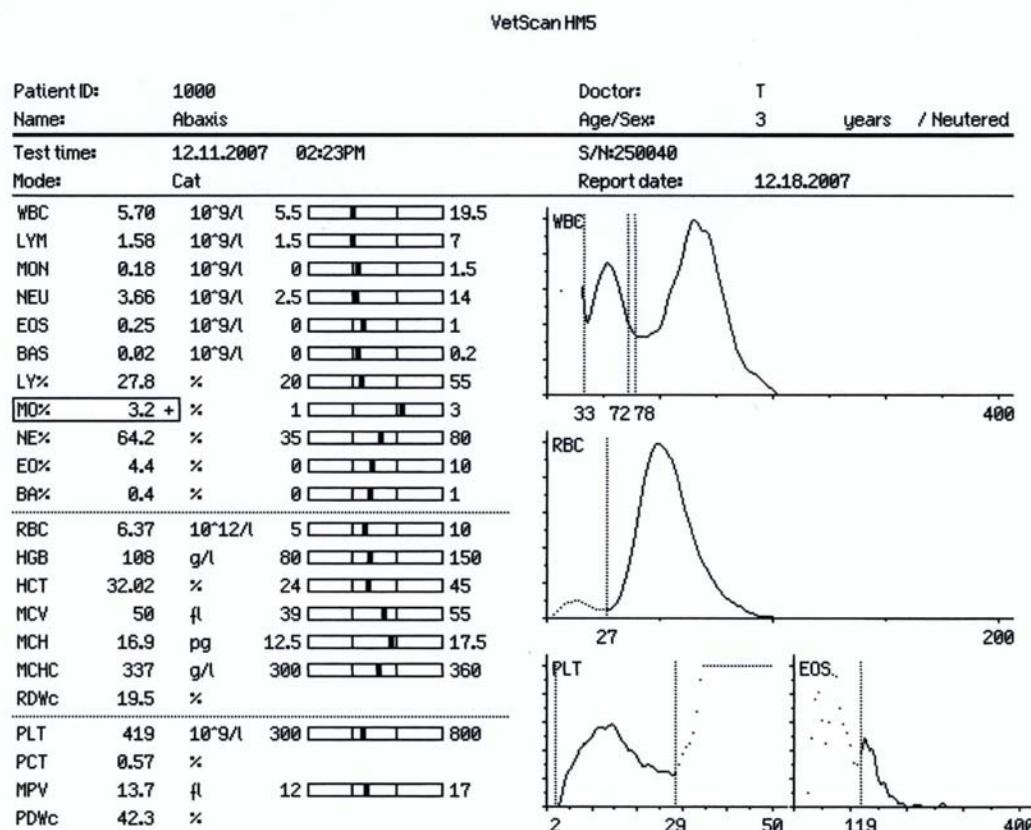
An important characteristic of cat blood is that the RBCs are much smaller than those of dogs, potentially causing the RBC and PLT histograms to overlap slightly.

Cats also commonly demonstrate both platelet aggregation and giant platelets. The analyzer minimizes these effects with a proprietary technology and dynamic discriminator approach to maximize accuracy.

Some clinics have minimized stress-induced platelet aggregation by collection from the saphenous vein. Analyzing the sample as close to the time of draw as possible also minimizes PLT clumping. Pre-analytical vortex mixing (up to 30 seconds) also helps disaggregate platelets, with no deleterious effects.

### D.3.1 Cat: Optimal Sample

The following shows an optimal normal cat sample.

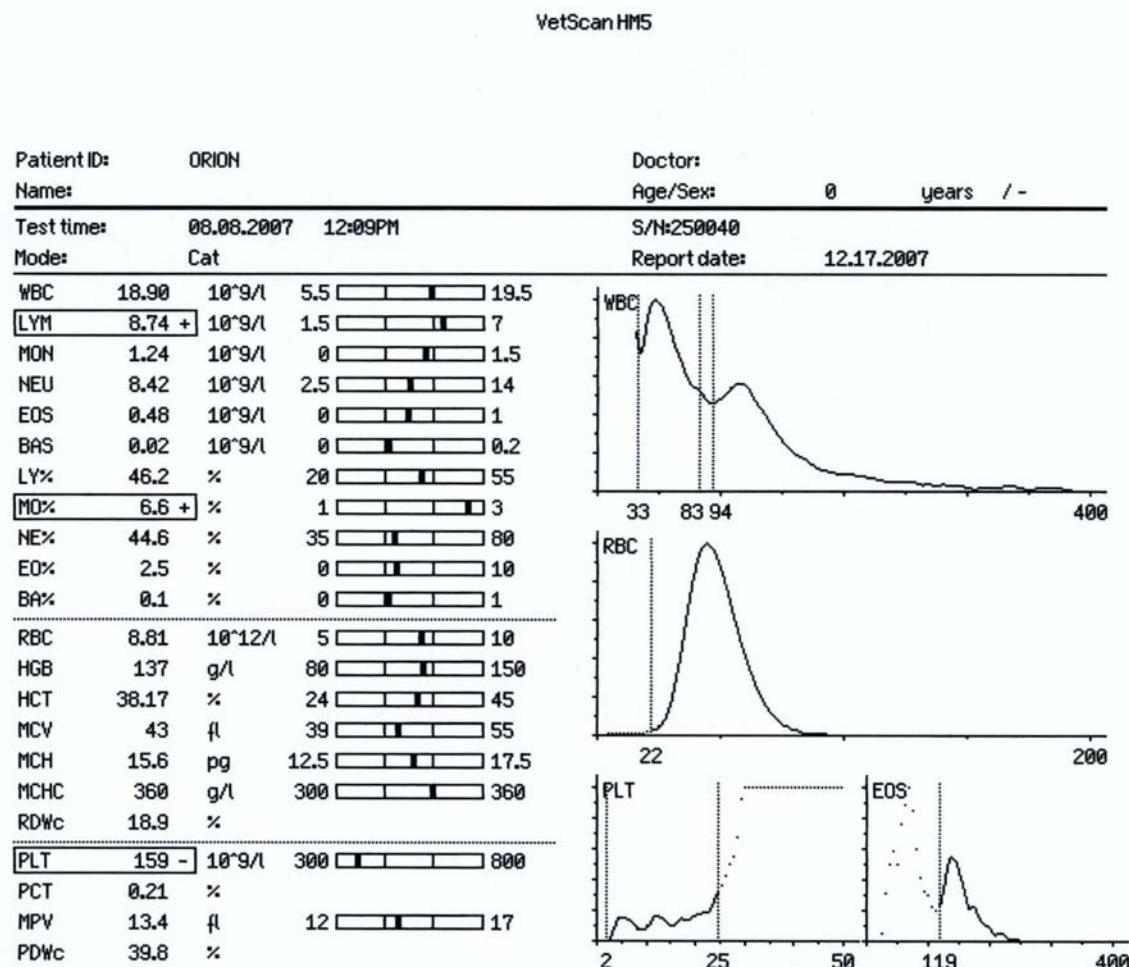


These histograms indicate the following:

- WBC — Normal. Well-defined and well-separated LYM and GRA (granulocyte) peaks.
- RBC — Normal.
- PLT — Optimal: the PLT is well separated from the RBC in a well-defined peak.

### D.3.2 Cat: Clumped PLT, Increased LYM

The histograms for this cat indicate that clumped PLTs are affecting the WBC count:

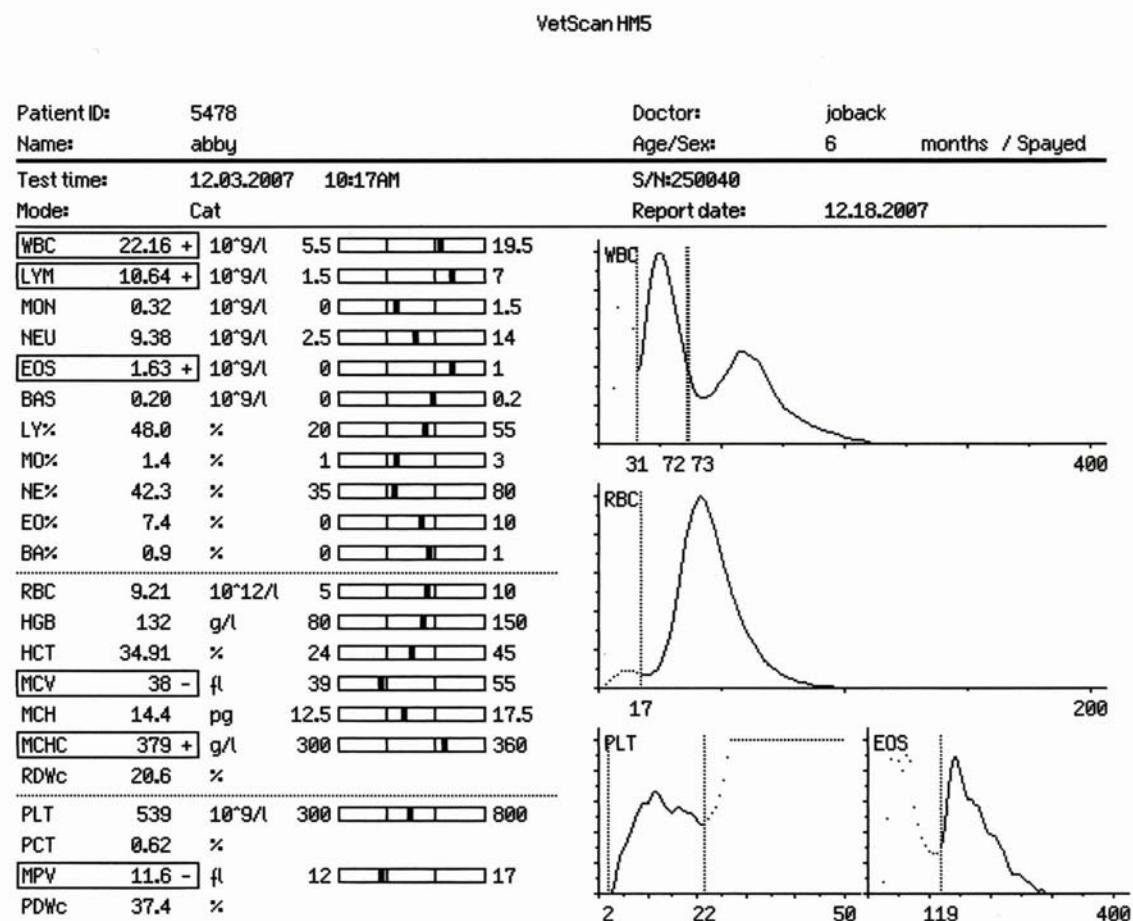


These histograms indicate the following:

- WBC — The increased size of the LYM peak relative to the GRA peak and the high LYM result on a cat sample suggest that the user should examine the PLT histogram. The clumped platelets (PLT) increase the LYM count in this sample, and also contribute to cell aggregates, shown in the extended tail on the right of the histogram.
- PLT — The PLT histogram lacks a defined peak and slopes upward to the right, indicating the presence of clumped platelets.

### D.3.3 Cat: Eosinophilia and Lymphocytosis

This sample demonstrates a lymphocytosis and eosinophilia in a feline patient.



These histograms indicate the following:

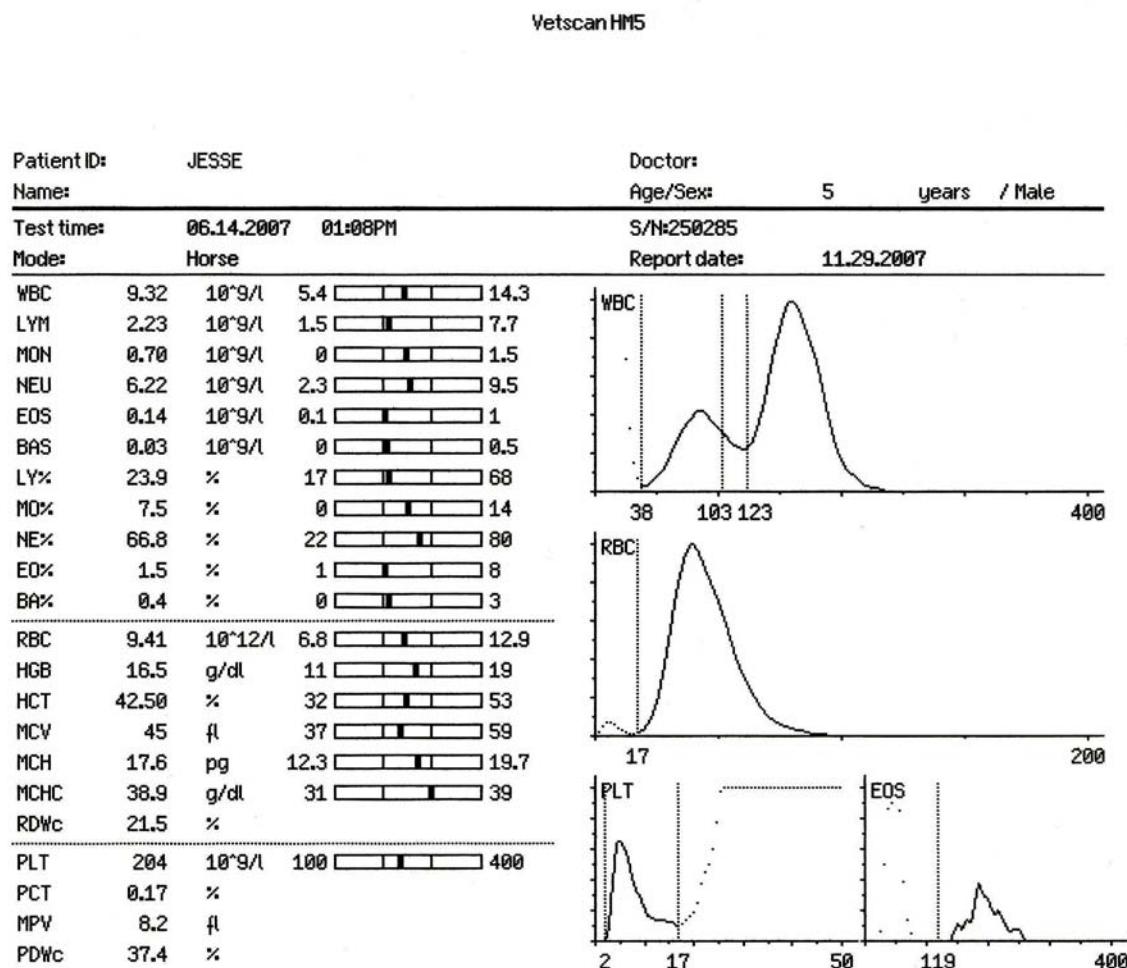
- WBC — Large increase in LYM with a relative decrease in GRA. The large LYM count and uniform shape of the histograms indicate that this is likely a genuine lymphocytosis.
- EOS — The EOS histogram shows a single broad peak, which causes the high EOS count.
- RBC — Normal, with normal distribution.
- PLT — The PLT curve slopes up and indicates some clumping in this sample.

## D.4 Horses

Horse samples typically show a good separation of PLT/RBC, and well-separated WBC populations. The MCV is relatively low, while the RBC is high — around  $10 \times 10^{12}$  cells/l — giving an HCT near 40%.

### D.4.1 Horse: Normal Sample

The following shows a typical normal sample for a horse:

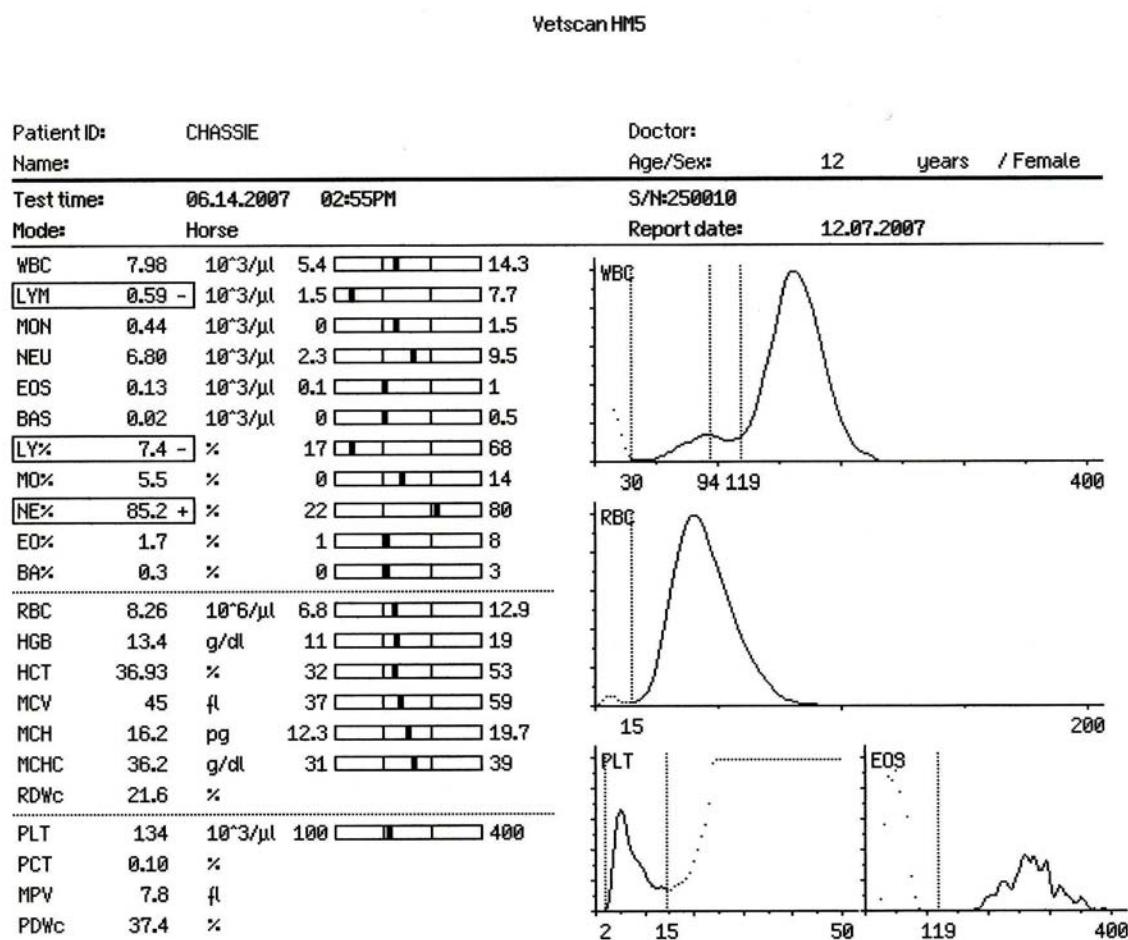


These histograms indicate the following:

- WBC — WBC value is normal, the cells are well separated, and the discriminators are set accurately.
- RBC — Normal. (Compare dog and horse histograms to see the smaller cells in the horse.)
- PLT — PLT is correct. (Note the good separation at the PLT/RBC discriminator.)

## D.4.2 Horse: Low LYM%, High GRA%

The following is a typical horse sample with a lymphopenia.

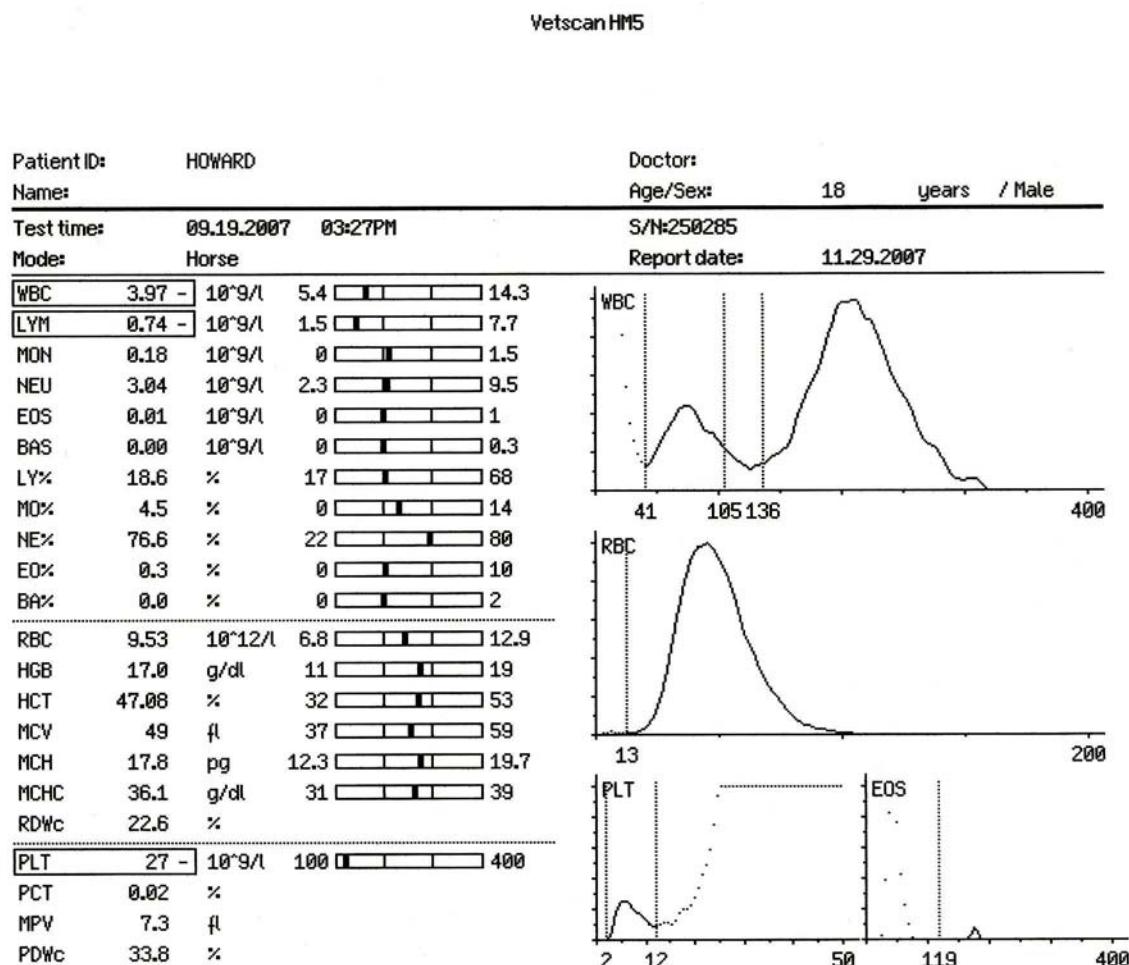


These histograms indicate the following:

- WBC — Low LYM% and a high GRA%. Discriminators are set accurately.
- RBC — Normal.
- PLT — Normal. (Note the good separation from RBCs.)

### D.4.3 Horse: Low PLT and WBC (Leukopenia/Lymphopenia)

In some cases, the PLT will be low. You can compare the height of the PLT peak to the RBC peak on the RBC histogram.

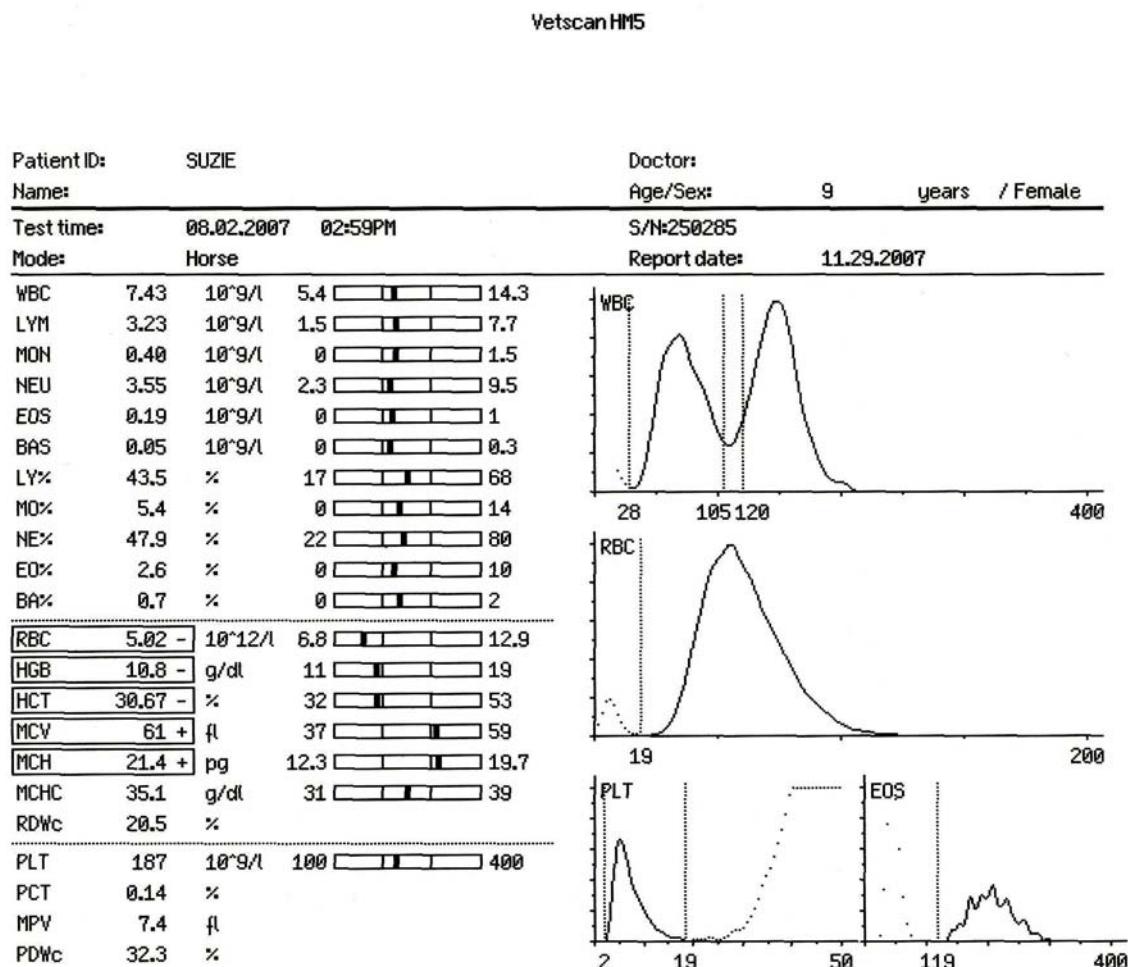


These histograms indicate the following:

- WBC — Low WBC and LYM, with accurately placed discriminators.
- RBC — Normal.
- PLT — Low PLT.

#### D.4.4 Horse: Low RBC and HGB

This case shows a normal sample, with a slightly low RBC and HGB. It also shows good separation of the WBC populations from the RBC and from each other.



These histograms indicate the following:

- WBC — This is a well-separated WBC histogram, showing clear populations and good WBC differentials.
- RBC — Low RBC (HCT) and HGB, indicating possible anemia. MCV is slightly higher, and the RBC histogram is slightly skewed to the larger end, indicating the presence of larger, perhaps immature RBCs.
- PLT — Normal. (Note the good separation from RBCs.)



# CBC Parameters and Associated Indications

Complete Blood Count (CBC) parameters are useful in assessing overall wellness of a patient, as well as identifying and monitoring certain disease states. This appendix outlines the various CBC parameters and associated clinical indications.

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## E.1 White Blood Cell Parameters and Associated Indications

Table E-1: White Blood Cell Parameters and Associated Indications

White Blood Cell (Leukocyte)	Role	Increase in Disease State	Decrease in Disease State
<b>Non-Granulocytic</b>			
<b>Lymphocytes</b>	<b>B-cells:</b> humoral immunity (antibody synthesis) <b>T-cells:</b> cellular immunity	<ul style="list-style-type: none"> <li>Chronic inflammation</li> <li>Acute infection/recovery</li> <li>Lymphocytic leukemia</li> <li>Hypoadrenocorticism</li> </ul>	<ul style="list-style-type: none"> <li>Acute/severe disease</li> <li>Viral disease</li> <li>Endotoxemia</li> <li>Hyperadrenocorticism</li> <li>Stress-related cortico-steroid response</li> </ul>
<b>Monocytes</b>	Immature macrophages — phagocytosis of debris/foreign material, killer-cell activation	Necrotic, malignant, hemorrhagic, or immune-mediated disease	Rare, no known significance
<b>Granulocytic</b>			
<b>Neutrophils</b>	<p><b>Left shift:</b> Increased numbers of immature neutrophils/band cells.</p> <ul style="list-style-type: none"> <li>regenerative: up to 50% bands, neutrophilia, absence of myelocytes/metamyelocytes</li> <li>degenerative: &gt; 10% bands, depressed total neutropenia, presence of myelocytes/metamyelocytes (poor prognostic indicator)</li> </ul> <p><b>Right shift:</b> Increased number of hypermature (hyper-segmented) neutrophils, often seen with non-infectious inflammatory process (e.g. malignancy)</p>	Phagocytize/kill microorganisms, initiate and modify inflammatory process, cytotoxic <ul style="list-style-type: none"> <li>Inflammation</li> <li>Neoplasm</li> <li>Stress</li> <li>Exercise/excitement</li> </ul>	<ul style="list-style-type: none"> <li>Bacterial infection</li> <li>Viral infection</li> <li>Drug-induced (bone marrow depression)</li> </ul>
<b>Eosinophils</b>	<ul style="list-style-type: none"> <li>Parasiticidal</li> <li>Cytotoxic</li> <li>Phagocytic</li> </ul>	<ul style="list-style-type: none"> <li>Parasitic infection</li> <li>Allergic responses</li> <li>Hypoadrenocorticism</li> </ul>	<ul style="list-style-type: none"> <li>Stress</li> <li>Hyperadrenocorticism</li> <li>ACTH therapy</li> </ul>
<b>Basophils</b>	<ul style="list-style-type: none"> <li>Initiate inflammation</li> <li>Prevent coagulation</li> <li>Activate lipoprotein lipase</li> </ul>	<ul style="list-style-type: none"> <li>Allergic reactions</li> <li>Parasitic infection</li> <li>Neoplasia</li> </ul>	No known significance

## E.2 Red Blood Cell Parameters and Associated Indications

**Table E-2: Red Blood Cell Parameters and Associated Indications**

Parameter	Definition	Diagnostic Consideration
<b>Hematocrit (HCT)</b>	Percentage of total cellular constituents (primarily red blood cells) in a unit of whole blood	Anemia exists when the HCT falls below the reference range for the species. Hematocrit will normally have a value of approximately three times the hemoglobin value.
<b>Hemoglobin (HGB)</b>	The oxygen-carrying component of red blood cells; allows for the calculation of MCH and MCHC	Hemoglobin normally falls in the range of 1/3 of the hematocrit value.
<b>RBC Indices</b> Anemia Characterization		
<b>MCV</b> Mean Corpuscular Volume	Measure of the volume of an average RBC	<ul style="list-style-type: none"> <li>• Increase: most commonly associated with reticulocytosis/regenerative anemia.</li> <li>• Decrease: iron-deficiency anemia.</li> <li>• Normal MCV is consistent with non-regenerative anemia, often due to chronic disease. MCV should always be interpreted in light of other clinical data.</li> </ul>
<b>MCH</b> Mean Corpuscular Hemoglobin	Calculated HGB concentration of an average RBC: <ul style="list-style-type: none"> <li>• <math>MCH = (HGB \times 10) / RBC</math> (in picograms)</li> </ul>	<ul style="list-style-type: none"> <li>• Increase: most commonly the result of hemolysis.</li> <li>• Decrease: hypochromasia common in iron-deficiency anemia and reticulocytosis.</li> </ul>
<b>MCHC</b> Mean Corpuscular Hemoglobin Concentration	Calculated HGB concentration in an average RBC: <ul style="list-style-type: none"> <li>• <math>MCHC = MCH / MCV</math> (in grams of HGB per 100 ml RBCs)</li> </ul>	<ul style="list-style-type: none"> <li>• In the anemic state, normal MCHC (with normal MCV) is consistent with non-regenerative anemia due to chronic disease.</li> <li>• Decrease: hypochromasia common in iron-deficiency anemia and reticulocytosis.</li> </ul>
<b>RDW</b> Red Cell Distribution Width	Measure of red blood cell anisocytosis (cell size variation)	<ul style="list-style-type: none"> <li>• Elevated RDW is typically indicative of anisocytosis. In the anemic state, increased RDW with an associated increase in MCV can indicate increased levels of immature RBCs.</li> </ul>

### E.3 Platelet Parameters and Associated Indications

**Table E-3: Platelet Parameters and Associated Indications**

Parameter	Increase in Disease State	Decrease in Disease State
<b>Total Platelet Count</b>	Thrombocytosis is present with excess bleeding, iron deficiency anemia and myeloproliferative syndromes.	<ul style="list-style-type: none"><li>• Disseminated intravascular coagulation</li><li>• Bone marrow depression</li><li>• Autoimmune hemolytic anemia</li><li>• Severe hemorrhage</li><li>• Liver disease</li><li>• Parasites</li></ul>
<b>MPV</b> Mean Platelet Volume	Indirect evidence of increased (bone marrow) megakaryocyte response.	Not an accurate predictor of decreased megakaryocyte response.
<b>PCT</b> Platelet Hematocrit	Volume of platelets expressed as a percentage of whole blood (used as a research tool).	Volume of platelets expressed as a percentage of whole blood (used as a research tool).
<b>PDW</b> Platelet Distribution Width	Increased measure of platelet anisocytosis (platelet size variation) indicative of active platelet release.	No known clinical significance.

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NO. 514, ANALYZER, ELECTROLYTE

# x-pedite<sup>TM</sup> isevet<sup>®</sup>

## Electrolyte Analyzer

# Proven



### Delivering Proven Performance

- Fully automated system measuring Na<sup>+</sup>, K<sup>+</sup>, Cl<sup>-</sup> and Ca<sup>++</sup>utilizing Ion Selective Electrode technology
- Sample types to include whole blood, serum, plasma and urine
- Open system architecture allows for testing on varying animal species
- Result storage and retrieval for 1000 sample results
- Powerful microprocessor allowing for integration of results into external LIS

**DiaSys**  
USA

CHOOSING QUALITY.

# A Proven Electrolyte Analyzer for Veterinary Use

Specifications	
<b>Sample</b>	Open, Feline, Canine, Bovine, Equine, Swine, Ovine,
<b>Sample Type</b>	Whole Blood, Serum, Plasma, Urine, or Dialysate
<b>Sample Size</b>	95 µl
<b>Detection Range</b>	Blood Na+: 40-200 mmol/L Dialysate K+: 1.7-15 mmol/L Cl-: 50-200 mmol/L Ca++: 0.3-5.0 mmol/L  Urine Na+: 3-300 mmol/L K+: 5-120* mmol/L Cl-: 15-300 mmol/L *60-120 requires additional dilution
<b>Display Resolution</b>	Na+: 1 mmol/L or 0.1 mmol/L K+: 0.1 mmol/L or 0.01 mmol/L Cl-: 1 mmol/L or 0.1 mmol/L Ca++: 0.01 mmol/L or 0.001 mmol/L
<b>Analysis Time</b>	60 sec without printout (60 per hour) 75 sec with printout (48 per hour)
<b>Data Storage</b>	1000 Patient Results 500 Level 1 QC Results 500 Level 2 QC Results 500 Level 3 QC Results
<b>Calibration</b>	2 point every 4 hours 1 Point after every Measurement
<b>Reproducibility</b>	Within Run (n=30) Blood, Serum, Plasma, Dialysate Na+: CV ≤ 1% (120-160 mmol/L) K+: CV ≤ 2% (2.5-6 mmol/L) Cl-: CV ≤ 2% (85-130 mmol/L) Ca++: SD ≤ 0.02 mmol/L (0.8 – 1.5 mmol/L)  Urine, Na+: CV ≤ 5% (100-250 mmol/L) K+: CV ≤ 5% (10-60 mmol/L) Cl-: CV ≤ 5% (100-250 mmol/L) (Calcium is not typically measured in urine samples)
<b>User Input</b>	Keypad, External Keyboard, External Barcode Scanner (optional)
<b>Output</b>	Graphic backlit display Graphic 16 column printer RS232 LIS Serial Communication
<b>Ambient Conditions</b>	15-32°C, Room temperature (60-90°F) <85% humidity
<b>Languages</b>	English, Chinese, French, German, Italian, Japanese, Portuguese, Russian, Spanish, Korean, Polish
<b>Power</b>	100-240V ~ 50/60 Hz (self adjusting) 1.6 A max, 50 Watts max
<b>Size &amp; Weight</b>	13.2 x 12.4 x 12 in or 335 x 315 x 295 mm, 14 lbs or 6 Kgs



DiaSys Diagnostic Systems, USA, LLC  
28287 Beck Road  
Building D15  
Wixom, MI 48393

Phone: (800) 466.9106  
marketingservices@diasysusa.com  
www.diasys-us.com

# Combo V24T Centrifuge

NO. 515 CENTRIFUGE,  
MICROHEMATOCRIT

Accomplish both test tube and microhematocrit separations with the Combo V24T centrifuge. The Combo V24T spins test tubes, capillary tubes or microtubes by simply changing rotors — no tools required! Achieve microhematocrit separations in less than five minutes at 12,000 rpm; then accurately determine results with the included reader disc. Other features include variable speed control, 30-minute timer, rubber feet, and all-metal body construction.

## ADVANTAGES

- One unit for all centrifuge needs
- Fast spin, fast stop, fast read
- Variable speed
- Digital tachometer
- Quiet vibration-free operation

## FEATURES

- Suction-cupped feet to prevent slipping
- Impact-resistant safe-view lid
- All-metal body construction
- Cooling fan for motor compartment
- Heavy duty high-speed motor
- Safety shut off switch in lid
- Locking lid
- Wide mouth for easy clean-up
- Digital readout



## Combo V24 Centrifuge

Model #	Description
CMP-BX7N-77T1	Combo centrifuge box with digital tachometer, variable speed dial, timer, and brake

- Spin Hematocrit or Test Tubes
- Easy-Change Rotors

## SPECIFICATIONS

12,000rpm on High speed setting  
•Microhematocrit rotor: 14,500g  
•Microtube rotor: 12,900g  
4,000rpm on Low speed setting  
•Test tube rotor: 2,415g

## CONTROLS

- Illuminated power switch
- Electric brake for quick stop
- High/low speed setting switch
- Auto-off 30 minute timer with bell
- Variable speed control

## WEIGHT AND DIMS

Height: 11" (277mm)  
Length: 17" (432mm)  
Width: 14" (355mm)  
Weight: 31.3 lbs (14.2kg)



### CMP-RT24-75HE

Spin standard 75mm capillary tubes with the 24-place microhematocrit rotor. Results can be read directly from the rotor with the included reader disk.



### CMP-RT24-02MT

The 24-place microtube rotor holds 1.5 to 2 ml sized tubes.



### CMP-RT12-15TT

The 12-place test-tube rotor holds 3ml-15ml sized tubes with included tube shields and inserts for smaller tubes. 24 place rotor also available.



### CMP-RT24-15TT

The 24-place test-tube rotor holds 15ml sized tubes with included tube shields and inserts for smaller tubes. 12 place rotor also available.



P 770.270.1394  
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865 Marathon Parkway  
Lawrenceville GA 30046

LWScientific.com

## Care and Maintenance

- 1 Use only high quality test tubes. Lower quality or inexpensive glass or plastic tubes may fracture and release their contents into the tube chamber. Make sure you know the maximum force allowed for the tubes you are spinning.
- 2 Never force a tube into the tube shield. The tube shields were designed to accommodate most common sizes of tubes.
- 3 Keep the tube shields clean. If a tube breaks inside a shield, clean all the debris from the shield and bowl and disinfect.
- 4 If a large amount of fluid has spilled inside the unit, carefully remove the tube shields and rotor and clean the inside of the rotor chamber and the top of the motor.

\*The horizontal metal rotor and tube shields can be autoclaved.

## Specifications

Nominal Speed:	500-3400 rpm
Fuse:	10A
Height:	9.9in
Width:	14.9in
Depth:	14.5in
Weight:	12lbs
Boxed Dims:	16x16x12in
Boxed Weight:	17lbs

Fluid Recommendations:	Speed	Time
Whole Blood	3400	10 min.
Urine	1800	5-10 min.

## LED Display Definitions:

Green LED ON:  
Lid is locked / Ready for cycle

Green LED blinking quickly RED LED ON:  
Unit accelerating

Green LED blinking slowly RED LED ON:  
Unit at operating speed

Red LED blinking/display is "00":  
Lid locked / Cycle complete

G-Force with Fixed Rotor:			G-Force with Swing-Out Rotor:			G-Force with Micro-Tube & 50ml Rotor:		
RCF (g's)	Radius (mm)	RPM	RCF (g's)	Radius (mm)	RPM	RCF (g's)	Radius (mm)	RPM
31	112	500	39	140	500	29	102	500
80	112	800	100	140	800	73	102	800
125	112	1000	156	140	1000	115	102	1000
180	112	1200	225	140	1200	165	102	1200
245	112	1400	306	140	1400	224	102	1400
282	112	1500	352	140	1500	258	102	1500
321	112	1600	400	140	1600	293	102	1600
406	112	1800	507	140	1800	371	102	1800
501	112	2000	626	140	2000	458	102	2000
606	112	2200	757	140	2200	554	102	2200
721	112	2400	901	140	2400	660	102	2400
846	112	2600	1058	140	2600	774	102	2600
982	112	2800	1227	140	2800	898	102	2800
1127	112	3000	1408	140	3000	1031	102	3000
1282	112	3200	1602	140	3200	1173	102	3200
1364	112	3300	1704	140	3300	1247	102	3300
1450	112	3400	1809	140	3400	1324	102	3400

The Universal Centrifuge is intended for use as a general laboratory centrifuge. MKT-7.5.3.-L-110 | Rev 8



# Universal Centrifuge

## Instruction Manual



## Introduction

The Universal Centrifuge from LW Scientific is the perfect solution for both laboratories and doctors' offices. This newest member of our USA centrifuge initiative features a ZERO-RPM locking lid for safety and digital programming of time ranging from 1-99 minutes and speed ranging from 500-3400rpm. Achieve up to 1550g with the fixed-angle rotor or 1809g with the swing-out rotor, resulting in clean, easy to read lines of separation. The LWS Universal centrifuge has a DC motor and comes with a 110-220v auto-switching power supply.

Maximum test-tube size for the **8-place fixed-angle rotor** is 122mm tall and 17.5mm wide if spinning 8 tubes (full load), and 131mm tall and 17.5mm wide if spinning 4 tubes (every other position).

Maximum test-tube size for the **6-place swing-out rotor** is 131mm tall and 17.5mm wide if spinning 6 tubes.

Maximum micro-tube size for the **40-place micro-tube rotor** is 11mm wide (at the collar) and 50mm tall.

Maximum 50ml tube size for the **4-place 50ml rotor** is 30mm wide and 120mm tall.

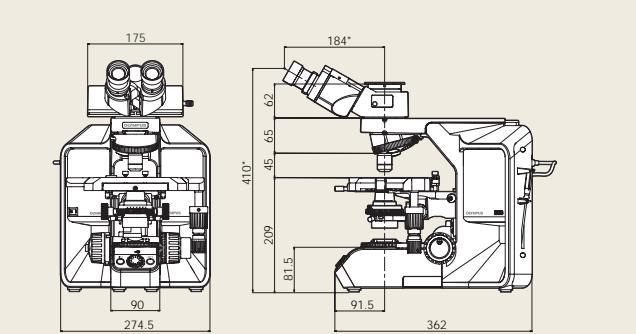
NO 517 MICROSCOPE / USB CAMERA



BX43

**BX43 dimensions**

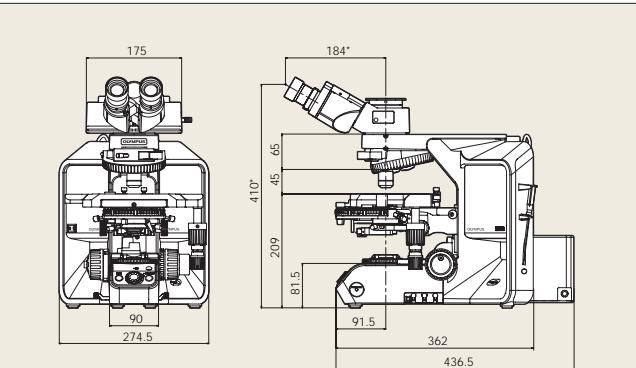
(unit: mm)



Weight: Approx. 13 kg. Power consumption: Approx. 4 W  
The length marked with an asterisk (\*) may vary according to interpupillary distance. Distance for figure shown is 62 mm.

**BX53 dimensions**

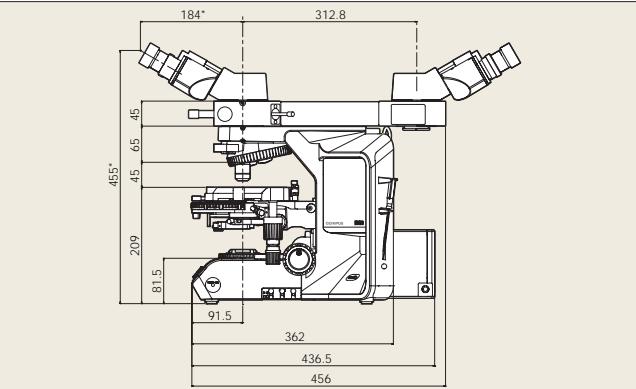
(unit: mm)



Weight: Approx. 16 kg. Power consumption: Approx. 140 W  
The length marked with an asterisk (\*) may vary according to interpupillary distance. Distance for figure shown is 62 mm.

**BX53+U-DO dimensions**

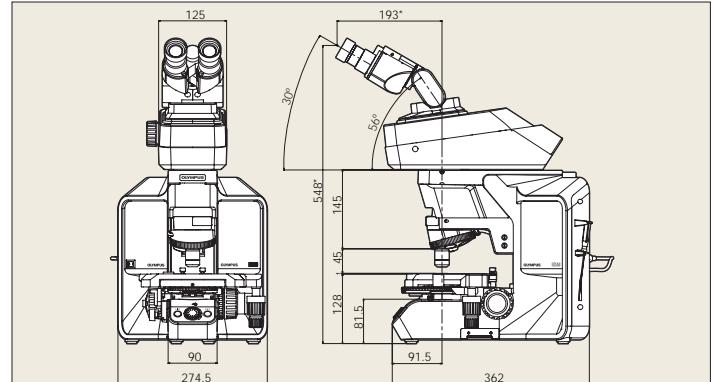
(unit: mm)



Weight: Approx. 19 kg. Power consumption: Approx. 140 W  
The length marked with an asterisk (\*) may vary according to interpupillary distance. Distance for figure shown is 62 mm.

**BX46 dimensions**

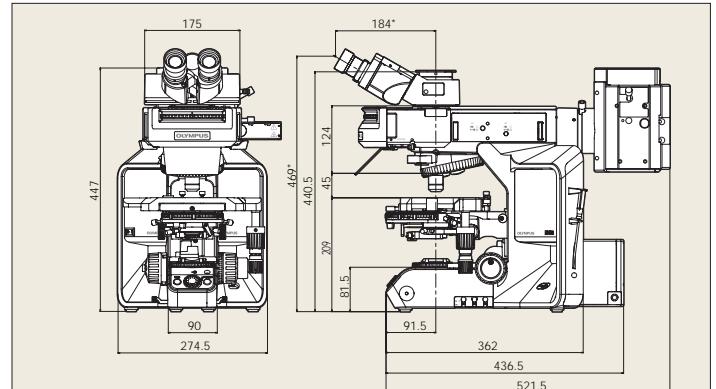
(unit: mm)



Weight: Approx. 17 kg. Power consumption: Approx. 4 W  
The length marked with an asterisk (\*) may vary according to interpupillary distance. Distance for figure shown is 62 mm.

**BX53 FL dimensions**

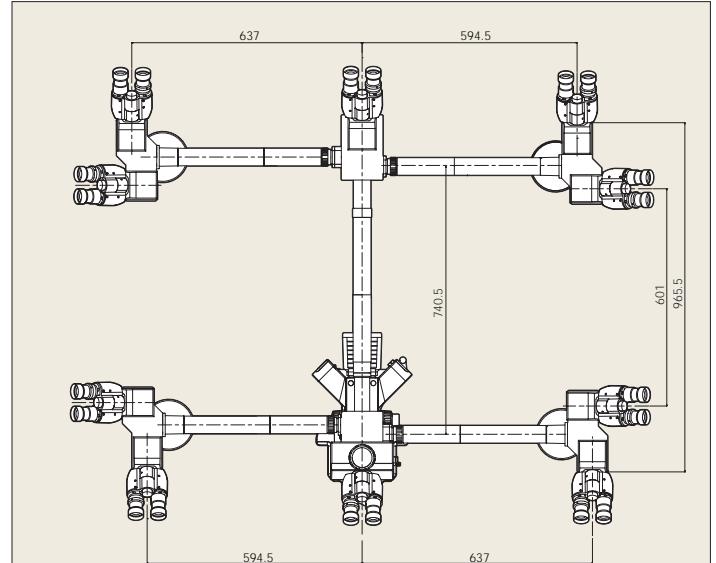
(unit: mm)



Weight: Approx. 21 kg. Power consumption: Approx. 290 W  
The length marked with an asterisk (\*) may vary according to interpupillary distance. Distance for figure shown is 62 mm.

**BX53+U-MDO10 dimensions**

(unit: mm)



Weight: Approx. 35 kg. Power consumption: Approx. 140 W  
The length marked with an asterisk (\*) may vary according to interpupillary distance. Distance for figure shown is 62 mm.

### BX43 specifications

Microscope frame	Optical system	UIS2 optical system
	Focus	Vertical stage movement: 25 mm stage stroke with coarse adjustment limit stopper, Torque adjustment for coarse adjustment knobs, Stage mounting position variable, High sensitivity fine focusing knob (minimum adjustment gradations: 1 $\mu$ m)
	Illuminator	Built-in Koehler illumination for transmitted light, light intensity manager switch High color reproducibility LED light source, 6V 30 W halogen bulb (pre-centered)
Revolving nosepiece		Interchangeable reversed quintuple/coded quintuple/sextuple/septuple/coded septuple nosepiece
Observation tube	Widefield (F.N. 22)	<ul style="list-style-type: none"> <li>Widefield tilting, telescopic and lifting binocular</li> <li>Widefield tilting trinocular</li> <li>Widefield erect image trinocular</li> <li>Widefield tilting binocular</li> <li>Widefield ergo binocular</li> <li>Widefield binocular</li> </ul>
	Super widefield (F.N. 26.5)	<ul style="list-style-type: none"> <li>Super widefield trinocular</li> <li>Super widefield erect image trinocular</li> </ul>
Stage		Ceramic-coated coaxial stage with left or right hand low drive control: with rotating mechanism and torque adjustment mechanism, optional rubber grips available (Non stick grooved coaxial, plain, rotatable stages are also available)
Condenser		<ul style="list-style-type: none"> <li>Abbe (N.A. 1.1), for 4x–100x</li> <li>Swing out Achromatic (N.A. 0.9), for 1.25x–100x (swing-out: 1.25x–4x)</li> <li>Achromatic Aplanatic (N.A. 1.4), for 10x–100x</li> <li>Phase contrast, darkfield (N.A. 1.1), [phase contrast: for 10x–100x, darkfield: for 10x–100x (up to N.A. 0.80)]</li> <li>Universal (N.A. 0.9), for 1.25x–100x [swing-out: 1.25x–4x, with oil top lens:(N.A. 1.4)]</li> <li>Low (N.A. 0.75), for 2x–100x (Dry)</li> <li>Ultra low (N.A. 0.16), for 1.25x–4x</li> <li>Darkfield dry (N.A. 0.8–0.92), for 10x–100x</li> <li>Darkfield oil (N.A. 1.20–1.40), for 10x–100x</li> </ul>

### BX46 specifications

Microscope frame	Optical system	UIS2 optical system
	Focus	Fixed low stage nosepiece focus 15 mm focus stroke with coarse adjustment limit stop Torque adjustment for coarse adjustment knobs High sensitivity fine focusing knob (adjustment gradations: 1 $\mu$ m)
	Illuminator	Built-in Koehler illumination for transmitted light, light intensity manager switch High color reproducibility LED light source
Revolving nosepiece		Fixed reversed coded quintuple nosepiece
Observation tube	Widefield (F.N. 22)	<ul style="list-style-type: none"> <li>Widefield tilting trinocular</li> <li>Widefield trinocular</li> <li>Widefield tilting binocular</li> <li>Widefield tilting, Telescopic, Lifting binocular</li> <li>Widefield ergo binocular</li> <li>Widefield binocular</li> </ul>
	Super widefield (F.N. 26.5)	
Stage		Ceramic-coated coaxial stage with left or right hand low drive control, rotating mechanism and torque adjustment mechanism (Low torque, Plain, Rotating stages are also available)
Condenser		Built-in condenser (N.A. 0.9) 1.25x–100x (swing out: 1.25x–2x)

### BX53 specifications

Microscope frame	Optical system	UIS2 optical system
	Focus	Vertical stage movement: 25 mm stage stroke with coarse adjustment limit stopper, Torque adjustment for coarse adjustment knobs, Stage mounting position variable, High sensitivity fine focusing knob (minimum adjustment gradations: 1 $\mu$ m)
	Illuminator	Built-in Koehler illumination for transmitted light, Light preset switch, Light intensity LED indicator, Built-in filters (LBD-IF, ND6, ND25, optional) 12V 100W halogen bulb (pre-centered)
Revolving nosepiece		Interchangeable reversed quintuple/coded quintuple/sextuple/septuple/coded septuple nosepiece
Observation tube	Widefield (F.N. 22)	<ul style="list-style-type: none"> <li>Widefield tilting trinocular</li> <li>Widefield trinocular</li> <li>Widefield tilting binocular</li> <li>Widefield tilting, Telescopic, Lifting binocular</li> <li>Widefield ergo binocular</li> <li>Widefield binocular</li> </ul>
	Super widefield (F.N. 26.5)	<ul style="list-style-type: none"> <li>Super widefield trinocular</li> <li>Super widefield erect image trinocular</li> </ul>
Stage		Ceramic-coated coaxial stage with left or right hand low drive control: with rotating mechanism and torque adjustment mechanism, optional rubber grips available (Non stick grooved coaxial, plain, rotatable stages are also available)
Condenser		<ul style="list-style-type: none"> <li>Abbe (N.A. 1.1), for 4x–100x</li> <li>Swing out Achromatic (N.A. 0.9), for 1.25x–100x (swing-out: 1.25x–4x)</li> <li>Achromatic Aplanatic (N.A. 1.4), for 10x–100x</li> <li>Phase contrast, darkfield (N.A. 1.1), [phase contrast: for 10x–100x, darkfield: for 10x–100x (up to N.A. 0.80)]</li> <li>Universal (N.A. 0.9), for 1.25x–100x [swing-out: 1.25x–4x, with oil top lens:(N.A. 1.4)]</li> <li>Low (N.A. 0.75), for 2x–100x (Dry)</li> <li>Ultra low (N.A. 0.16), for 1.25x–4x</li> <li>Darkfield dry (N.A. 0.8–0.92), for 10x–100x</li> <li>Darkfield oil (N.A. 1.20–1.40), for 10x–100x</li> </ul>
Fluorescence illuminator		<ul style="list-style-type: none"> <li>Multi-purpose coded type (F.N. 22, 8-position mirror unit turret, 4-position ND slider)</li> <li>Economical type (F.N. 26.5, 8-position mirror unit turret)</li> </ul>
Fluorescence light source		100W Hg apo lamp housing and transformer, 100W Hg lamp housing and transformer or 75W Xe lamp housing and transformer

The U-CBM is designed for the BX3 use in industrial environments for the EMC performance (IEC61326-1 Class A device). Using it in a residential environment may affect other equipment in the environment.

### BX43/BX46/BX53 common specifications

Operating environment	<ul style="list-style-type: none"> <li>Indoor use</li> <li>Ambient temperature : 5 ° to 40 °C (41 ° to 104 °F)</li> <li>Maximum relative humidity : 80 % for temperatures up to 31 °C (88 °F), decreasing linearly through 70 % at 34 °C (93 °F), 60 % at 37 °C (99 °F), to 50 % relative humidity at 40 °C (104 °F)</li> <li>Supply voltage fluctuations : Not to exceed ±10 % of the normal voltage</li> </ul>
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## Durable. Long Lasting. Designed for Demanding Healthcare Environments.

**5102 Physician's Stand-On Scale**

- Low-profile platform with wall-mounted digital readout

**6102 Flush-Mounted In-Floor Scale**

- For wheelchair, chair and stand-on weighing
- Level with floor to help reduce fall risk and improve ease of access
- Bright, easy-to-read display

**6154 Flush-Mounted In-Floor Scale**

- Designed to easily weigh patients on stretchers

## Find the Right Scale for You

	<b>5102 Physician's Stand-On Scale</b>	<b>6102 Flush-Mounted Floor Scale</b>	<b>6154 Flush-Mounted In-Floor Scale</b>
<b>Weighing Capacity</b>	660 lb / 300 kg	825 lb / 375 kg	825 lb / 375 kg
<b>Platform</b>	Anodized aluminum, 18" x 14"	Anodized aluminum, 32" x 36"	Anodized aluminum, 35" x 54"
<b>Optional Accessories</b>	Wall-mount height gauge and power adapter	Printer, thermal printer paper (box, 15 rolls), handrail, battery pack 7.2 V, wall-mount height gauge (stainless steel, IN/CM)	
<b>Readout</b>	Digital LED display in pounds and kilograms, or kilograms only. Wall mounted.	Digital LED display in pounds and kilograms, or kilograms only. Surface or flush mounted.	
<b>Power Source</b>	6 C-size disposable alkaline batteries. Power adapter available.	110 VAC with rechargeable battery backup	
<b>Rough-In Frame Kit</b>	N/A	Allows for a uniform, finished-looking installation	
<b>Printer (Accessory)</b>	N/A	Built-in, paper tape, uses standard thermal paper	
<b>Resolution</b>	0.1 lb / 100 gm		
<b>Automatic Zero</b>	Automatically returns to zero, ready for next patient		
<b>Weight Recall</b>	Recalls last weight		
<b>Reweigh</b>	Recomputes patient's weight while patient is on scale		
<b>Computer Capability</b>	RS-232 output (optional)		

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**WelchAllyn®**

MIDMARK®

# Midmark Way™ Platform Scale

***It's a Better Way to Weigh!***



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# User's Guide

Rev. AA1 5/21/18

# Pre-Installation

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**Note**

*Save all packaging until certain you are satisfied with the product.*

Thank you for purchasing The Midmark Way™ Scale!

Open packages carefully. Inspect the shipping cartons and contents for any visible damage. This is important in the event that any breakage has occurred during transit.

Below is a list of everything you should receive:

- The Midmark Way™ platform scale base
- 1 ribbed vinyl platform mat
- The Midmark Way™ display/readout box with mounting bracket
- 1 AC adapter power cord
- 1 stainless steel scale cover

Refer to the drawing on the next page to identify parts.

## Specifications

---

Platform Size: 44" x 22" x 2 5/8" tall

Maximum Capacity: 300 pounds

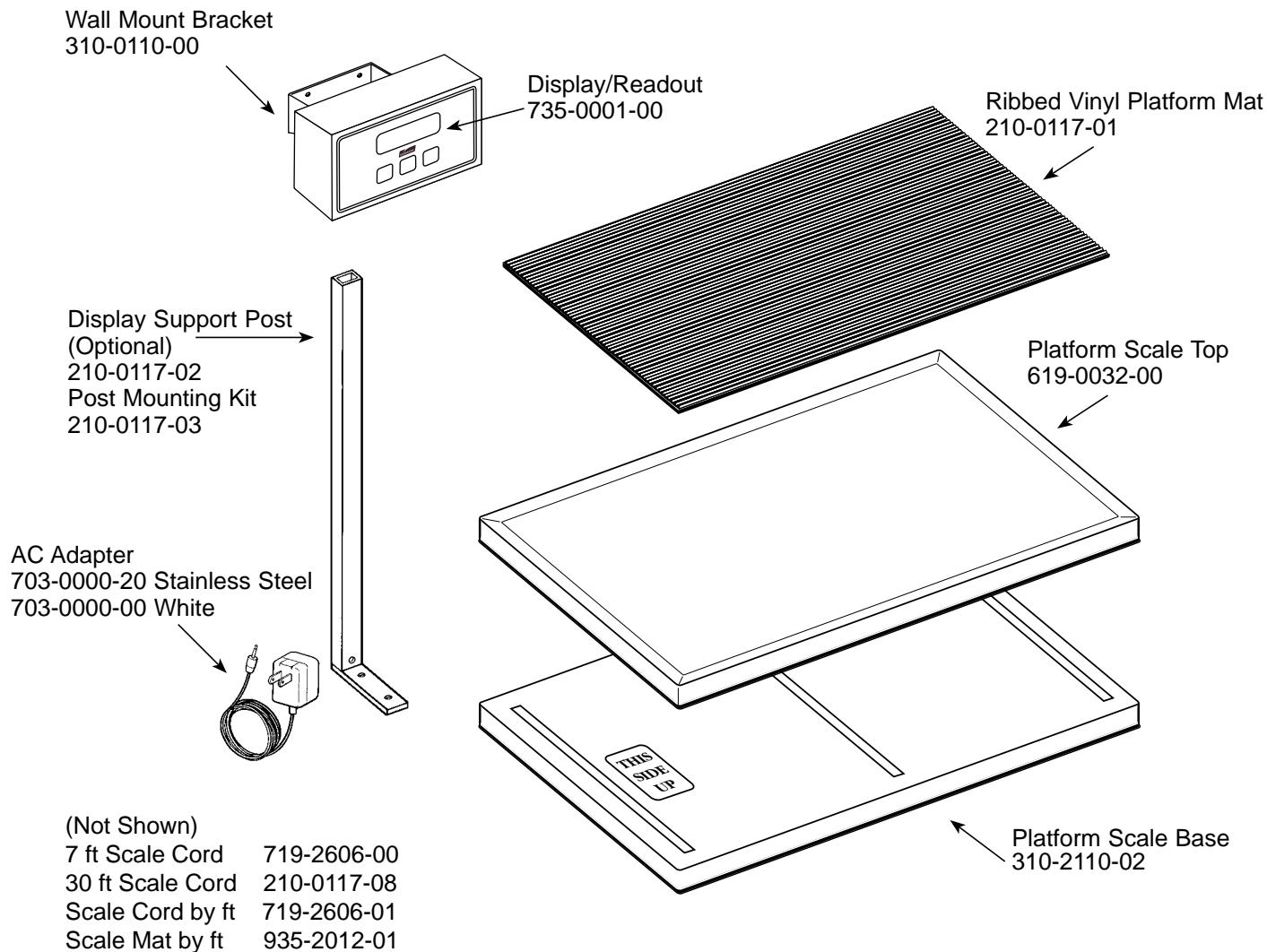
Accuracy: Within 0.2% at 300 pounds

Electrical: Operates on standard 110 VAC  
or one 9-volt DC battery

Shipping Weight: 45 pounds

Display Mount Post Height: 36"

# Parts Identification

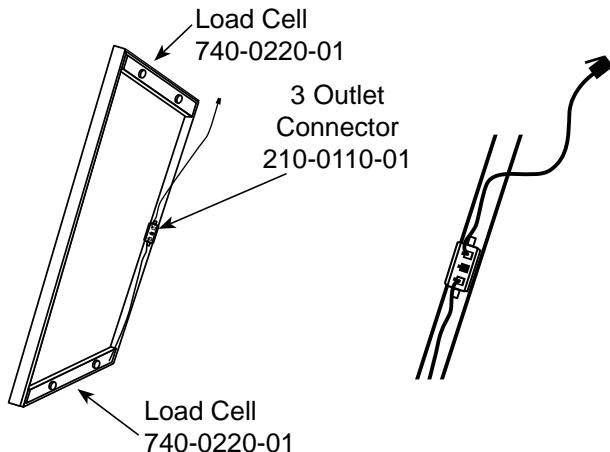


## Assembly & Installation

If assembling a scale purchased with the optional post mount for the display panel, go to "Post Mounted Displays", page 5, for Post Mount installation instructions.

1. Place the scale on a flat, level surface with no less than 1" clearance on each side. We **do not** recommend recessing the scale into the floor. Tip the scale on end and locate the phone jack, with phone cord coming out of the side.
2. The side of the scale with the display cord plug-in should be placed nearest to the wall. Be sure the scale is level

continued



# Assembly & Installation continued

after positioning. Screw-in feet on the bottom of the scale base may be adjusted as necessary.

3. Plug the end of the phone jack cord into the jack marked "Base" on the back side of the scale display.
4. If you are using AC power to operate the scale, you may now plug the power cord into the back of the display panel, and plug the AC adapter into a standard wall outlet.

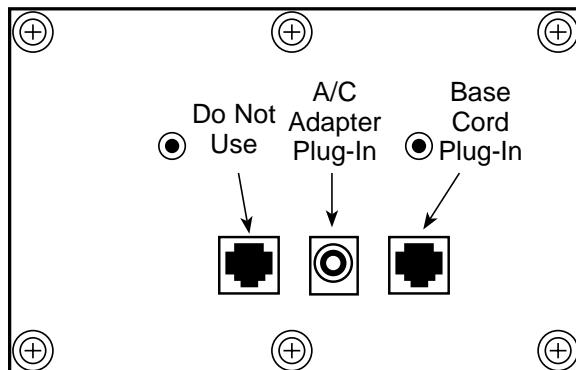
5. Mount the wall bracket securely to the wall (or counter) with appropriate hardware (not supplied). See suggestions for mounting hardware at right. Suggested height for the mounting bracket is 48" to 60" from the floor.

6. Press the "ON/ZERO" button.

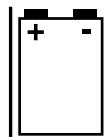
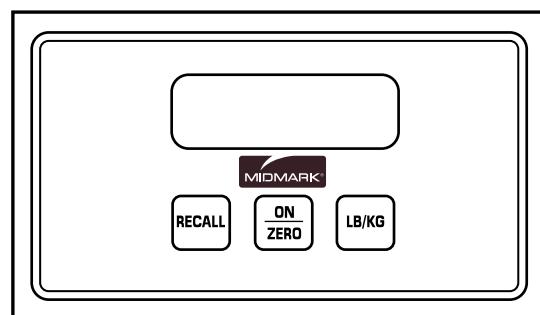
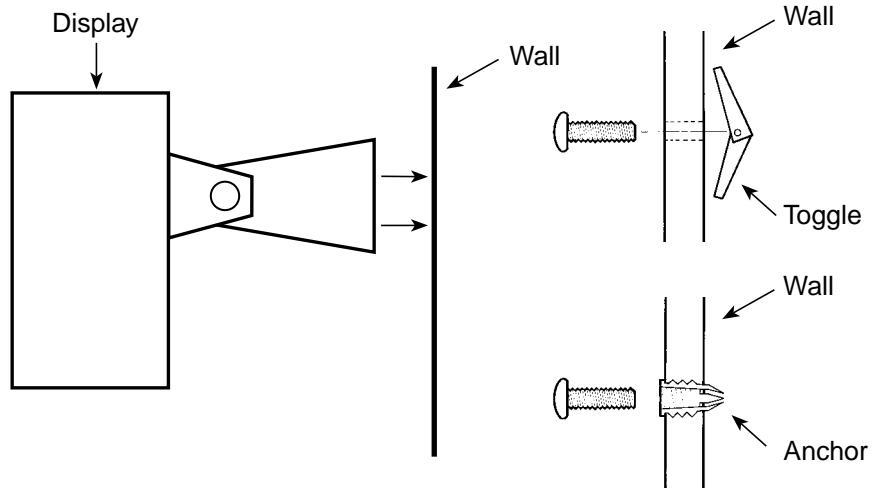
Operating The Midmark Way™ scale with battery power requires one 9-volt battery. The scale ships with a battery installed.

To replace the battery, refer to the drawing at right. To perform an AC/DC switch see page 6.

**Note:** Always keep the readout display matched to its proper base. If multiple scales have been purchased, match the serial number that is on the back of the display with the same serial number found on the bottom of scale base.



Back view of Display/Readout

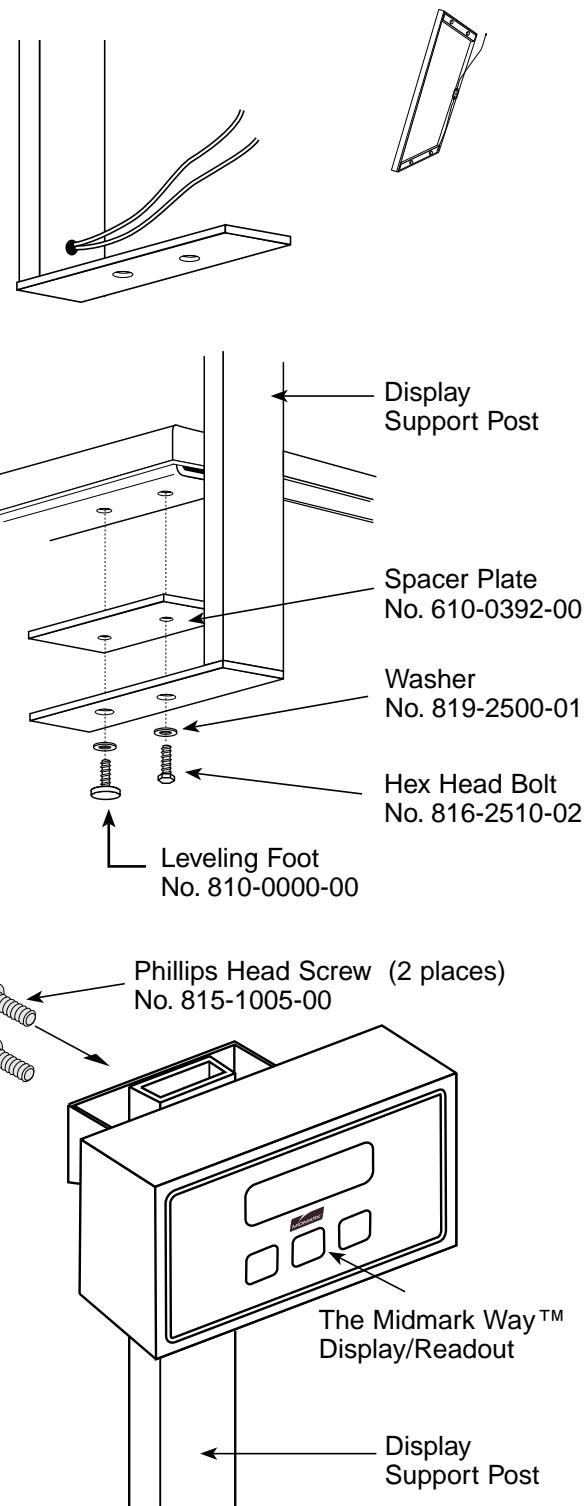


# Post Mounted Displays

1. The display cord and AC adapter cord should be threaded through the post mount column. Start at the bottom of the column and thread the cords up through the top.
2. Place the scale base in the desired location. Tip the scale up and locate the corner you wish to install the post mount on.
3. Next install the post mount as shown at right by first removing the leveling foot. Use the leveling foot and hex bolt provided to attach the post mount to the scale platform.  
Note: The scale will now be uneven. The remaining three feet must be adjusted to match the foot inserted in the post mount.
4. Fasten the scale display box to the top of the mount post with the two Phillips head screws. Plug the display connector cord and AC adapter cord coming from the top of the mount post into the back of the display. (See page 4)

**Note:** Always keep the display matched to its proper base. If multiple scales have been purchased, match the serial number on the back of the display with the same serial number found on the bottom of scale base.

6. If using AC power to operate the scale, plug the power cord into the back of the display panel, and plug the AC adapter into a standard wall outlet. If operating the scale with battery power see pages 4 and 6.
7. Press the "ON/ZERO" button.



# Scale Features/Operation

## Using The Control Panel:



Push to turn unit on. Display shows the following:  
~~~~ – self test  
Midmark – checks display segments  
u 1.7 – software revision  
b xx.x – battery voltage  
(varies with AC plug in and internal 9v battery.) A reading of 6.0v indicates the need for battery replacement; the unit will shut off at a reading of 5.5v.  
0.0 – ready to weigh



Push and hold for 4 seconds until display indicates unit shift. Display will show "conv" until the conversion is complete.



Push the RECALL button – The display will show the message "rECL" then alternately flash between the last stable weight and the "rECL" message. Press ON/ZERO button to return to normal weighing. Works only with hold function active.

## Features:

### Tare Function:

Any weight within the scale capacity can be zeroed out by pressing the ON/ZERO button. When the weight is removed, the display flashes the tared weight. Press ON/ZERO button to return to normal weighing.

### Weighing Function:

Display will blank out until a close range of the weight is reached. With the hold function active, the display will show the stable weight and the "hold" indication. The displayed weight will lock until the weight is removed.

### Weight Hold:

Press and hold the ON/ZERO button and the RECALL button. Display will show "zero" then "h on" or "h off". Release buttons when selection is made. Default setting is "h on".

### Automatic Shut Off:

In AC mode, the indicator will shut off in one hour. In battery mode, the indicator will shut off in one minute.

### Calibration:



- 1) Install fresh 9 volt battery in indicator.
- 2) Unplug indicator's AC adapter from back of indicator.
- 3) Press and hold ON/ZERO button and LG/KG button. The display will change from "zero" to "CAL0" in about 3 seconds.
- 4) With an empty platform press the ON/ZERO button. The indicator will count down from "16" to "1" and display "C50".
- 5) Place a 50 lb. weight on platform and press the ON/ZERO button. The indicator will countdown from "16" to "1". Display will show "50".
- 6) Remove the 50 lb. weight and press the ON/ZERO button. The scale is calibrated and automatically returned to normal weight mode.
- 7) Re-plug AC adapter into indicator.

### Switching from AC to DC:

Unplug the AC power cord from display. Press the ON/ZERO button to turn indicator on.

### Switching from DC to AC:

Plug AC adapter into a standard wall socket and the cord into the AC outlet on back of display. Press the ON/ZERO button to turn the indicator on.

# Troubleshooting

---

## Indicators:

Messages on the readout indicate operating condition:

|                                                                                   |                                                                         |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| OL                                                                                | Indicates weight on scale exceeds capacity.                             |
| OPEN                                                                              | Indicates malfunctioning of cable, or the scale needs to be calibrated. |
|  | Indicates battery is discharged.                                        |

## In The Event Of A Problem:

In the event that a problem occurs, Midmark Technical Support is ready to assist you. In order to save time, please check the following items before calling:

- Does the readout display have a message that indicates what the problem is? Refer to "Indicators" at left for descriptions.
- Check all cables/connections.
- Unplug AC power and battery, then plug-in again to reset the scale.

**Midmark Technical Support: 1-800-643-6275**

## Care & Cleaning

---

The Midmark Way™ scale platform may be cleaned with any commercially available product recommended for use on stainless steel. Frequent cleaning will prolong the life and help maintain the natural luster of the stainless steel.

To prevent scratching, use a soft cloth to clean the scale. If scrubbing is necessary, use a nylon or plastic type scrubber. When cleaning, always rub in the direction of the "grain" of the metal.

To remove minor scratches, we recommend using a 3M ScotchBrite® scouring pad rubbed lightly in the direction of the "grain" of the metal.

**Never use steel wool or steel brushes** when cleaning your platform scale. Steel particles may become embedded into the stainless steel and cause rust.

**Avoid use of chlorine bleach for cleaning.** Chlorides, bromides, iodides and thiocyanates will cause pitting, corrosion and discoloration of the metal. If using bleach, clean thoroughly with water to completely remove bleach residue.

**Avoid excessive moisture.** The Midmark Way™ platform scale contains electronic components that may be damaged by excessive exposure to moisture. When cleaning or mopping the floor, do not leave the scale in standing water. For thorough cleaning, the stainless steel platform cover may be lifted off the scale base and cleaned separately, away from electronic components.

# **Product Warranty**

---

This product is warrantied for 2 years from the date of delivery to the original purchaser only. The warranty is only applicable if customer complies with all instructions and specifications furnished by Midmark relating to installation, care, and application. The customer agrees not to modify, misapply, or misuse product in any manner which deviates from the Midmark instructions. Any repairs, alterations, or services provided by parties other than Midmark or its authorized representatives may void warranty. The buyer is responsible for all freight charges on returned items.

# **Product Satisfaction Policy**

---

In the event that the customer is not fully satisfied with the products purchased, Midmark may, at its own discretion, arrange for the customer's account to be credited (excluding shipping charges) or replace the product. The customer must notify Midmark of any claim of nonconformity or defect in writing within 30 days from the date of receipt. The product must be returned to Midmark in its original packaging, undamaged and showing no unusual wear within 20 days of the customer's written notice.

To return an item, follow these simple instructions:

- Call Midmark for complete instructions (800-643-6275)
- A sales representative will give you a Return Authorization Number
- If a Restocking Fee applies, you will be informed at this time
- Label the boxes with the Return Authorization Number  
(All items must have a Return Authorization Number)
- Return the items, postage/freight prepaid

If necessary, the Midmark sales representative will assist you with freight arrangements.

Note: Custom orders and/or custom colors may not be returned.

## **Midmark Corporation - Carthage Facilities**

1000 Civil War Road

Area 5

Carthage, MO 64836

**1-800-643-6275**

[www.midmark.com](http://www.midmark.com)



Go Pet Club / Grooming Dryers

## Dog Cat Pet Grooming Double-Motor Hair Dryer (DT-505)

~~\$198.00~~ \$169.00

Share:

SKU: DT-505

Quantity

1

Buy now

The Go Pet Club Pet Dryer is designed to give your pet professional style grooming at home! Powerful airflow dries quickly and thoroughly, saving you time. This dryer features 4 adjustable speeds, 2 adjustable temperature controls low volume technology. This unit has a puncture resistant, double reinforced flexible hose for controlled spots of drying on your pet.

- Dual-Motor, 4 speeds and 2 adjustable temperature controls
- Double motor pet dryer features four adjustable speeds from 20 to 80 meters per second and an adjustable temperature gauge modifiable from 25 to 80 for convenience
- Adjustable output power from 700 to 3600 watts and AC110 voltage for efficient use of power consumption
- Blue color scheme for modern look

◀ Blow Dryers      Previous

## Related products

[View all](#)

Dog Cat Pet Grooming Hair Dryer (DT-401)

~~\$89.00~~ \$109.00

3.2HP Step-less Adjustable Speed Pet Grooming Dryer (DT-688)

~~\$98.00~~ \$128.00[Back to the top ^](#)[Subscribe](#)[Search](#) [Contact Us](#) [Frequently Asked Questions](#) [Customer Service](#) [Return and Replacement Policy](#)

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## NO. 526 BATHING SYSTEM

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Questions? Send us an email or call Customer Service at 1-800-830-3678, Monday – Friday, 9am-5pm EST.

[Home](#) : [Hydrosurge](#) : The BathPro™ 5.1 System

## The BathPro™ 5.1 System

078499-051-000



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1 question and 0 answers for this product

[Write a review](#)[Ask a question](#)Availability: [To Learn More Call: 1-888-766-BATH](#)

The revolutionary BathPro™ 5.1 makes bathing faster and easier than ever before, while providing pets with an invigorating massage that keeps them calm and relaxed throughout the bath.

Like 0

Tweet



Exclusive InjectAir™ technology thoroughly penetrates the coat and brings oxygen to the skin, leaving the animal cleaner and healthier than ever.

Combing action spray penetrates the coat eliminating the need for hand scrubbing, reducing groomer strain, fatigue and skin irritation.

Bathe three animals in the time it would normally take to bathe just one using traditional methods.

## Reviews



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**Welch Allyn®**

NO. 521 OTOSCOPE



Welch Allyn  
MacroView™ Otoscope

A bigger, better, sharper view



## Welch Allyn MacroView Otoscope



Proprietary **“Tip Grip”** helps ensure ear speculum is secured and ejects used ear speculum for easy disposal

Default focus position; ideal for most ear examinations

Adjustable focus wheel helps you accommodate for variable ear canal lengths and farsighted eyes, zooming in or out to fine tune view

**Optional throat/nasal illuminator** adds one more tool to your practice; easy to adjust on 3.5 V handle

3.5V Lithium Ion rechargeable handle (shown) provides 2.4X more power compared to our Nickel Cadmium rechargeable handle

### ACCESSORIES



**52432-U**  
Kleenspec® Disposable  
Ear Specula



**52700**  
Slotted Specula  
Instrumentation Tip



**23804**  
Otoscope Insufflation  
Bulb and Tube



**24330**  
Sofseal Specula Tip

## Welch Allyn Digital MacroView™ Otoscope

Supports the diagnosis with better communication to enhance patient compliance

- Store digital images in patient records to support documentation and diagnosis
- Offers the ability to view clear, live and still images of small details such as tubes and hearing aids
- An excellent training aid to support clinical education



## Configurations

|                    |                                                                                                                                                                                                                               |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 77791-MX           | Welch Allyn Green Series™ 777 Integrated Wall Diagnostic System including MacroView Otoscope, Coaxial Ophthalmoscope, KleenSpec Disposable Specula Dispenser, Wall Aneroid Sphygmomanometer and SureTemp® Plus 690 Electronic |
| 77792-M            | Welch Allyn Green Series 777 Integrated Wall Diagnostic System including MacroView Otoscope, Coaxial Ophthalmoscope, KleenSpec Disposable Specula Dispenser and Wall Aneroid Sphygmomanometer                                 |
| 77792-MNOBP        | Welch Allyn Green Series 777 Integrated Wall Diagnostic System including MacroView Otoscope, Coaxial Ophthalmoscope and KleenSpec Disposable Specula Dispenser                                                                |
| 71641-MS           | Welch Allyn 3.5 V Halogen HPX™ Diagnostic Set including MacroView Otoscope, Coaxial Ophthalmoscope, two Lithium Ion Rechargeable Handles and Universal Desk Charger                                                           |
| 71641-M            | Welch Allyn 3.5 V Halogen HPX Diagnostic Set including MacroView Otoscope, Coaxial Ophthalmoscope, two Nickel Cadmium Rechargeable Handles and Universal Desk Charger                                                         |
| 23920              | Welch Allyn 3.5 V Halogen HPX Digital MacroView Fiber-Optic Otoscope; Mini-USB Cable (10.0 ft/3.0 m) and set of Reusable Ear Specula                                                                                          |
| <b>Accessories</b> |                                                                                                                                                                                                                               |
| 23804              | Insufflation Bulb                                                                                                                                                                                                             |
| 52700              | 4.00 mm KleenSpec Slotted Disposable Specula Instrumentation Tip                                                                                                                                                              |
| 52432-U            | 2.75 mm Universal KleenSpec Pediatric Disposable Ear Specula                                                                                                                                                                  |
| 52434-U            | 4.25 mm Universal KleenSpec Disposable Ear Specula                                                                                                                                                                            |
| 24320              | SofSeal Specula Tip for Disposable Ear Specula, small                                                                                                                                                                         |
| 24330              | SofSeal Specula Tip for Disposable Ear Specula, medium                                                                                                                                                                        |

For more information on the MacroView Otoscope, please contact your Welch Allyn sales representative or visit [www.welchallyn.com](http://www.welchallyn.com).

Welch Allyn, Inc.  
4341 State Street Road  
Skaneateles Falls, NY 13153 USA  
(p) 800.535.6663 (f) 315.685.3361



[www.welchallyn.com](http://www.welchallyn.com)

NO. 531.01 DENTAL PROPHYLAXIS, WALL MTD

## Digital Dental X-ray

Midmark Animal  
Health Products



 MIDMARK®

# Disease you can't see...

60% of periodontal disease lies below the gum line, and many issues aren't detectable via probing or visual inspection.\*

Don't let patients leave your clinic with undiagnosed disease. Only through the use of dental radiographs can you effectively diagnose dental disease that could result in tooth loss and many systemic diseases affecting the heart, liver and kidneys.



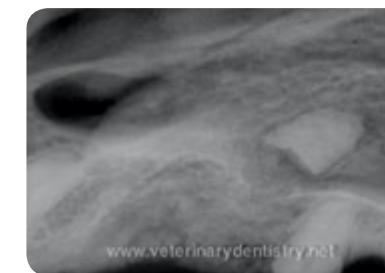
You can't afford not to invest in dental X-ray. VetPro® systems can pay for themselves in less than a year! Let us show you how.



Teeth appear normal and healthy.



X-ray shows underlying pathology.



Post-extraction images allow you to spot remaining tooth fragments.

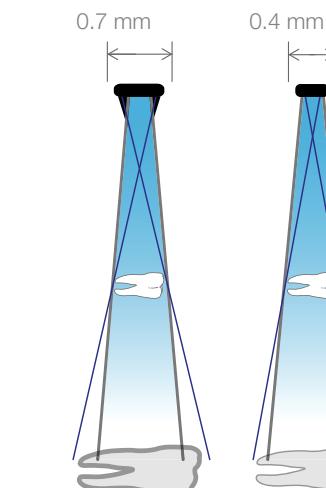
\* PetMD, Gum Disease in Dogs, [www.petmd.com/dog/conditions/mouth/c\\_multi\\_peridontal\\_disease](http://www.petmd.com/dog/conditions/mouth/c_multi_peridontal_disease)

## VetPro® DC

### Designed to enhance your clinic's efficiency

The VetPro® DC uses simple icons and a large, easy-to-read display for ease of use. You can select the mA, kV and time settings of your choice or choose the convenient pre-programmed technique settings. The positioning arm is constructed with high-tolerance, frictionless joints and a heavy duty dual braking system designed for precise and stable placement. The unique tube head handle is designed to let you effortlessly put the X-ray source where you want it, with just one hand.

- Intuitive, with easy-to-use, veterinary-specific software and control panel
- DC technology allows you to adjust kV (60, 65 and 70) and mA (4, 5, 6 and 7)
- A flexible system with settings you can customize to suit your practice
- 0.4 mm focal spot (smallest in the industry) is designed to produce visibly higher resolution images
- Optional sensor holder on arm available
- 56", 66", 76" or 82" arm lengths and versatile mobile system
- No-hassle installation - simply connect the USB cable to your PC, use the quick calibration flash drive to prepare your sensor, and the system is ready
- Superior construction – made in the U.S.A.
- Before, during and after sale support



The VetPro® DC 0.4 mm focal spot is designed to produce visibly higher resolution images whether you're using film or digital sensors. Details are sharper and more defined. Small but important differences are easier to spot. Pathologies are easier to identify.



# Midmark – the digital dental X-ray experts

## VetPro® DR Digital Dental Radiography Sensor

The VetPro® DR sensor is designed to allow you to get the soft-tissue visualization plus crown and root definition that you need to ensure you are providing your patients with superior dental care.

- Cable is Kevlar® reinforced, designed for improved durability
- Waterproof, hermetic seal is designed to reduce problems encountered during routine cleaning
- CMOS technology designed to deliver enhanced image quality
- High-speed USB connection designed to capture images 37% faster
- Rounded corners means easier positioning in tight spaces for better capture of roots
- Ask us about our Sensor Safe® Extended Care and Factory Warranty Extension programs



Midmark Animal Health is known in the industry for our market-leading digital X-ray machine, trusted digital imaging systems, intuitive software and an unmatched, nationwide support and service network.

## VetPro® CR Digital Dental Radiography Reader

### Do you prefer to use phosphor plates?

The VetPro® CR is designed to be an easy to use and affordable dental imaging solution from the name you trust. Who says high-quality dental imaging needs to be complicated or expensive?

The VetPro® CR Dental Radiography Reader was designed to provide the following features and resulting benefits for your clinic:

- Rapid, high-quality readings
- Low maintenance with no brushes. Helps reduce image artifacts from hair, etc.
- Size 4c plate available – large enough to capture larger teeth but small enough for easier positioning
- Affordable and compact veterinary dental solution
- Progeny® Imaging Software included at no additional cost after purchase
- Easy-to-use LCD touchscreen interface
- Utilize existing X-ray equipment and imaging techniques
- Standard and high resolution options
- Easy-to-position, reusable imaging plates
- Built-in erase function
- Streamlined unit for ease of cleaning
- Software optimizes acquisition, processing and management
- USB connection
- Eliminate darkroom and chemicals
- Auto calibration ensures stability and consistency
- Aids in marketing your practice's use of digital technology
- Size 2 and 4c imaging plates are included with the unit – sizes 0, 1, 2, 3 and 4c available for purchase



### Phosphor plates are designed to have the following benefits:

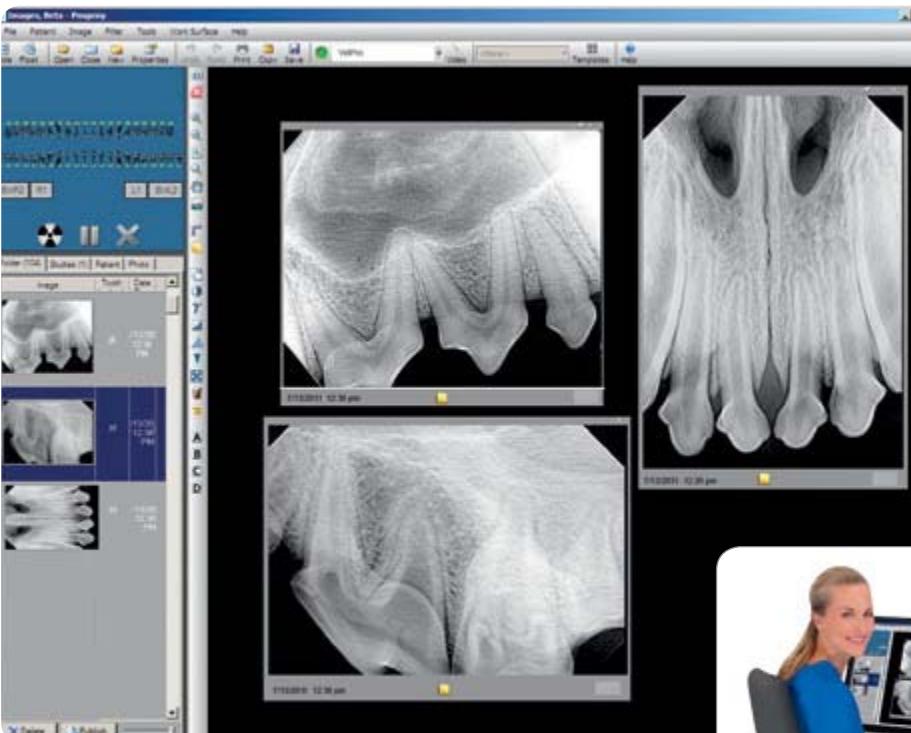
- Thin, flexible imaging plates with no cables
- Imaging plates offer 100 percent active area
- Familiar workflow and accessories comparable to film, allowing for seamless integration into the practice
- No need for cleaning after each use
- Use multiple plates during one procedure
- Plates are inexpensive to replace

Our imaging software has been designed with a look and formatting that's familiar and easy to learn so you'll be acquiring, enhancing and storing images in no time.

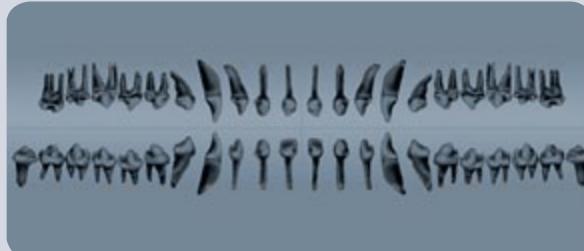


## VetPro® Complete Digital Dental Radiography Systems

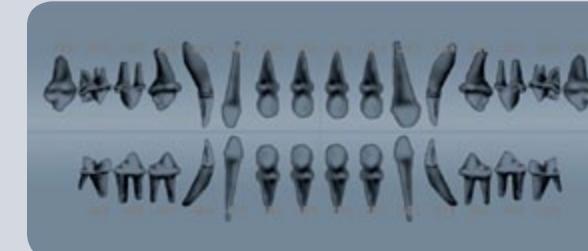
Whether your clinic is equipped with film, fully digital or a combination of both, we feel you should have the freedom to choose what you are most comfortable using without sacrificing the quality, service and support that you've come to expect from the Midmark brand. That's why we provide you with multiple imaging options and the training and support you need to get the best use of your equipment.



Integrated with AVImark® Veterinary Practice Management Software



Canine Tooth Panel



Feline Tooth Panel



VetPro® Complete CR



VetPro® Complete DR

## VetPro® Complete Mobile Imaging Station

A digital imaging solution that includes a VetPro® Complete Mobile unit with #2 sensor, laptop pre-loaded with imaging software and laptop tray.



## VetPro® DC Specifications

Line Voltage: 120-230 VAC  
+/- 10% 50-60 Hz

Line Load: Maximum current amps

Tube Potential: 60, 65 or 70 kV

Tube Current: 4, 5, 6 or 7 mA

Exposure Time: 20 ms to 2 seconds

Cone Length: 20 cm (8 inches)

Minimum Inherent Filtration: 2 mm Al equivalent at 70 kV

Focal Spot: 0.4 mm (IEC 336)

Duty Factor: 1:15

Remote exposure hand switch included

Shipping Weight: 95 lb (wall mount)  
330 lb (mobile)

Applicable Documents Federal  
Regulations: 21 CFR, UL, CE

Warranty: 2 years, limited

Options: choice of 56", 66", 76" or 82" (total reach); double stud mounting plate

## VetPro® CR Specifications

Selectable Pixel Size: High  
35µm · Standard 64µm

Sampling Pixel Pitch (35µm):  
14.3 lp/mm

Readout Time: 4.1 ~ 7.2 sec

Resolution: Data Capture  
16-bits per pixel, 65,000 graytones

Eraser: Embedded

Dimensions 10.4" (H) x 4.7" (W) x 12.5" (D)/265 (H) x 120 (W) x 318 (D) mm

Weight: 10.4 lb (4.7 kg)

System Configuration: Tabletop

Interface: USB 2.0 high speed (480 Mbps)

Power Requirements: 100 ~ 240V/50 ~ 60Hz, 30W · UPS required

Warranty: 1 year

## VetPro® DR Sensors Specifications

Dimensions:  
Size 1 (film size equivalent)  
37 mm x 24 mm x 6 mm

Size 2 (film size equivalent)  
43 mm x 30 mm x 6 mm

Active Area:  
Size 1 (film size equivalent)  
30 mm x 20 mm

Size 2 (film size equivalent)  
36 mm x 26 mm

Number of Pixels:  
Size 1 (film size equivalent)  
1580 lines x 1050 pixels

Size 2 (film size equivalent)  
1896 lines x 1368 pixels

Pixel Size: 19 µm x 19 µm

Theoretical Resolution:  
26 lp/mm

Levels of Grey: 4096

Connection Type:  
High-speed USB 2.0

Sensor Cable Length: 3 meters

Warranty: 2 years

## Progeny® Vet Imaging Software

Computer Workstation Requirements:  
Operating System: Windows® 8 Pro or Enterprise Edition (32 & 64 bit), Windows® 7 Ultimate or Professional (32 & 64 bit)

Processor: Intel® (or x86 compatible) Single Core™ 2 GHz or better (or Dual Core™ at 1.7 GHz recommended),

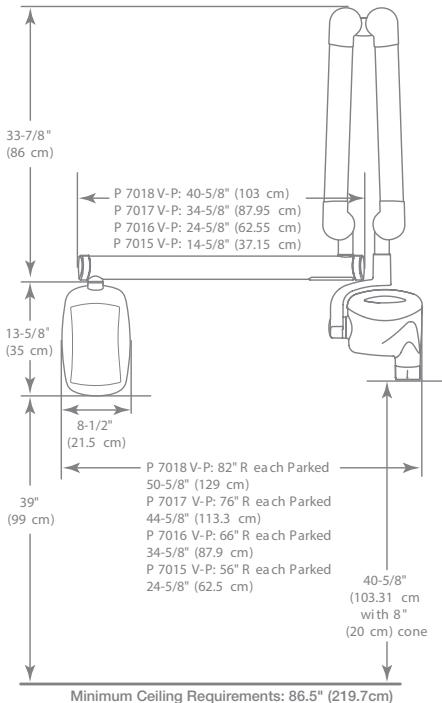
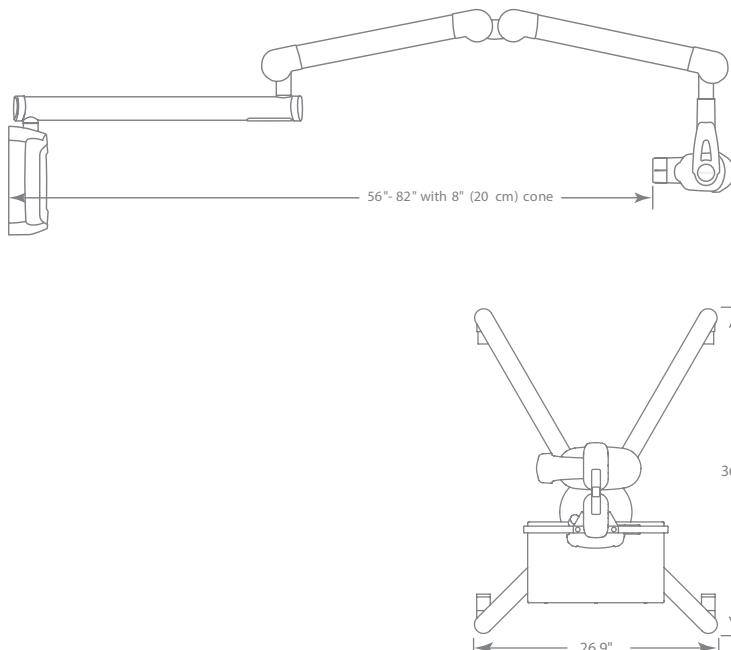
Memory: 2 GB RAM (minimum), 3 GB RAM (recommended),

Storage: 80 GB Hard Drive (minimum)

Video: 32 bit, 1024 x 768 resolution capable (minimum)

Display: 1024 x 768, 32 true bit color (recommended)

Ports: Two High-Speed USB 2.0



### Authorized Representative:

CEpartner4U  
Esdoornlaan 13  
3951DB Maarn  
The Netherlands  
www.cepartner4u.eu

**Better Patient Care. Better Business.™**

midmarkanimalhealth.com

X-ray, Radiography Sensors, Mobile Station - Manufactured by Midmark Corporation, Lincolnshire, IL.  
Radiography Reader, Plates - Manufactured by 3D Imaging and Simulations Corp, Yuseong-gu, Daejeon, Korea, for distribution by Midmark Corporation, Versailles, OH.

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Midmark is an ISO 13485 Certified Company.



NO. 531.01 DENTAL PROPHYLAXIS, SENSOR, WALL MTD

## Digital Dental X-ray

Midmark Animal  
Health Products



# Disease you can't see...

60% of periodontal disease lies below the gum line, and many issues aren't detectable via probing or visual inspection.\*

Don't let patients leave your clinic with undiagnosed disease. Only through the use of dental radiographs can you effectively diagnose dental disease that could result in tooth loss and many systemic diseases affecting the heart, liver and kidneys.



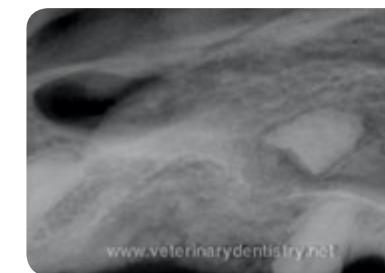
You can't afford not to invest in dental X-ray. VetPro® systems can pay for themselves in less than a year! Let us show you how.



Teeth appear normal and healthy.



X-ray shows underlying pathology.



Post-extraction images allow you to spot remaining tooth fragments.

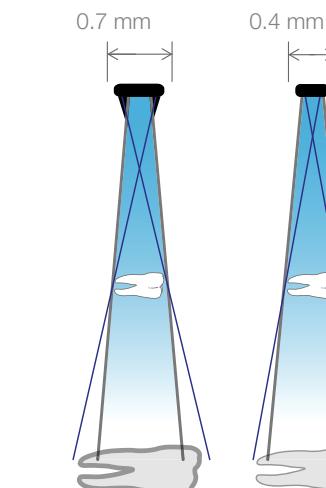
\* PetMD, Gum Disease in Dogs, [www.petmd.com/dog/conditions/mouth/c\\_multi\\_peridontal\\_disease](http://www.petmd.com/dog/conditions/mouth/c_multi_peridontal_disease)

## VetPro® DC

### Designed to enhance your clinic's efficiency

The VetPro® DC uses simple icons and a large, easy-to-read display for ease of use. You can select the mA, kV and time settings of your choice or choose the convenient pre-programmed technique settings. The positioning arm is constructed with high-tolerance, frictionless joints and a heavy duty dual braking system designed for precise and stable placement. The unique tube head handle is designed to let you effortlessly put the X-ray source where you want it, with just one hand.

- Intuitive, with easy-to-use, veterinary-specific software and control panel
- DC technology allows you to adjust kV (60, 65 and 70) and mA (4, 5, 6 and 7)
- A flexible system with settings you can customize to suit your practice
- 0.4 mm focal spot (smallest in the industry) is designed to produce visibly higher resolution images
- Optional sensor holder on arm available
- 56", 66", 76" or 82" arm lengths and versatile mobile system
- No-hassle installation - simply connect the USB cable to your PC, use the quick calibration flash drive to prepare your sensor, and the system is ready
- Superior construction – made in the U.S.A.
- Before, during and after sale support



The VetPro® DC 0.4 mm focal spot is designed to produce visibly higher resolution images whether you're using film or digital sensors. Details are sharper and more defined. Small but important differences are easier to spot. Pathologies are easier to identify.

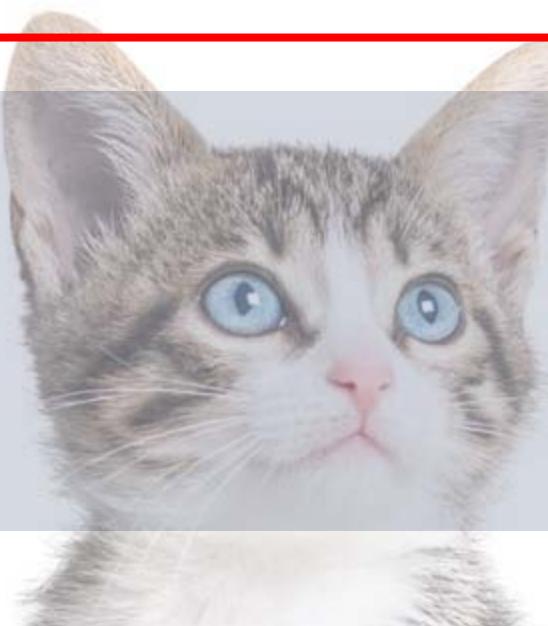


# Midmark – the digital dental X-ray experts

## VetPro® DR Digital Dental Radiography Sensor

The VetPro® DR sensor is designed to allow you to get the soft-tissue visualization plus crown and root definition that you need to ensure you are providing your patients with superior dental care.

- Cable is Kevlar® reinforced, designed for improved durability
- Waterproof, hermetic seal is designed to reduce problems encountered during routine cleaning
- CMOS technology designed to deliver enhanced image quality
- High-speed USB connection designed to capture images 37% faster
- Rounded corners means easier positioning in tight spaces for better capture of roots
- Ask us about our Sensor Safe® Extended Care and Factory Warranty Extension programs



Midmark Animal Health is known in the industry for our market-leading digital X-ray machine, trusted digital imaging systems, intuitive software and an unmatched, nationwide support and service network.

## VetPro® CR Digital Dental Radiography Reader

### Do you prefer to use phosphor plates?

The VetPro® CR is designed to be an easy to use and affordable dental imaging solution from the name you trust. Who says high-quality dental imaging needs to be complicated or expensive?

The VetPro® CR Dental Radiography Reader was designed to provide the following features and resulting benefits for your clinic:

- Rapid, high-quality readings
- Low maintenance with no brushes. Helps reduce image artifacts from hair, etc.
- Size 4c plate available – large enough to capture larger teeth but small enough for easier positioning
- Affordable and compact veterinary dental solution
- Progeny® Imaging Software included at no additional cost after purchase
- Easy-to-use LCD touchscreen interface
- Utilize existing X-ray equipment and imaging techniques
- Standard and high resolution options
- Easy-to-position, reusable imaging plates
- Built-in erase function
- Streamlined unit for ease of cleaning
- Software optimizes acquisition, processing and management
- USB connection
- Eliminate darkroom and chemicals
- Auto calibration ensures stability and consistency
- Aids in marketing your practice's use of digital technology
- Size 2 and 4c imaging plates are included with the unit – sizes 0, 1, 2, 3 and 4c available for purchase



### Phosphor plates are designed to have the following benefits:

- Thin, flexible imaging plates with no cables
- Imaging plates offer 100 percent active area
- Familiar workflow and accessories comparable to film, allowing for seamless integration into the practice
- No need for cleaning after each use
- Use multiple plates during one procedure
- Plates are inexpensive to replace

Our imaging software has been designed with a look and formatting that's familiar and easy to learn so you'll be acquiring, enhancing and storing images in no time.

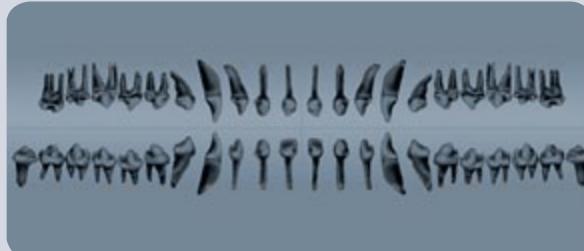


## VetPro® Complete Digital Dental Radiography Systems

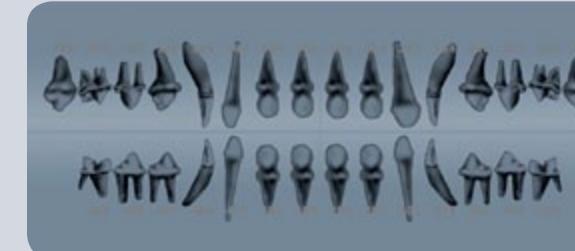
Whether your clinic is equipped with film, fully digital or a combination of both, we feel you should have the freedom to choose what you are most comfortable using without sacrificing the quality, service and support that you've come to expect from the Midmark brand. That's why we provide you with multiple imaging options and the training and support you need to get the best use of your equipment.



Integrated with AVImark® Veterinary Practice Management Software



Canine Tooth Panel



Feline Tooth Panel



VetPro® Complete CR



VetPro® Complete DR

## VetPro® Complete Mobile Imaging Station

A digital imaging solution that includes a VetPro® Complete Mobile unit with #2 sensor, laptop pre-loaded with imaging software and laptop tray.



## VetPro® DC Specifications

Line Voltage: 120-230 VAC  
+/- 10% 50-60 Hz

Line Load: Maximum current amps

Tube Potential: 60, 65 or 70 kV

Tube Current: 4, 5, 6 or 7 mA

Exposure Time: 20 ms to 2 seconds

Cone Length: 20 cm (8 inches)

Minimum Inherent Filtration: 2 mm Al equivalent at 70 kV

Focal Spot: 0.4 mm (IEC 336)

Duty Factor: 1:15

Remote exposure hand switch included

Shipping Weight: 95 lb (wall mount)  
330 lb (mobile)

Applicable Documents Federal  
Regulations: 21 CFR, UL, CE

Warranty: 2 years, limited

Options: choice of 56", 66", 76" or 82" (total reach); double stud mounting plate

## VetPro® CR Specifications

Selectable Pixel Size: High  
35µm · Standard 64µm

Sampling Pixel Pitch (35µm):  
14.3 lp/mm

Readout Time: 4.1 ~ 7.2 sec

Resolution: Data Capture  
16-bits per pixel, 65,000 graytones

Eraser: Embedded

Dimensions 10.4" (H) x 4.7" (W) x 12.5" (D)/265 (H) x 120 (W) x 318 (D) mm

Weight: 10.4 lb (4.7 kg)

System Configuration: Tabletop

Interface: USB 2.0 high speed (480 Mbps)

Power Requirements: 100 ~ 240V/50 ~ 60Hz, 30W · UPS required

Warranty: 1 year

## VetPro® DR Sensors Specifications

Dimensions:  
Size 1 (film size equivalent)  
37 mm x 24 mm x 6 mm

Size 2 (film size equivalent)  
43 mm x 30 mm x 6 mm

Active Area:  
Size 1 (film size equivalent)  
30 mm x 20 mm

Size 2 (film size equivalent)  
36 mm x 26 mm

Number of Pixels:  
Size 1 (film size equivalent)  
1580 lines x 1050 pixels

Size 2 (film size equivalent)  
1896 lines x 1368 pixels

Pixel Size: 19 µm x 19 µm

Theoretical Resolution:  
26 lp/mm

Levels of Grey: 4096

Connection Type:  
High-speed USB 2.0

Sensor Cable Length: 3 meters

Warranty: 2 years

## Progeny® Vet Imaging Software

Computer Workstation Requirements:  
Operating System: Windows® 8 Pro or Enterprise Edition (32 & 64 bit), Windows® 7 Ultimate or Professional (32 & 64 bit)

Processor: Intel® (or x86 compatible) Single Core™ 2 GHz or better (or Dual Core™ at 1.7 GHz recommended),

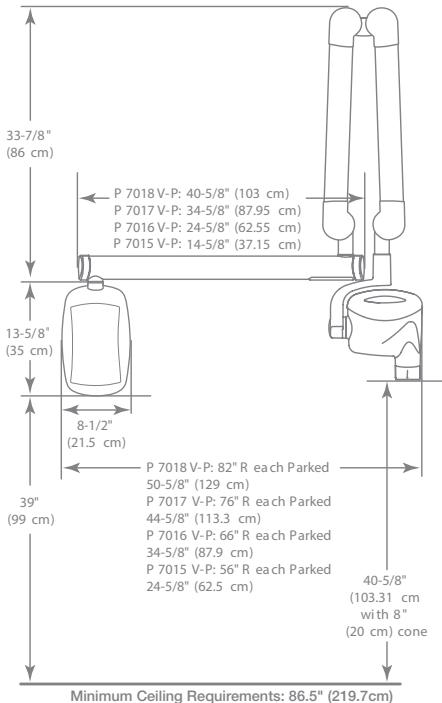
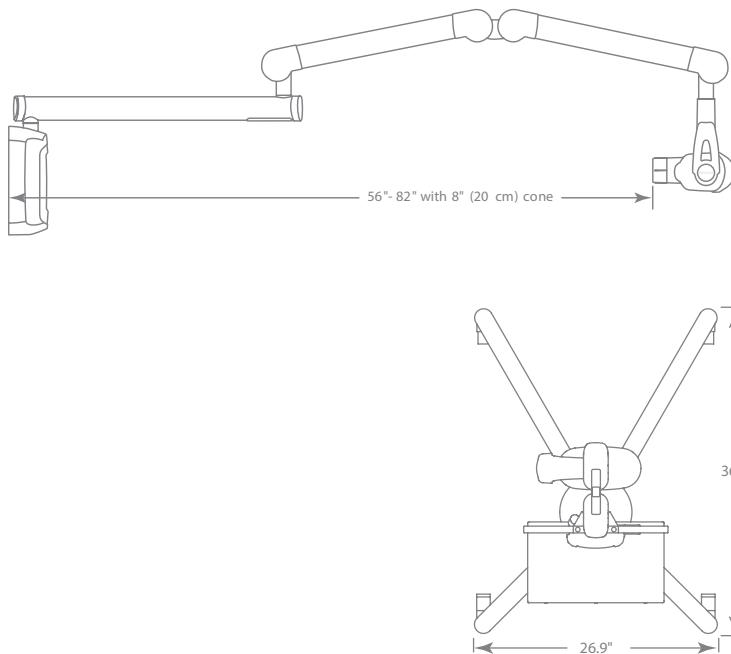
Memory: 2 GB RAM (minimum), 3 GB RAM (recommended),

Storage: 80 GB Hard Drive (minimum)

Video: 32 bit, 1024 x 768 resolution capable (minimum)

Display: 1024 x 768, 32 true bit color (recommended)

Ports: Two High-Speed USB 2.0



### Authorized Representative:

CEpartner4U  
Esdoornlaan 13  
3951DB Maarn  
The Netherlands  
www.cepartner4u.eu

**Better Patient Care. Better Business.™**

midmarkanimalhealth.com

X-ray, Radiography Sensors, Mobile Station - Manufactured by Midmark Corporation, Lincolnshire, IL.  
Radiography Reader, Plates - Manufactured by 3D Imaging and Simulations Corp, Yuseong-gu, Daejeon, Korea, for distribution by Midmark Corporation, Versailles, OH.

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Midmark is an ISO 13485 Certified Company.





NO. 531 DENTAL ARM, PROPHYLAXIS, CABINET MOUNT

# VetPro® 5000

## Wall / Cabinet & Table Mount

### Dental Delivery System

For Models:

8001-001  
8001-002  
8001-003  
8001-005  
8001-006  
8001-007



# User's Guide

003-1902-00 Rev L (11/10/15)

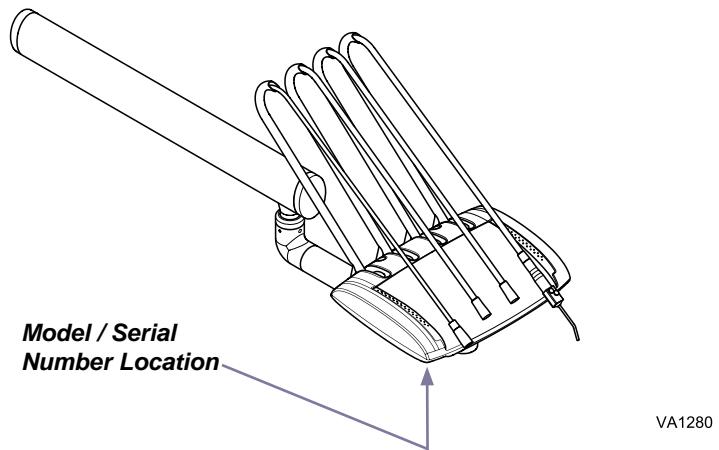
# Product Information

**Dealer :**

**Date of Purchase:**

**Model / Serial Number:**

**Midmark Authorized Service Company:**



## Calling for Service

**Note**

Model / Serial number information is required when calling for service.

If service is required, contact your Midmark dealer.

To contact Midmark directly:

1-800-Midmark (1-800-643-6275) or 937-526-3662  
8:00 am until 5:00 p.m., Monday through Friday (EST)  
[excluding standard U.S. holidays]

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# Important Information

## Safety Symbols



### DANGER

Indicates an **imminently hazardous situation which will result in serious or fatal injury.**  
This symbol is used only the most extreme conditions.



### WARNING

Indicates a **potentially hazardous situation which could result in serious injury.**



### Caution

Indicates a **potentially hazardous situation which may result in minor or moderate injury.**  
It may also be used to alert against unsafe practices



### Equipment Alert

Indicates a **potentially hazardous situation which could result in equipment damage.**



Proper Shipping  
Orientation



Consult User Guide



Maximum stacking  
height  
(Do not stack)



Do Not Tumble



Fragile



Handle With Care



Keep Dry

## Transportation / Storage Conditions

Ambient Temperature Range:.....50°F to 104°F (+10°C to +40°C)  
Relative Humidity.....10% to 90% (non-condensing)  
Atmospheric Pressure .....700hPa (20 in.Hg) to 1060hPa (31 in.Hg)

## ***Intended Use***

To provide veterinarians and/or technicians with air & water to operate handpieces, scaler, syringes, and Midmark authorized accessories during veterinary dental procedures.

## ***Electromagnetic Interference***

This product is designed and built to minimize electromagnetic interference with other devices. However, if interference is noticed between another device and this product:

- Remove interfering device from room
- Increase separation between product and interfering device
- Contact Midmark if interference persists

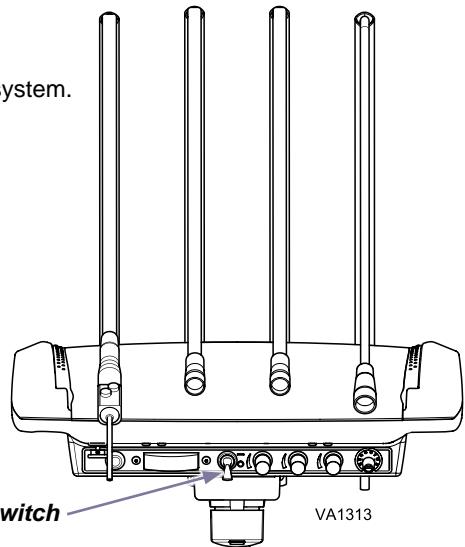
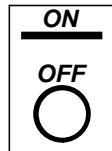
## ***Disposal of Equipment***

At the end of product life, the dental unit, accessories, and other consumable goods may become contaminated from normal use. Consult local codes and ordinances for proper disposal of equipment, accessories and other consumable goods.

# Operation

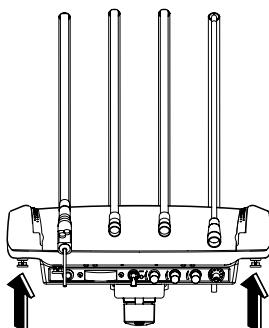
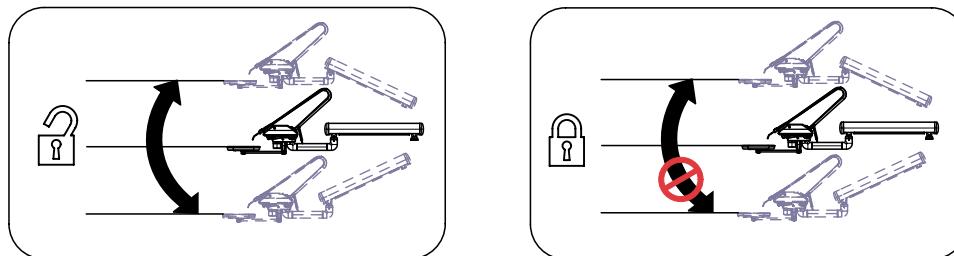
## Master ON / OFF Switch

The master on / off switch must be ON to operate the delivery system.



## Flex Arm

To avoid injury to the patient or staff, the flex arm can be locked to prevent accidental movement.  
(The flex arm will still move upward when locked.)



### To Unlock / Lock Flex arm...

- A) Turn power on. Allow system to pressurize.
- B) Push up release button to disengage lock and lower to desired height. It may be necessary to move head upwards slightly before lowering.

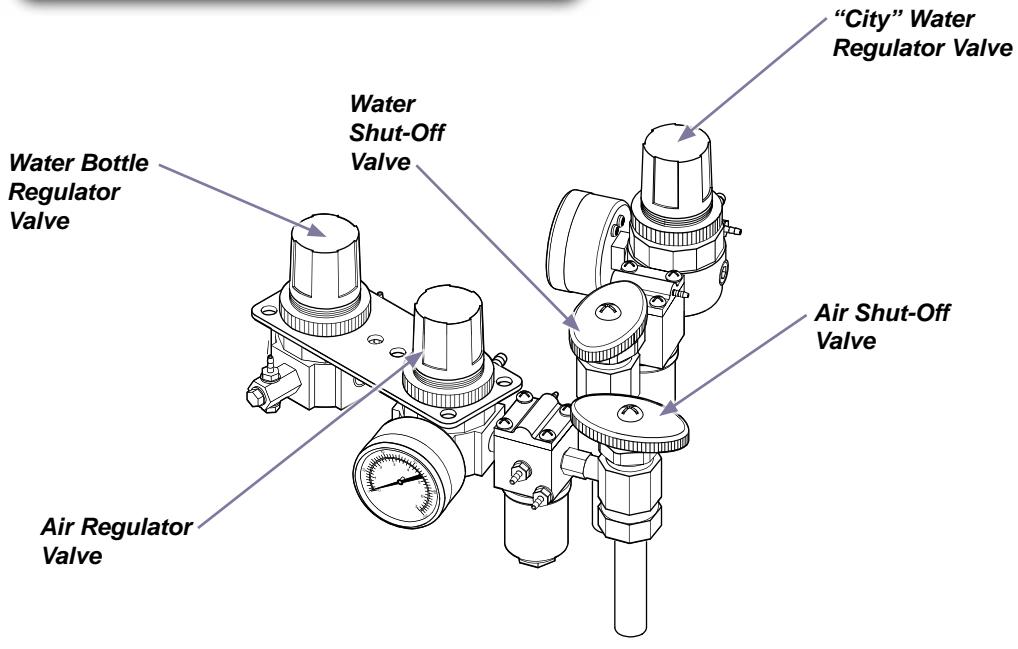
*Note: Flex arm lock buttons will not work unless the system is pressurized.*

# Operation

## Manual Shut-Off Valves - (Only for Units with Junction Box)

The manual shut-off valves allow you to stop the air and/or water supply at the point of input to the dental unit. This can be done during extended periods of no-use (ex. vacation, holidays, etc.), or in the event of a malfunction.

**To shut off water to Dental Unit...**  
Rotate water shut-off valve knob clockwise.



VA1312

**To shut off air to  
Dental Unit...**  
Rotate air shut-off valve  
knob clockwise.

# Operation

## Pressure Regulator Valves - (Only for Units with Junction Box)

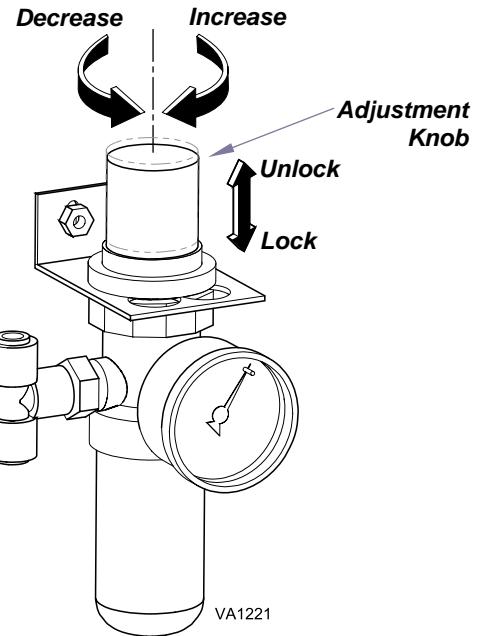
The pressure regulator valves allow you to adjust the air and water pressure that is supplied to the dental unit.

### Recommended Settings

"City" Water Regulator Valve.....30 PSI

Air Regulator Valve.....80 PSI

Water Bottle Regulator Valve.....30 PSI (*Do not adjust!*)



### To adjust regulator...

- A) Pull knob up to unlock.
- B) Rotate knob until desired pressure is displayed on gauge.
- C) Push knob down to lock.



### Equipment Alert

The dental unit has been designed to operate at the recommend settings. Setting the pressure higher / lower than recommended may result in damage to the equipment or diminished performance.

# Operation

## Water Toggle Switch

The water toggle switch allows you to choose the water source for the delivery system. You may use either "City" water (tap water), or water from the self-contained water system bottle. Location of the switch is shown below.

Wall / Cabinet Mount

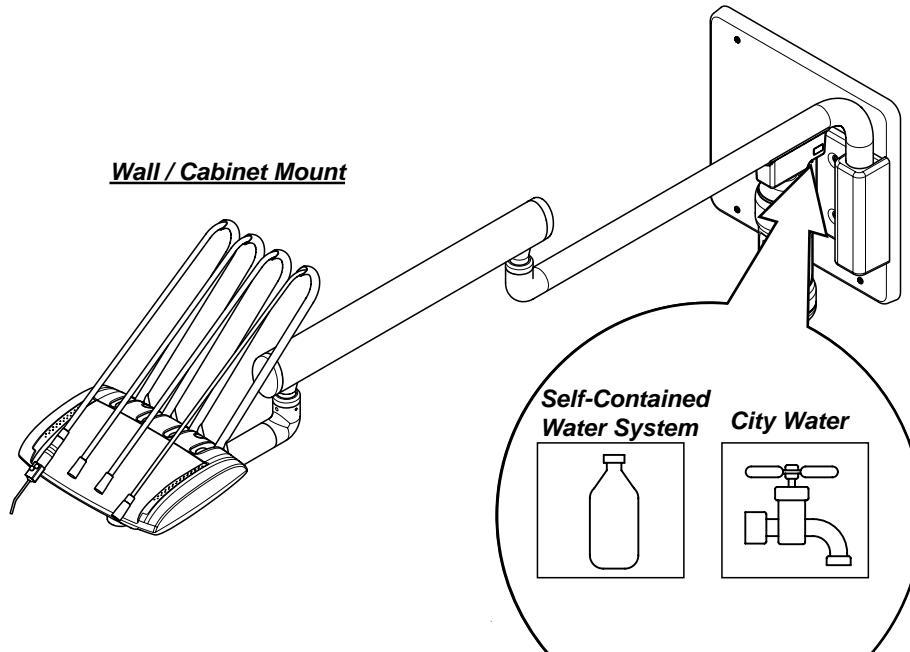
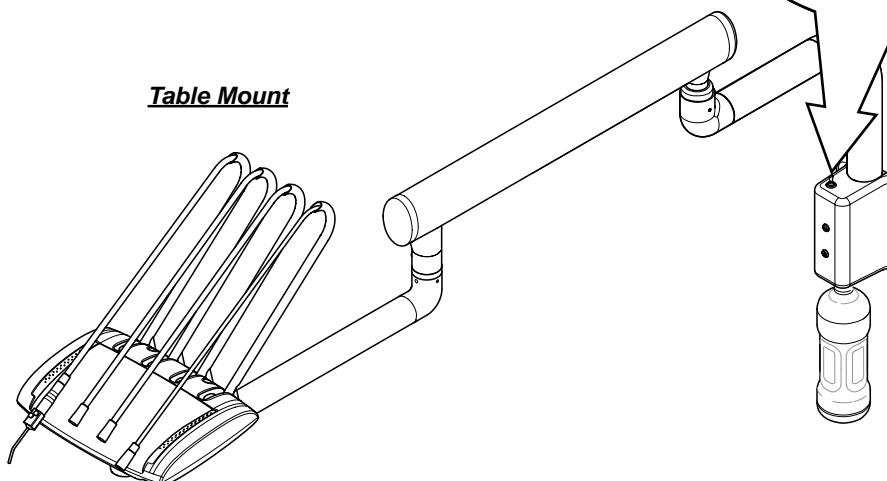


Table Mount



VA1315

# Operation

## Self-Contained Water - System

The self-contained water system allows you to control the quality of water used in your delivery system. It also provides a means for disinfecting the system's internal tubing.

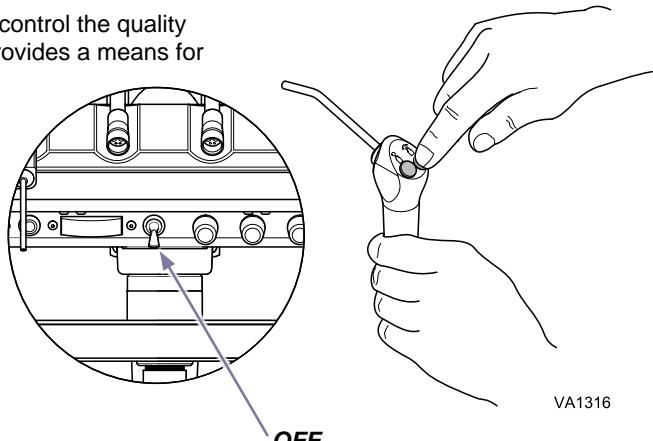


### Caution

Residual air pressure may cause the water bottle to fall and/or bottle contents to spill or spray if not released.

#### Before you begin...

- A) Turn master switch OFF.
- B) Press syringe air button until all residual air pressure is released.



VA1316

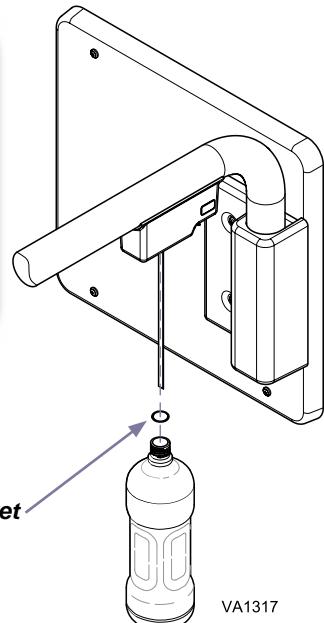
#### To fill the Self -Contained Water System...

- A) Unscrew water bottle.
- B) Fill bottle with water. (Distilled Water Is Recommended)
- C) Be sure gasket is in place.
- D) Screw bottle into mounting cap.

*Note: If gasket is not installed properly, you will hear a hissing when the system is turned ON. Water bottle should be checked in between each patient and filled if necessary.*



#### Wall Mount Shown



VA1317

# Operation

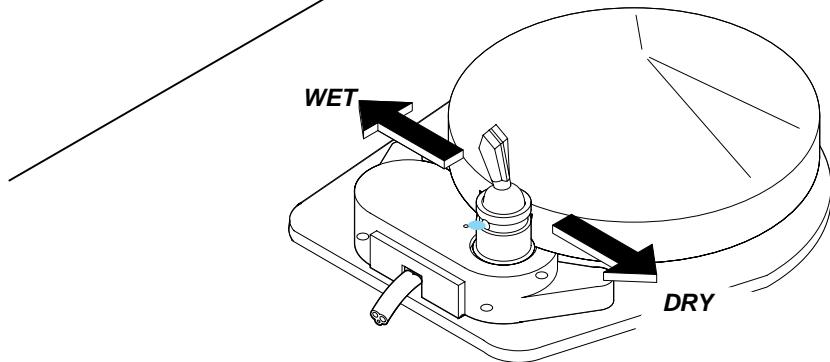
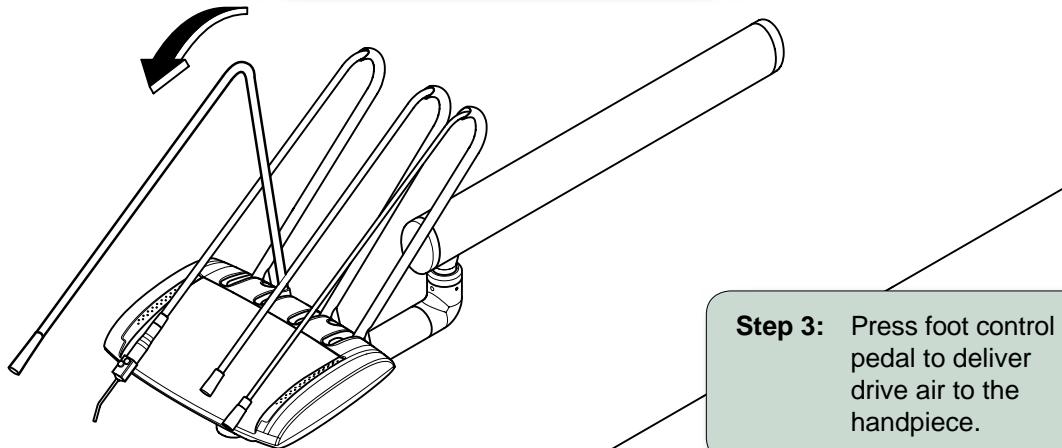
## Handpieces

### Before you begin...

Turn Master ON / OFF switch ON.

Move Water Toggle Switch to desired setting.

**Step 1:** Pull handpiece forward.



VA1318

**Step 2:** Select Wet or Dry operation using the foot control toggle switch.

*Note: The blue dot indicates Wet position.*

# Operation

## Handpiece Care

### To Change Prophy Angle...

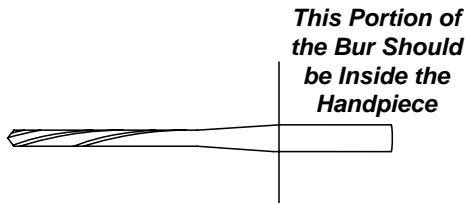
- A) Rotate chuck to the right to unlock.
- B) Install Prophy angle, turn chuck release ring left to tighten.



### To Change Bur in High Speed Handpiece...

- A) Push button on back of handpiece and pull the bur out.
- B) Push bur into handpiece. (The shank will only go in half-way)
- C) Then push button on back of handpiece and push the bur in until shank is all the way in.

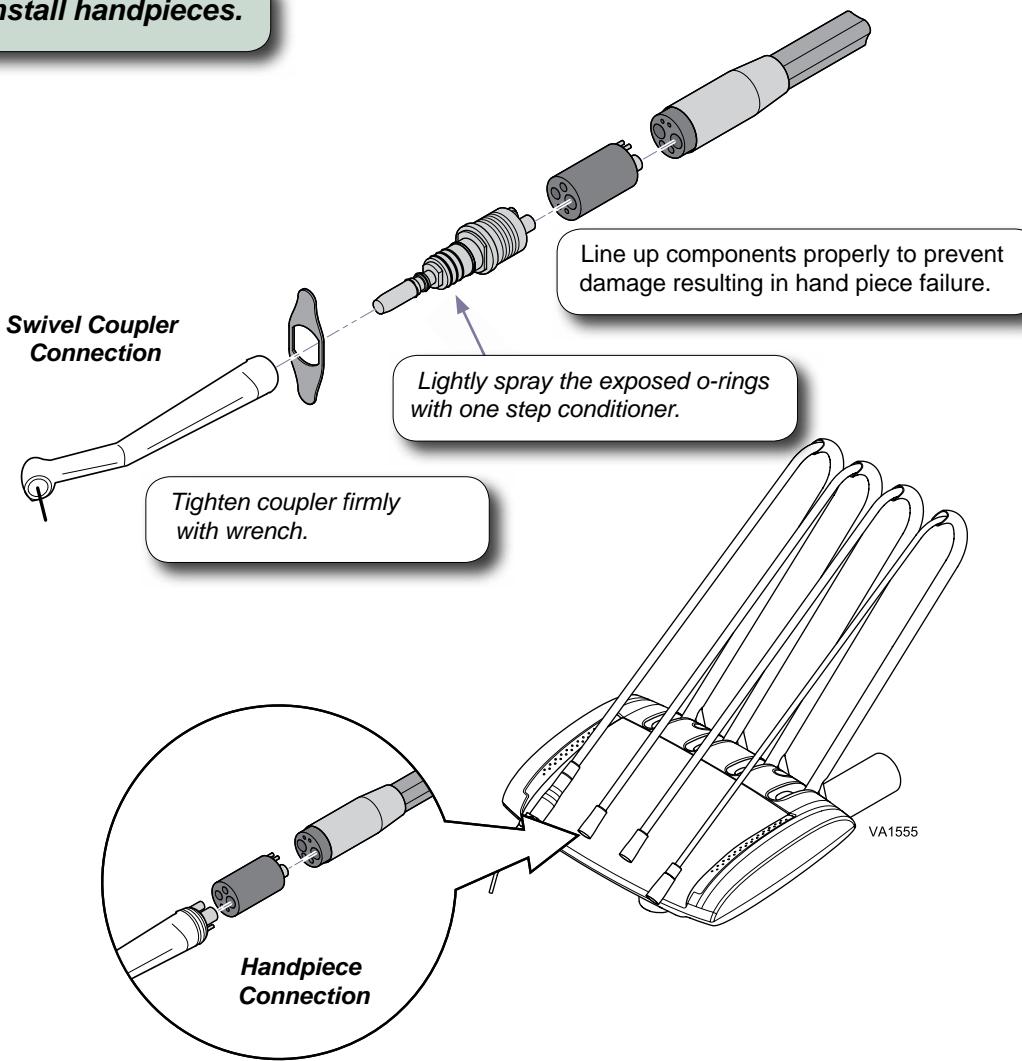
*Note: Friction grip burs (FG Style) are designed so that the entire straight portion of the shaft should be inside the chuck of the handpiece. You should only see the tapered portion of the bur if installed properly.*



VA1546

## Handpiece Care

### Install handpieces.



### Equipment Alert

Complete manufacturer's instructions for "Infection Control / Sterilization found in the documentation included with the handpieces. Failure to do this will cause premature failure of handpieces.

# Operation

## Syringe

This page shows operation and adjustment for a standard 3-way syringe.

### Before you begin...

Turn master ON / OFF switch ON.  
Move water toggle switch to desired setting.

### For air spray...

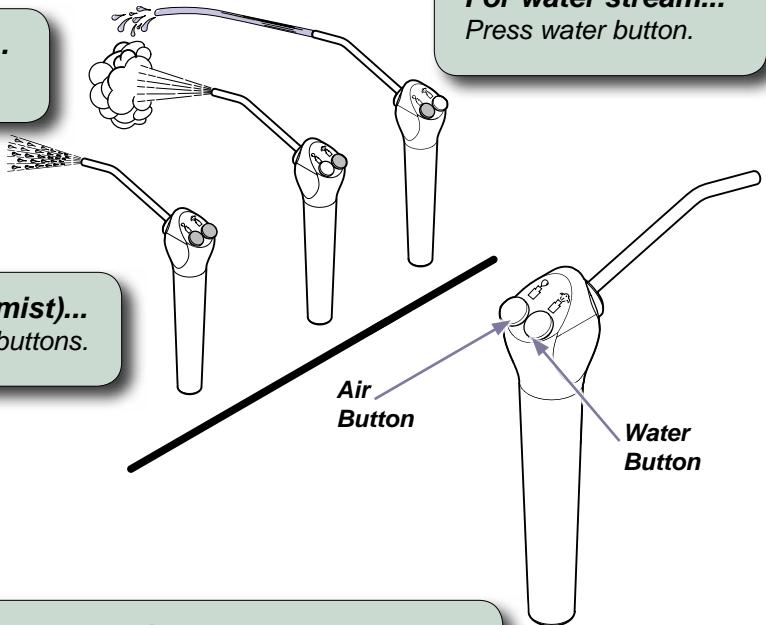
Press air button.

### For water stream...

Press water button.

### For water spray (mist)...

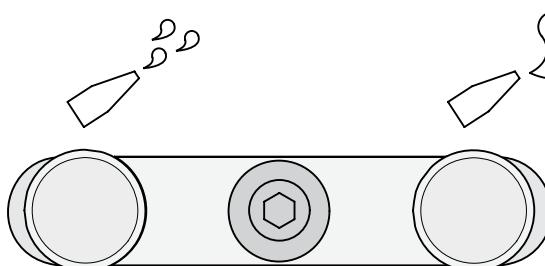
Press air and water buttons.



### To adjust air spray pressure and water spray pattern...

Rotate syringe air adjustment knob as necessary.

Syringe Water Adjustment Knob



Syringe Air Adjustment Knob

VA1320

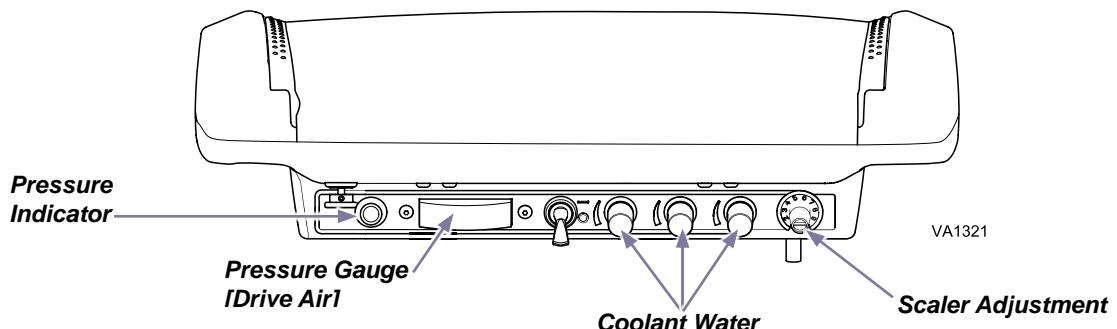
### To adjust water steam pressure and water spray pattern...

Rotate syringe water adjustment knob as necessary.

# Operation

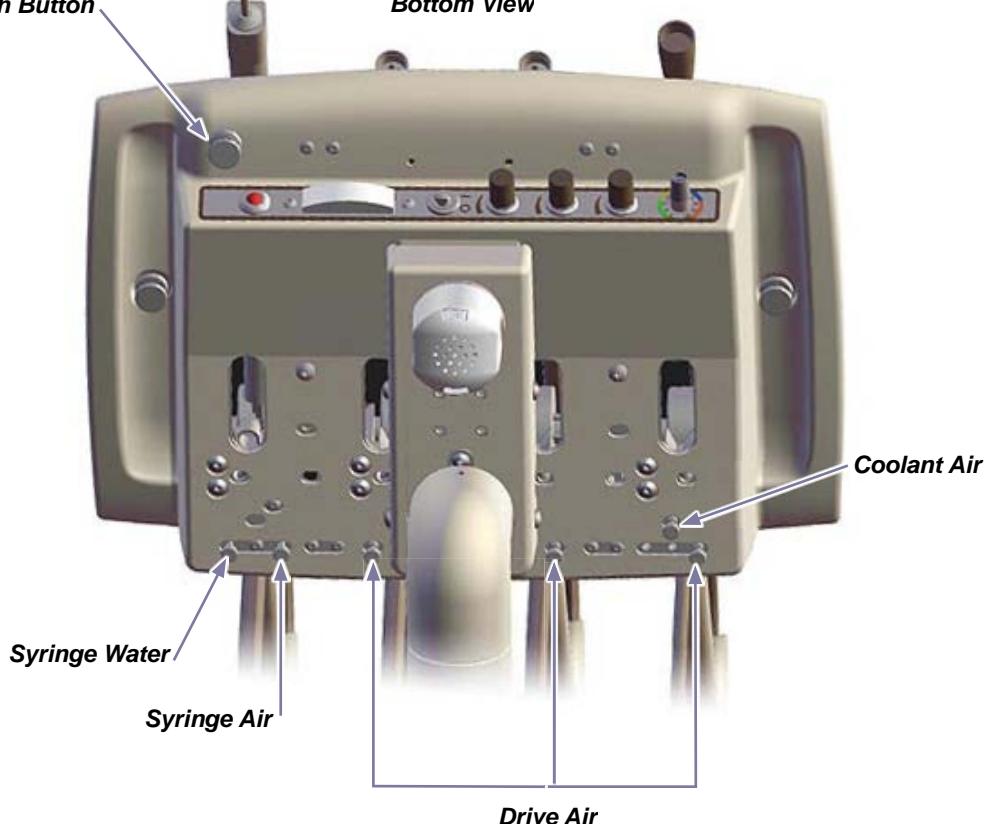
## Adjustment Knob Locations

Front View



Coolant Water  
Flush Button

Bottom View



# Cleaning

## Note

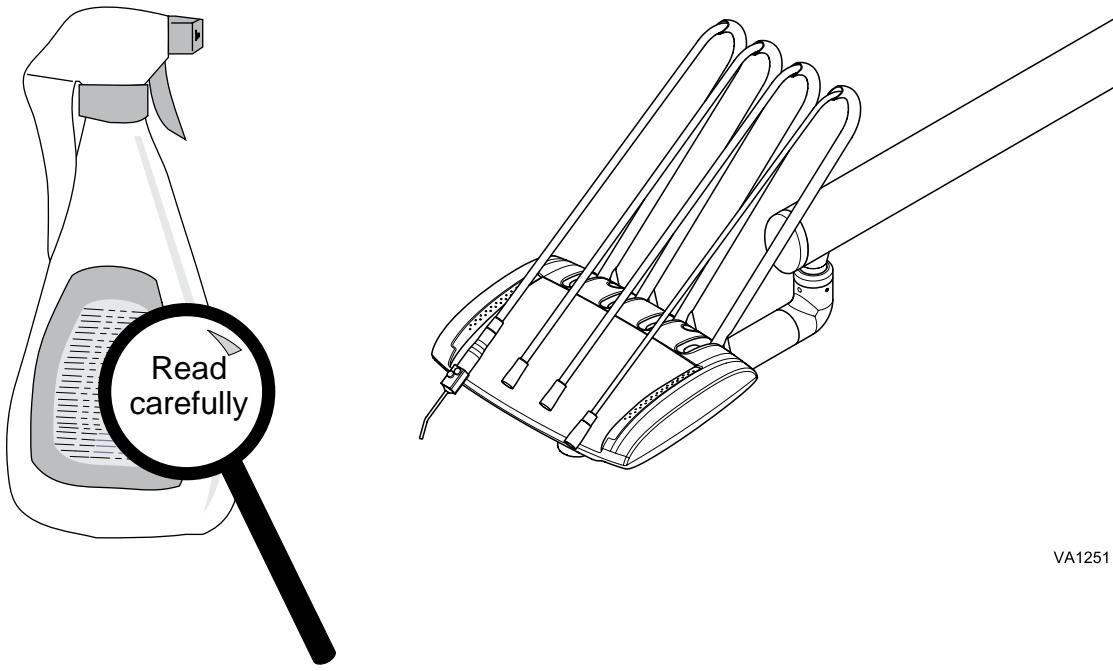
Every veterinary practice setting is different and no one disinfectant is the best choice for every facility. There are several organizations educated in disinfection procedures. Refer to web sites of accredited sources that can assist veterinary personnel in choosing what is best for their practice. Listed below are a few of the sites.

**Organization for Safety & Asepsis Procedures**

<http://www.osap.org>

**Dept. of Health & Human Resources Centers for Disease Control & Prevention (CDC)**

<http://www.cdc.gov>



VA1251

DA148100i

### **When using disinfectants...**

- Carefully read the product label and directions for use.
- Do not exceed the dilution rate.



### **Equipment Alert**

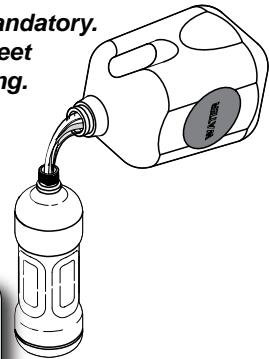
Refer to handpiece manufacturer for suggested cleaning procedures.

# Maintenance

## **At the beginning of each work day...**

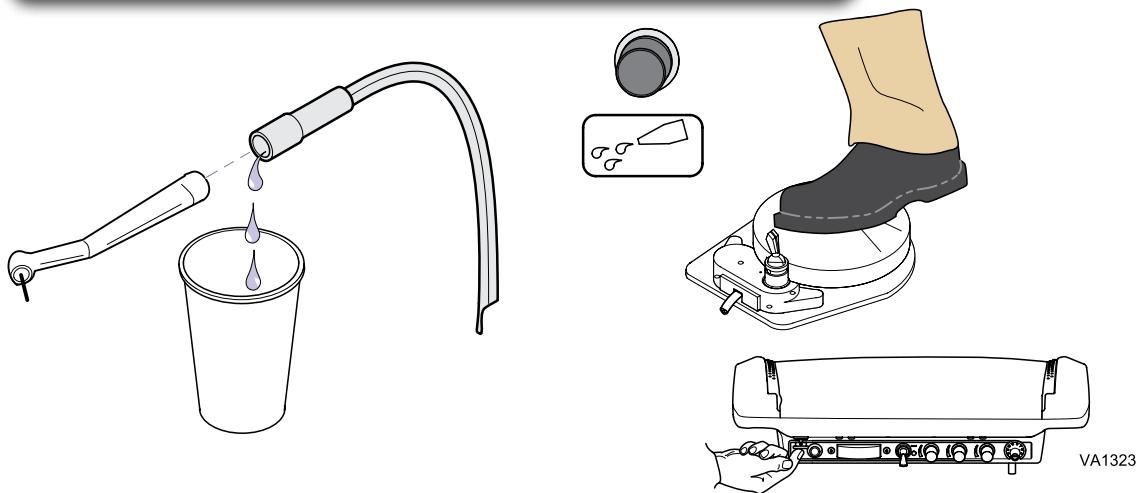
- Fill water bottles with fresh distilled water.
- Flush handpieces.

*Distilled water is not mandatory.  
However, water must meet  
requirements for drinking.*



## **To Flush Delivery System...**

- Remove all handpieces that use water.
- Open water needle valve.
- Turn foot control toggle switch to *WET*.
- Hold end of tubing over a container and press foot control for 30 seconds. Then press and hold flush button for 30 seconds. Repeat (step D) for all handpieces.
- Press and hold syringe buttons (air & water) for 30 seconds.
- Install newly disinfected handpieces.
- Refill water bottle.



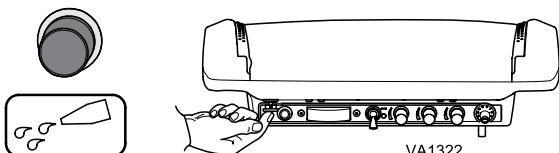
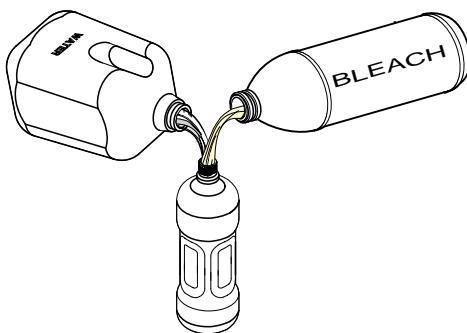
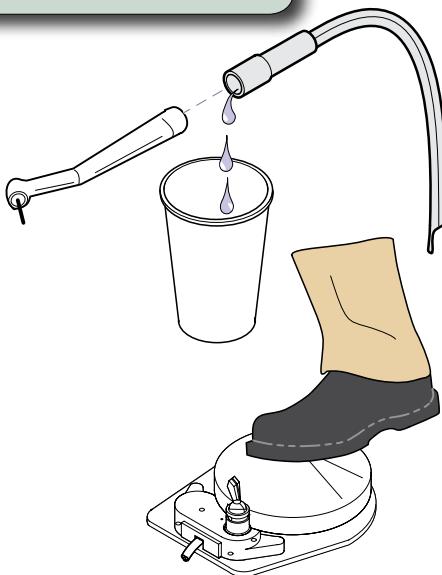
## **Between each patient...**

- Remove disposable tips, instruments, etc..
- Flush delivery system.
- Clean handpieces and scaler per manufacturers instructions.
- Fill water bottles.

## Maintenance - continued

### At the end of each day...

- Bleach flush delivery system and empty water stem.
- Clean system.



VA1322



### EQUIPMENT ALERT

**Do not use colored/scented bleach, or concentrations greater than recommended. Do not leave bleach solution in delivery system longer than 30 minutes, it could damage the delivery system.**

### To Bleach Flush Delivery System...

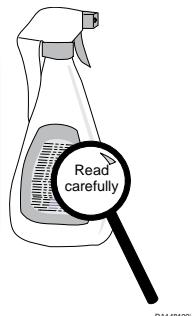
- Remove all handpieces that use water.
- Remove water bottles and fill with 9 parts water and 1 part bleach.
- Open water needle valve.
- Hold end of tubing over a container and press foot control for 30 seconds. Then press and hold flush button for 30 seconds. Repeat (step D) for all handpieces.
- Press and hold syringe buttons (air & water) for 30 seconds.
- Leave bleach solution in delivery system for 10 - 20 minutes, then remove / empty / rinse water bottles.
- Fill water bottles with fresh water and repeat steps C thru E until bleach odor is gone.
- Install newly disinfected handpieces.
- Empty water bottles.

## Maintenance - continued

### To Clean System...

- A) Disinfect handpieces according to manufacturer's instructions.
- B) Wipe down the WHIP head and operatory equipment with disinfectant.

Note: Refer to "Cleaning" page in this guide.

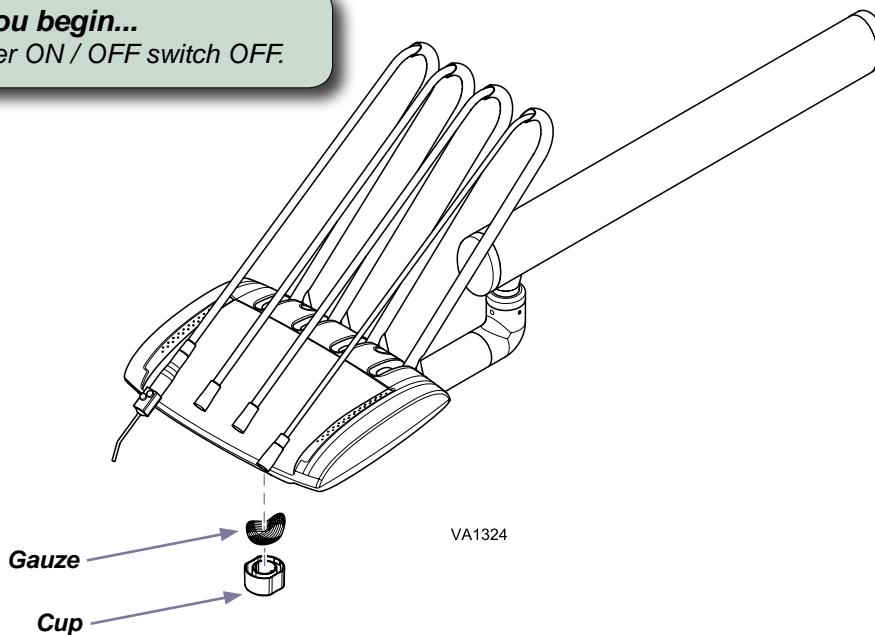


## Air / Oil Separator

Periodically, check the gauze in the air / oil separator cup. When gauze is saturated it must be replaced.

### Before you begin...

Turn master ON / OFF switch OFF.



### To clean the air / oil separator cup...

- A) Unsnap cup.
- B) Dispose of saturated gauze.
- C) Disinfect cup.
- D) Install new gauze, then reinstall cup.

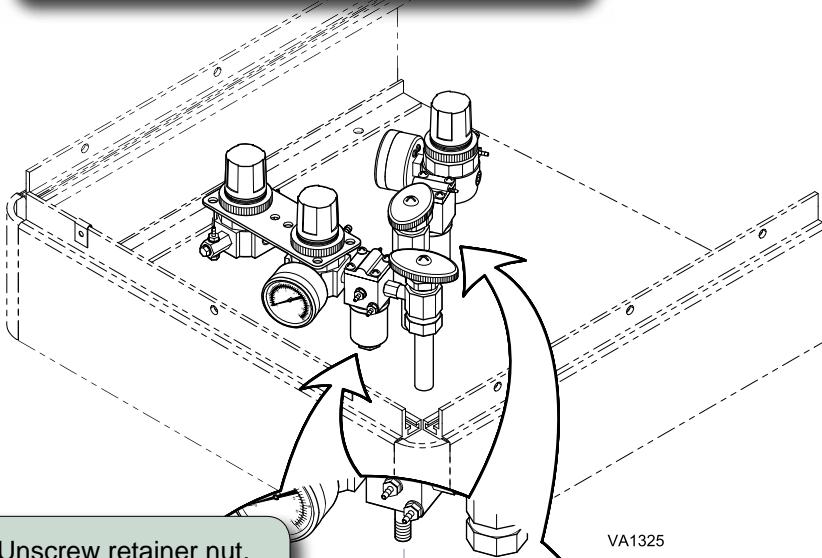
# Maintenance

## Regulator Valve Filters (Only for Units with Junction Box)

The air and water pressure regulator valves each have a sediment filter to prevent debris from entering the system. To maintain proper air and water flow, these filter should be replaced approximately every three months.

### Before you begin...

Turn off water & air supply to the dental unit by closing both manual shut-off valves.



**Step 1:** Unscrew filter cap.

*Note: Use 9/16" wrench.*

Retainer Nut

Filter Cap

**Step 2:** Unscrew retainer nut. Remove filter.

*Note: Install the filter & retainer nut with the ridged side up (as shown).*

**Step 3:** Install new filter. Secure with retainer nut.

*Note: Use 9/16" wrench.*

**Step 4:** Reinstall filter cap.

## Maintenance - continued

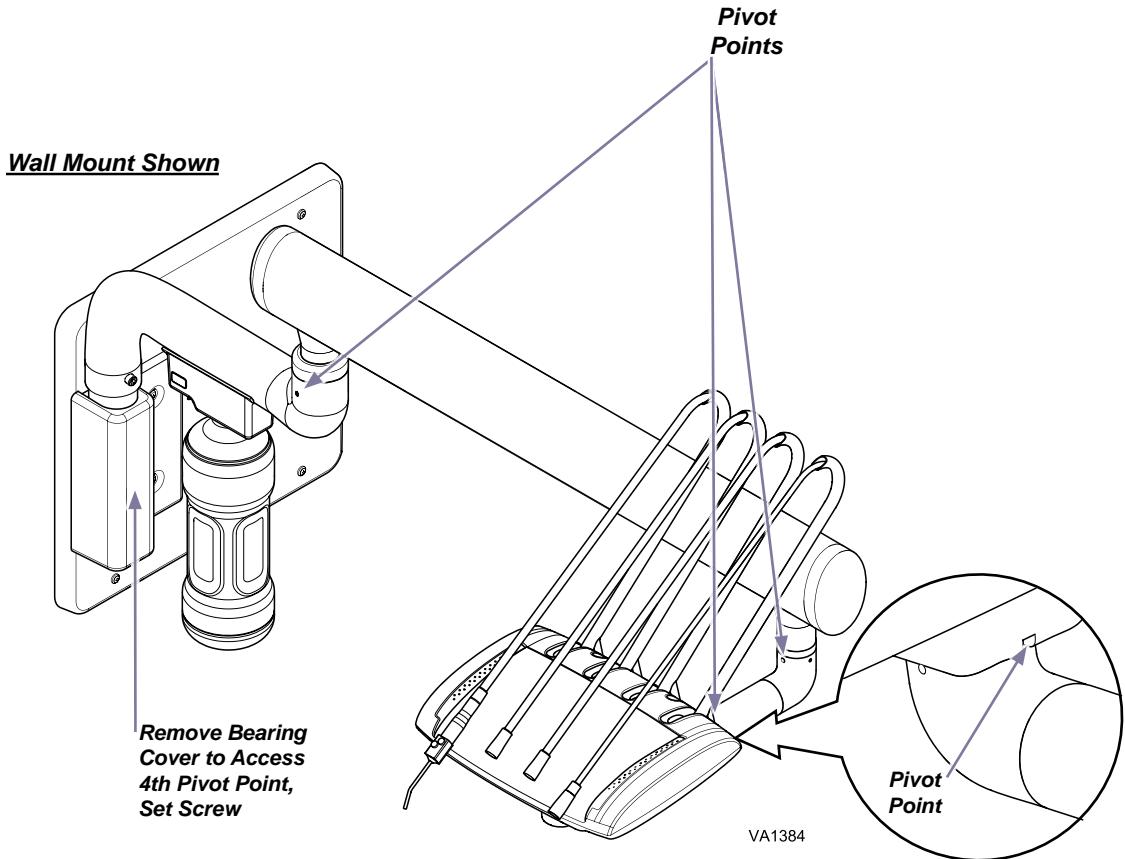
### Flex Arm - Pivot Point Adjustment

If the flex arm has too much play or is not moving freely, adjust the pivot point, set screws as necessary.

#### To Adjust Arms at Pivot Points..

*If arms have too much play, tighten them (Clockwise).*

*If they do not move freely, loosen them (Counter-Clockwise).*



# Specifications

| <b>Water Module</b>                                 |                            |
|-----------------------------------------------------|----------------------------|
| <b>Reservoir</b>                                    | One - 1 Liter              |
| <b>City Water</b>                                   | Toggled with Reservoir     |
| <b>Pressurized System</b>                           | 30 - 50 PSI                |
| <b>Aseptic</b>                                      | Non-Retracting HPC Coolant |
| <b>Handpiece Flush System</b>                       | Manual                     |
| <b>Recommended Pressure Settings (Junction Box)</b> |                            |
| “City” Water Regulator Valve                        | 30 PSI                     |
| Air Regulator Valve                                 | 80 PSI                     |
| Water Bottle Regulator Valve                        | 30 PSI                     |
| <b>Electrical</b>                                   |                            |
| <b>Voltage</b>                                      | 115 VAC                    |
| <b>Circuit Breaker Protection</b>                   | 15 amps                    |
| <b>Frequency</b>                                    | 60 Hz                      |



## WARNING

*Equipment not suitable for use in the presence of a flammable anesthetic mixture.*



## WARNING

*The Acteon Newtron® LED scaler complies with current electromagnetic compatibility standards. However, it must not be used by or on those with cardiac stimulators or other active implants unless adequate electromagnetic interference shielding is present. Check with a cardiologist to verify the EMI shielding capabilities of the implant. See enclosed Newtron® LED manual for further advisories.*

## **Limited Warranty**

### **SCOPE OF WARRANTY**

Midmark Corporation ("Midmark") warrants to the original purchaser its Exam Room Casework, Veterinary products and components (except for components not warranted under "Exclusions") manufactured by Midmark to be free from defects in material and workmanship under normal interior use and service. Midmark's obligation under this warranty is limited to the repair or replacement, at Midmark's option, of the parts or the products the defects of which are reported to Midmark within the applicable warranty period and which, upon examination by Midmark, prove to be defective.

### **APPLICABLE WARRANTY PERIOD**

The applicable warranty period, measured from the date of delivery to the original user, shall be as follows:

- **The VetPro® 5000 unit is warranted against defect in material and workmanship for a period of two years from the time of delivery.**

**DENTAL PRODUCTS** are warranted against defect in material and workmanship for the period indicated below from the time of delivery:

- a) 2 years for all products and components (except for the periods in b through d).
- b) "KINK-VALVE" module carries a 10 year warranty.
- c) Accessories not manufactured by Midmark are excluded (i.e. Fiber optic systems, Scalers, Handpieces, etc.).
- d) Replacement parts and accessories carry a 90 day warranty

### **EXCLUSIONS**

This warranty does not cover and Midmark shall not be liable for the following; (1) repairs and replacements required because of misuse, abuse, negligence, alteration, accident, freight damage, or tampering; (2) changes in color caused by natural or artificial light; (3) products which are not installed, used, and properly cleaned as required in the Midmark written "Installation" and or "Installation/Operation" Manual applicable for this product; (4) products considered to be of a consumable nature such as light bulbs and surge suppression product; (5) accessories or parts not manufactured by Midmark; (Any warranties on these items are extended directly by the manufacturer of these items to the original purchaser.

Information on these manufacturers' warranties will be enclosed with the applicable products. Also, Midmark will furnish copies of any of the warranties extended by any such manufacturers upon request.) (6) specially manufactured products; (7) damage caused by animals; (8) charges by anyone (including Midmark's authorized dealers) for adjustments, repairs, replacement parts, installation, or other work performed upon or in connection with such products which is not expressly authorized in writing in advance by Midmark.

### **EXCLUSIVE REMEDY**

Midmark's only obligation under this warranty is the repair or replacement of defective parts. Midmark shall not be liable for any direct, special, indirect, incidental, exemplary or consequential damages or delay including, but not limited to, damages for loss of profits or loss of use.

### **NO AUTHORIZATION**

No person or firm is authorized to create for Midmark any other obligation or liability in connection with the products.

**THIS WARRANTY IS MIDMARK'S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. MIDMARK MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS.**



**Midmark Corporation**

For contact information, go to:

[www.midmark.com](http://www.midmark.com)



Because we care.



E1 is the first member of the E-series family. As a newly released hand carried B/W ultrasound model, it is equipped with complete functions for a confident and efficient diagnoses which makes it the best B&W model on the market. E1 integrated a number of advanced imaging technologies such as the full digital broad band width beam former, wide band dynamic range, and multi-beam parallel processing. Although it is targeting a B/W market, it supports PW Doppler, Auto IMT, Spatial Compounding, Auto Image Optimization, Stand-by Mode, Enhanced Needle Visualization, Panoramic imaging with 2 standard probe ports and 15.6" LED monitor.

#### Specialties

Abdominal

Vascular

## Features

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**SonoScape**  
(<https://sonoscapenorthamerica.us>)  
Efficient Diagnosis

 Search



Ease of Use



Expansive Accessories

## Specifications

### Specifications

Size: 378mm×352mm×114mm (W×H×D)

Weight: Approx. 6.5kg (at most, including battery)

Approx. 6.1kg (at most, without battery)

Monitor: 15.6" widescreen and high-resolution color

LCD monitor, LED backlight, anti-flickering and  
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Vertically and horizontally rotatable

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Probe port: one (two ports can be equipped by order)

Frame Rate: Up to 60fps (Probe Dependent)

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PRODUCTS

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(<https://sonoscapenorthamerica.us>)

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## BUSINESS INFO

SonoScape Medical Corp.

Tel: (855) 761-SONO (855-761-7666)

market@sonoscape.net

SonoScape US Service Center

8200 South Quebec St.,

Suite A3-294

Centennial CO 80112

## RECENT POSTS

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SonoScape Drawing In The Crowds At FIME 2018

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NO. 542.01 X-RAY, DENTAL, DIGITAL RADIOGRAPHY READER

## Digital Dental X-ray

Midmark Animal  
Health Products



 MIDMARK®

# Disease you can't see...

60% of periodontal disease lies below the gum line, and many issues aren't detectable via probing or visual inspection.\*

Don't let patients leave your clinic with undiagnosed disease. Only through the use of dental radiographs can you effectively diagnose dental disease that could result in tooth loss and many systemic diseases affecting the heart, liver and kidneys.



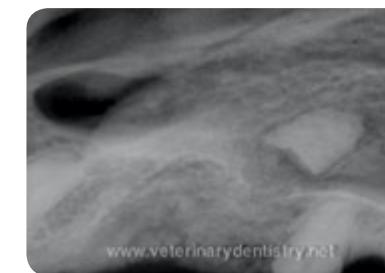
You can't afford not to invest in dental X-ray. VetPro® systems can pay for themselves in less than a year! Let us show you how.



Teeth appear normal and healthy.



X-ray shows underlying pathology.



Post-extraction images allow you to spot remaining tooth fragments.

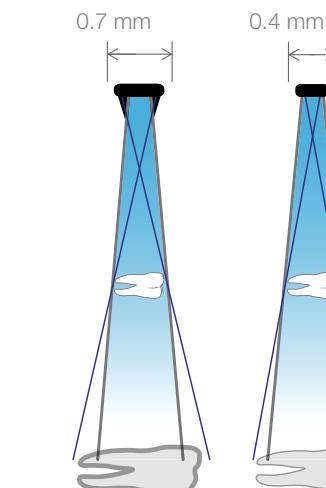
\* PetMD, Gum Disease in Dogs, [www.petmd.com/dog/conditions/mouth/c\\_multi\\_peridontal\\_disease](http://www.petmd.com/dog/conditions/mouth/c_multi_peridontal_disease)

## VetPro® DC

### Designed to enhance your clinic's efficiency

The VetPro® DC uses simple icons and a large, easy-to-read display for ease of use. You can select the mA, kV and time settings of your choice or choose the convenient pre-programmed technique settings. The positioning arm is constructed with high-tolerance, frictionless joints and a heavy duty dual braking system designed for precise and stable placement. The unique tube head handle is designed to let you effortlessly put the X-ray source where you want it, with just one hand.

- Intuitive, with easy-to-use, veterinary-specific software and control panel
- DC technology allows you to adjust kV (60, 65 and 70) and mA (4, 5, 6 and 7)
- A flexible system with settings you can customize to suit your practice
- 0.4 mm focal spot (smallest in the industry) is designed to produce visibly higher resolution images
- Optional sensor holder on arm available
- 56", 66", 76" or 82" arm lengths and versatile mobile system
- No-hassle installation - simply connect the USB cable to your PC, use the quick calibration flash drive to prepare your sensor, and the system is ready
- Superior construction – made in the U.S.A.
- Before, during and after sale support



The VetPro® DC 0.4 mm focal spot is designed to produce visibly higher resolution images whether you're using film or digital sensors. Details are sharper and more defined. Small but important differences are easier to spot. Pathologies are easier to identify.



# Midmark – the digital dental X-ray experts

## VetPro® DR Digital Dental Radiography Sensor

The VetPro® DR sensor is designed to allow you to get the soft-tissue visualization plus crown and root definition that you need to ensure you are providing your patients with superior dental care.

- Cable is Kevlar® reinforced, designed for improved durability
- Waterproof, hermetic seal is designed to reduce problems encountered during routine cleaning
- CMOS technology designed to deliver enhanced image quality
- High-speed USB connection designed to capture images 37% faster
- Rounded corners means easier positioning in tight spaces for better capture of roots
- Ask us about our Sensor Safe® Extended Care and Factory Warranty Extension programs



Midmark Animal Health is known in the industry for our market-leading digital X-ray machine, trusted digital imaging systems, intuitive software and an unmatched, nationwide support and service network.

## VetPro® CR Digital Dental Radiography Reader

### Do you prefer to use phosphor plates?

The VetPro® CR is designed to be an easy to use and affordable dental imaging solution from the name you trust. Who says high-quality dental imaging needs to be complicated or expensive?

The VetPro® CR Dental Radiography Reader was designed to provide the following features and resulting benefits for your clinic:

- Rapid, high-quality readings
- Low maintenance with no brushes. Helps reduce image artifacts from hair, etc.
- Size 4c plate available – large enough to capture larger teeth but small enough for easier positioning
- Affordable and compact veterinary dental solution
- Progeny® Imaging Software included at no additional cost after purchase
- Easy-to-use LCD touchscreen interface
- Utilize existing X-ray equipment and imaging techniques
- Standard and high resolution options
- Easy-to-position, reusable imaging plates
- Built-in erase function
- Streamlined unit for ease of cleaning
- Software optimizes acquisition, processing and management
- USB connection
- Eliminate darkroom and chemicals
- Auto calibration ensures stability and consistency
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- Size 2 and 4c imaging plates are included with the unit – sizes 0, 1, 2, 3 and 4c available for purchase



### Phosphor plates are designed to have the following benefits:

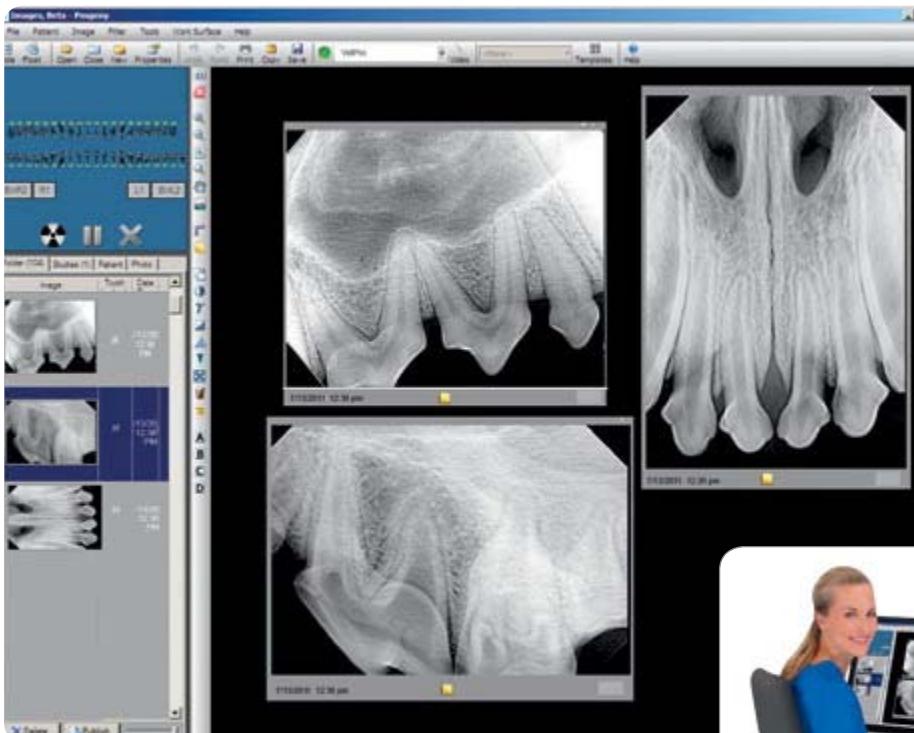
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- Imaging plates offer 100 percent active area
- Familiar workflow and accessories comparable to film, allowing for seamless integration into the practice
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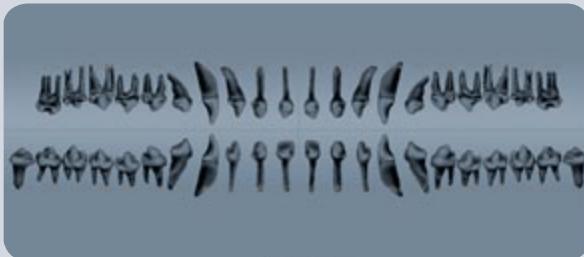
Integrated with AVImark® Veterinary Practice Management Software



VetPro® Complete CR



VetPro® Complete DR



Canine Tooth Panel



Feline Tooth Panel

## VetPro® Complete Mobile Imaging Station

A digital imaging solution that includes a VetPro® Complete Mobile unit with #2 sensor, laptop pre-loaded with imaging software and laptop tray.



## VetPro® DC Specifications

Line Voltage: 120-230 VAC  
+/- 10% 50-60 Hz

Line Load: Maximum current amps

Tube Potential: 60, 65 or 70 kV

Tube Current: 4, 5, 6 or 7 mA

Exposure Time: 20 ms to 2 seconds

Cone Length: 20 cm (8 inches)

Minimum Inherent Filtration: 2 mm Al equivalent at 70 kV

Focal Spot: 0.4 mm (IEC 336)

Duty Factor: 1:15

Remote exposure hand switch included

Shipping Weight: 95 lb (wall mount)  
330 lb (mobile)

Applicable Documents Federal  
Regulations: 21 CFR, UL, CE

Warranty: 2 years, limited

Options: choice of 56", 66", 76" or 82" (total reach); double stud mounting plate

## VetPro® CR Specifications

Selectable Pixel Size: High  
35µm · Standard 64µm

Sampling Pixel Pitch (35µm):  
14.3 lp/mm

Readout Time: 4.1 ~ 7.2 sec

Resolution: Data Capture  
16-bits per pixel, 65,000 graytones

Eraser: Embedded

Dimensions 10.4" (H) x 4.7" (W) x 12.5" (D)/265 (H) x 120 (W) x 318 (D) mm

Weight: 10.4 lb (4.7 kg)

System Configuration: Tabletop

Interface: USB 2.0 high speed (480 Mbps)

Power Requirements: 100 ~ 240V/50 ~ 60Hz, 30W · UPS required

Warranty: 1 year

## VetPro® DR Sensors Specifications

Dimensions:  
Size 1 (film size equivalent)  
37 mm x 24 mm x 6 mm

Size 2 (film size equivalent)  
43 mm x 30 mm x 6 mm

Active Area:  
Size 1 (film size equivalent)  
30 mm x 20 mm

Size 2 (film size equivalent)  
36 mm x 26 mm

Number of Pixels:  
Size 1 (film size equivalent)  
1580 lines x 1050 pixels

Size 2 (film size equivalent)  
1896 lines x 1368 pixels

Pixel Size: 19 µm x 19 µm

Theoretical Resolution:  
26 lp/mm

Levels of Grey: 4096

Connection Type:  
High-speed USB 2.0

Sensor Cable Length: 3 meters

Warranty: 2 years

## Progeny® Vet Imaging Software

Computer Workstation Requirements:  
Operating System: Windows® 8 Pro or Enterprise Edition (32 & 64 bit), Windows® 7 Ultimate or Professional (32 & 64 bit)

Processor: Intel® (or x86 compatible) Single Core™ 2 GHz or better (or Dual Core™ at 1.7 GHz recommended),

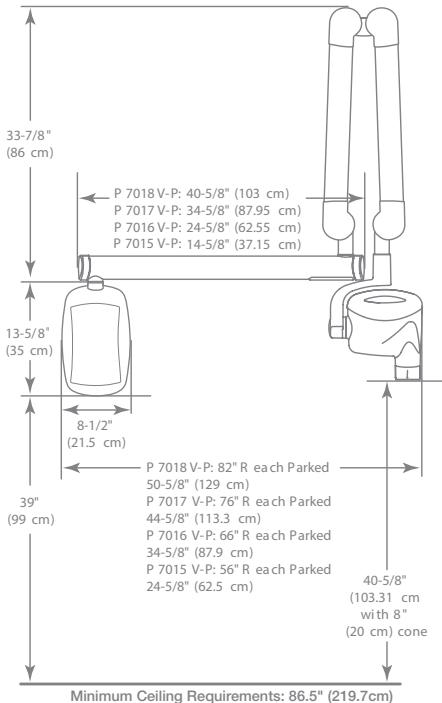
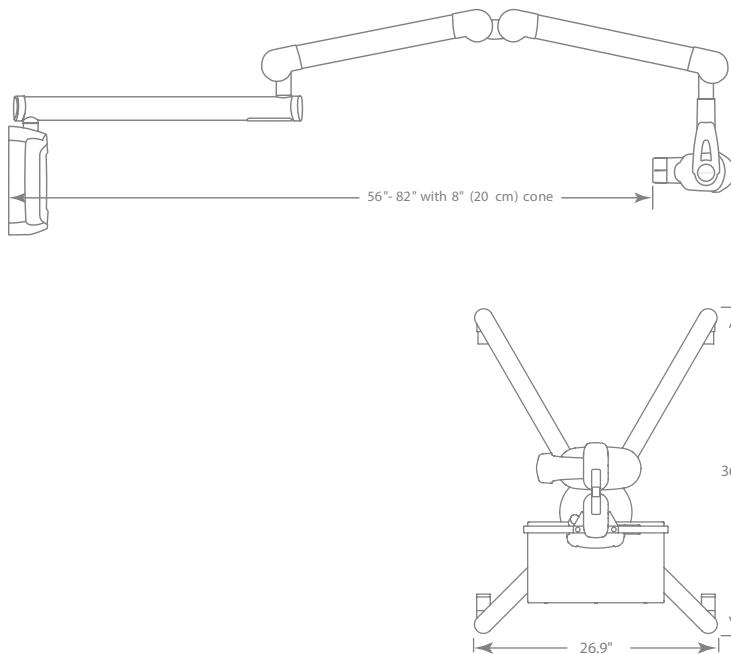
Memory: 2 GB RAM (minimum), 3 GB RAM (recommended),

Storage: 80 GB Hard Drive (minimum)

Video: 32 bit, 1024 x 768 resolution capable (minimum)

Display: 1024 x 768, 32 true bit color (recommended)

Ports: Two High-Speed USB 2.0



Authorized  
Representative:

CEpartner4U  
Esdoornlaan 13  
3951DB Maarn  
The Netherlands  
www.cepartner4u.eu

**Better Patient Care. Better Business.™**

midmarkanimalhealth.com

X-ray, Radiography Sensors, Mobile Station - Manufactured by Midmark Corporation, Lincolnshire, IL.  
Radiography Reader, Plates - Manufactured by 3D Imaging and Simulations Corp, Yuseong-gu, Daejeon, Korea, for distribution by Midmark Corporation, Versailles, OH.

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NO. 542 X-RAY, DENTAL, WALL MOUNT

## Digital Dental X-ray

Midmark Animal  
Health Products



 MIDMARK®

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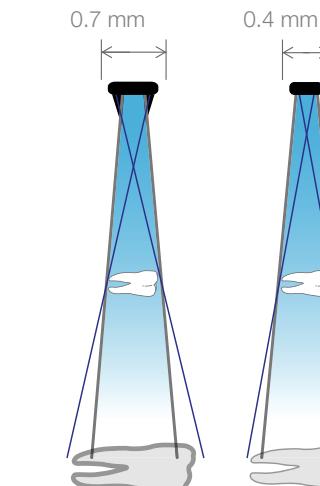


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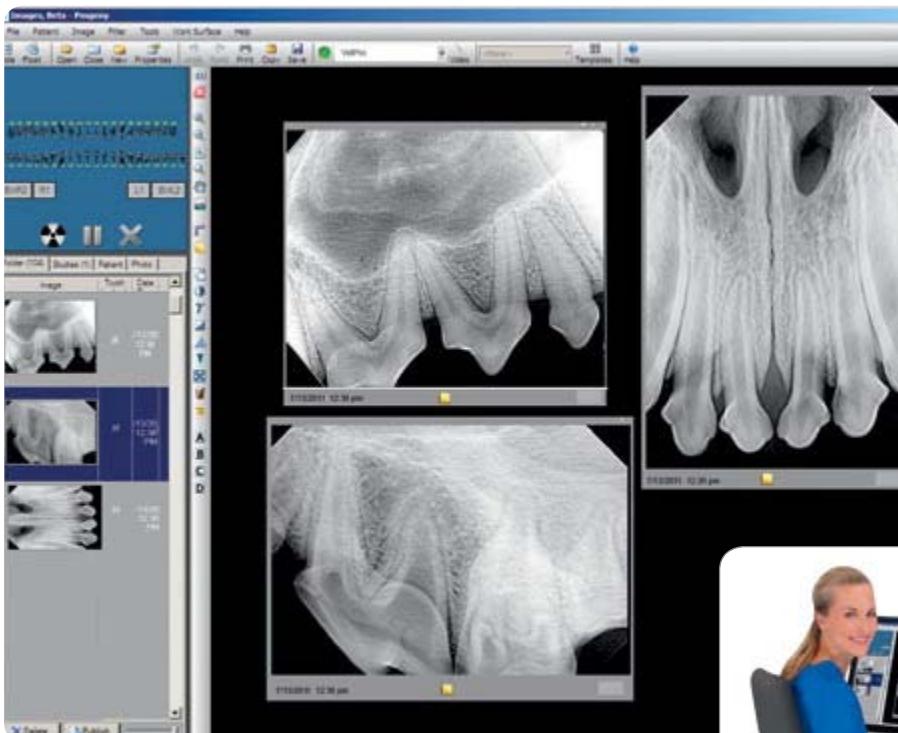
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Integrated with AVImark® Veterinary Practice Management Software



VetPro® Complete CR



VetPro® Complete DR



Canine Tooth Panel



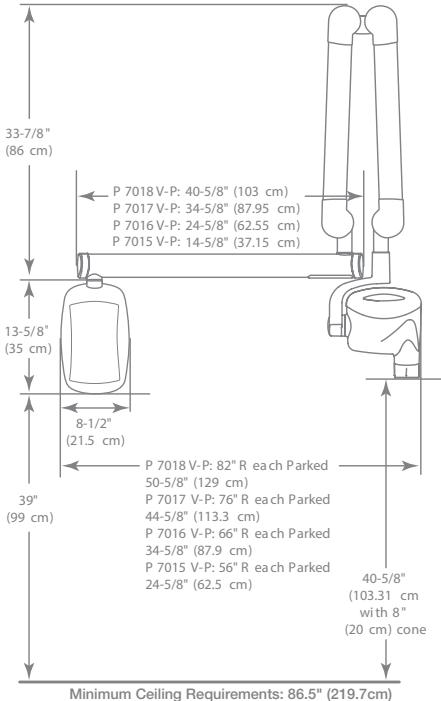
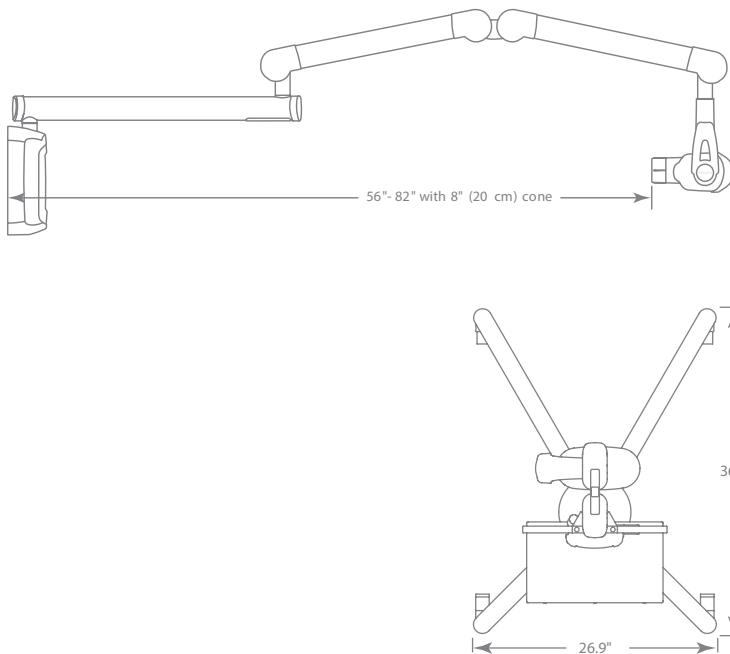
Feline Tooth Panel

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| VetPro® DC Specifications                                                               | VetPro® CR Specifications                                                        | VetPro® DR Sensors Specifications                                                                                                           | Progeny® Vet Imaging Software                                                                                                                                 |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Voltage: 120-230 VAC<br>+/- 10% 50-60 Hz                                           | Selectable Pixel Size: High<br>35µm · Standard 64µm                              | Dimensions:<br>Size 1 (film size equivalent)<br>37 mm x 24 mm x 6 mm<br>Size 2 (film size equivalent)<br>43 mm x 30 mm x 6 mm               | Computer Workstation Requirements:<br>Operating System: Windows® 8 Pro or Enterprise Edition (32 & 64 bit), Windows® 7 Ultimate or Professional (32 & 64 bit) |
| Line Load: Maximum current amps                                                         | Sampling Pixel Pitch (35µm):<br>14.3 lp/mm                                       | Active Area:<br>Size 1 (film size equivalent)<br>30 mm x 20 mm<br>Size 2 (film size equivalent)<br>36 mm x 26 mm                            | Processor: Intel® (or x86 compatible) Single Core™ 2 GHz or better (or Dual Core™ at 1.7 GHz recommended),                                                    |
| Tube Potential: 60, 65 or 70 kV                                                         | Readout Time: 4.1 ~ 7.2 sec                                                      | Number of Pixels:<br>Size 1 (film size equivalent)<br>1580 lines x 1050 pixels<br>Size 2 (film size equivalent)<br>1896 lines x 1368 pixels | Memory: 2 GB RAM (minimum),<br>3 GB RAM (recommended),                                                                                                        |
| Tube Current: 4, 5, 6 or 7 mA                                                           | Resolution: Data Capture<br>16-bits per pixel, 65,000<br>graytones               | Pixel Size: 19 µm x 19 µm                                                                                                                   | Storage: 80 GB Hard Drive<br>(minimum)                                                                                                                        |
| Exposure Time: 20 ms to 2 seconds                                                       | Eraser: Embedded                                                                 | Theoretical Resolution:<br>26 lp/mm                                                                                                         | Video: 32 bit, 1024 x 768<br>resolution capable (minimum)                                                                                                     |
| Cone Length: 20 cm (8 inches)                                                           | Dimensions 10.4" (H) x 4.7"<br>(W) x 12.5" (D)/265 (H) x 120<br>(W) x 318 (D) mm | Levels of Grey: 4096                                                                                                                        | Display: 1024 x 768, 32 true bit<br>color (recommended)                                                                                                       |
| Minimum Inherent Filtration:<br>2 mm Al equivalent at 70 kV                             | Weight: 10.4 lb (4.7 kg)                                                         | Connection Type:<br>High-speed USB 2.0                                                                                                      | Ports: Two High-Speed USB 2.0                                                                                                                                 |
| Focal Spot: 0.4 mm (IEC 336)                                                            | System Configuration: Tabletop                                                   | Sensor Cable Length: 3 meters                                                                                                               |                                                                                                                                                               |
| Duty Factor: 1:15                                                                       | Interface: USB 2.0 high speed<br>(480 Mbps)                                      | Warranty: 2 years                                                                                                                           |                                                                                                                                                               |
| Remote exposure hand switch included                                                    | Power Requirements: 100 ~<br>240V/50 ~ 60Hz, 30W · UPS<br>required               |                                                                                                                                             |                                                                                                                                                               |
| Shipping Weight:<br>95 lb (wall mount)<br>330 lb (mobile)                               | Warranty: 1 year                                                                 |                                                                                                                                             |                                                                                                                                                               |
| Applicable Documents Federal<br>Regulations: 21 CFR, UL, CE                             |                                                                                  |                                                                                                                                             |                                                                                                                                                               |
| Warranty: 2 years, limited                                                              |                                                                                  |                                                                                                                                             |                                                                                                                                                               |
| Options: choice of 56", 66", 76"<br>or 82" (total reach); double stud<br>mounting plate |                                                                                  |                                                                                                                                             |                                                                                                                                                               |



Authorized  
Representative:

CEpartner4U  
Esdoornlaan 13  
3951DB Maarn  
The Netherlands  
[www.cepartner4u.eu](http://www.cepartner4u.eu)

# Better Patient Care. Better Business.<sup>TM</sup>



X-ray, Radiography Sensors, Mobile Station - Manufactured by Midmark Corporation, Lincolnshire, IL.  
Radiography Reader, Plates - Manufactured by 3D Imaging and Simulations Corp, Yuseong-gu, Daejeon, Korea, for distribution by Midmark Corporation, Versailles, OH.

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Midmark is an ISO 13485 Certified Company.



## Wall-Mounted Exam Tables

### Stationary Wall Mount Exam Table

- Optional 12" x 16" x 4" deep 20 gauge stainless steel drawer may be opened from either side
- Raised seamless back splash protects the back wall
- 1 1/8" thick inner board for a solid, quiet working surface
- 20 gauge stainless steel top with raised anti-drip edges
- Spacious 22" x 44" work surface

|             |                                            |          |
|-------------|--------------------------------------------|----------|
| 101-1610-00 | Without Drawer, Laminate Top, White        | \$288.00 |
| 101-1610-30 | Without Drawer, Laminate Top, Custom Color | \$333.00 |
| 101-1610-05 | With Drawer, Laminate Top, White           | \$356.00 |
| 101-1610-35 | With Drawer, Laminate Top, Custom Color    | \$402.00 |
| 101-1640-00 | Without Drawer, Stainless Steel Top        | \$423.00 |
| 101-1640-05 | With Drawer, Stainless Steel Top           | \$492.00 |



Laminate Top

### Wall Hugger Folding Exam Table

- Wall mount plate has baked on finish to resist corrosion
- Allows easy access all around and unobstructed floor space
- 1 1/8" thick inner board for a solid, quiet working surface
- 20 gauge stainless steel top with raised anti-drip edges
- Spacious 22" x 44" work surface
- Counterbalanced action lifts and lowers effortlessly
- 4 1/2" from wall when folded to the "up" position

|             |                            |            |
|-------------|----------------------------|------------|
| 101-2710-00 | Laminate Top, White        | \$971.00   |
| 101-2710-30 | Laminate Top, Custom Color | \$1034.00  |
| 101-2740-00 | Stainless Steel Top        | \$1,034.00 |



Counterbalance Mechanism

[BACK TO CONTENTS](#)


For questions on these formerly VSSI inc. products or for ordering information, please contact our Carthage customer service team at:

**1-800-299-9525**

## EXAM



#400-21

**Wall Mount Exam Tables**

- 22" x 45" Exam top 18 gauge stainless steel
- Raised marine edge contains spills on work surface
- 1" back splash protects wall from water damage
- Available with pass-thru drawer
- Available in custom sizes

#400-20 Wall Mount Exam Table

#400-21 Wall Mount Exam Table with Pass-Thru Drawer

TABLES



#400-23

**Wall Mount Folding Exam Table**

- Folds up to store & down to use
- Exam top constructed of 18 gauge stainless steel
- Raised marine edge contains spills on work surface
- Available in custom sizes

#400-23: 20" x 45" End mount - fold up to store &amp; down to use



#400-24

**Wall Mount Folding Exam Table**

- Folds up to use & folds down to store
- Exam top 18 gauge stainless steel
- Raised marine edge contains spills on work surface
- Available in custom sizes

#400-24 20" x 35" Side mount - folds down to store &amp; up to use



#400-25

**Wall Mount Fold Up Exam Table**

- Folds down to store & folds up to use
- 35" L x 20" W Exam top 18 gauge stainless steel
- Raised marine edge contains spills on work surface
- 1" back splash protects wall from water damage
- Available in custom sizes

#400-25 Wall Mount Fold Up Exam Table

## Wall-Mounted Exam Tables

### Stationary Wall Mount Exam Table

- Optional 12" x 16" x 4" deep 20 gauge stainless steel drawer may be opened from either side
- Raised seamless back splash protects the back wall
- 1 1/8" thick inner board for a solid, quiet working surface
- 20 gauge stainless steel top with raised anti-drip edges
- Spacious 22" x 44" work surface

|                    |                                            |                 |
|--------------------|--------------------------------------------|-----------------|
| 101-1610-00        | Without Drawer, Laminate Top, White        | \$288.00        |
| 101-1610-30        | Without Drawer, Laminate Top, Custom Color | \$333.00        |
| 101-1610-05        | With Drawer, Laminate Top, White           | \$356.00        |
| 101-1610-35        | With Drawer, Laminate Top, Custom Color    | \$402.00        |
| <b>101-1640-00</b> | <b>Without Drawer, Stainless Steel Top</b> | <b>\$423.00</b> |
| 101-1640-05        | With Drawer, Stainless Steel Top           | \$492.00        |



Laminate Top

### Wall Hugger Folding Exam Table

- Wall mount plate has baked on finish to resist corrosion
- Allows easy access all around and unobstructed floor space
- 1 1/8" thick inner board for a solid, quiet working surface
- 20 gauge stainless steel top with raised anti-drip edges
- Spacious 22" x 44" work surface
- Counterbalanced action lifts and lowers effortlessly
- 4 1/2" from wall when folded to the "up" position

|             |                            |            |
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| 101-2710-00 | Laminate Top, White        | \$971.00   |
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Counterbalance Mechanism

[BACK TO CONTENTS](#)


For questions on these formerly VSSI inc. products or for ordering information, please contact our Carthage customer service team at:

**1-800-299-9525**

# OLYMPIC VERSA-LIFT™

NO. 553 TRANSPORT, GURNEY

**One electric lift that does 3 jobs**

## GURNEY

Lightweight, easy to roll and steer



## TREATMENT

IV Pole and  
Instrument Tray  
fit in corner sockets



## CURBSIDE

Remove patients from cars easier, safer with electric lift and lift-off stretchers.



**Hands-on care**  
Raise lift for transport with assistant.



**Hidden handle**  
Slides out. One person can safely move patients outdoors.



**New Model Versa-Lift**  
with  
**QUICK-LOCK**  
Casters



### One lever locks/unlocks all 4 casters

**Saves time** No more locking and unlocking one caster at a time.

**Safer** Locks all 4 casters securely. No chance of an unlocked caster. 300 lb. patient capacity.

**2 Brake Levers** One on each side of the Versa-Lift.

**2 Foot Switches** For electric lift, one on each side of Versa-Lift.

**Instrument Tray** Included on swing arm, drops into sockets.

**Order Model 50705**

[More >>](#)

# OLYMPIC VERSA-LIFT™

**For lifting and transporting      Saves time      Improves patient care**



## Features

**Protects against back injury** Ergonomic electric lift. No more lifting or carrying heavy patients. Helps your hospital meet safety standards. Maximum height 40" for standing comfort.

**Saves time** Takes fewer people and less time to transport heavy patients.

**Improves patient care** A gurney that combines an electric lift with lift-off stretchers. Less traumatic for patients than awkward hand carrying, especially for injured or compromised patients.

**Safety compliant** Helps your hospital meet current safety standards.

**Rolls easily** Lightweight, only 68 pounds, half the weight of some gurneys. Large, locking casters. (See reverse side for new Versa-Lift with QUICK-LOCK Casters.)

**Turns on a dime** Steering handles at both ends. Maneuvers in tight spaces.

**Low-boy handle** With lift in lowered position, a hidden handle slides out so one person can safely transport a patient in the low-boy position if necessary.

**Outdoor use** Makes removing patients from cars easier, safer with electric lift and lift-off stretchers.

**Quick recharge battery** With charging light.

**Versatile** 3 products for price of one – a gurney, treatment table, and curbside lift.

**Watch video demonstration** [www.OlyVet.com](http://www.OlyVet.com) 

**Lift-off Stretchers**  
*Ergonomic and safe*



The top of the Versa-Lift is a stretcher which is held securely on 4 posts but easily lifts off for transferring patients to x-ray and other tables. Saves back strain and complies with safety recommendations. Easier, quicker transfers. Safer for patients and staff. Two stretchers available.



**Hard Stretcher**



**Soft Stretcher**

For treatment and exams. Molded of rigid reinforced polymer. Durable. Wipes clean. Non-slip surface. 2 Velcro straps.

Reinforced fabric is medical-grade, anti-microbial Herculite®. Wipes clean. X-ray transparent. Strong. 2 Velcro straps.

## Specifications

**Dimensions** 52" x 24".

**IV Pole** Included all models.

**Height range** 13" – 40".

**Instrument Tray** on swing arm included on Model 50705.

**Casters** Large 5" casters with new Quick-Lock central locking system, or individual locks.

**Foot Switches** 2 foot switches on Model 50705. One switch on other models.

**Net weight** 68 pounds.

**Electrical** 120v/60Hz.

**Steering Handles** At both ends.

### Order from your Distributor



**Olympic Versa-Lift with Quick-Lock Casters.**

Complete with Hard Stretcher, Soft Stretcher, IV Pole, Instrument Tray, and 2 Foot Switches ..... **Model 50705**

**Olympic Versa-Lift with Hard Stretcher, Soft Stretcher, and IV Pole** ..... **Model 50701**

**Olympic Versa-Lift with IV Pole and Hard Stretcher only** ..... **Model 50703**



**Instrument Tray**

Accessory fits on Versa-Lift ..... **Model 50780**

**3-Year Olympic Warranty** Includes all parts and labor



# Peninsula Folding Lift Table Manual



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# Pre-Installation



## WARNING

Do not move the Peninsula Folding Lift table by yourself. Improper handling may result in injury or damage to the product. Operator should never place foot on table base or under the table top.



## Equipment Alert

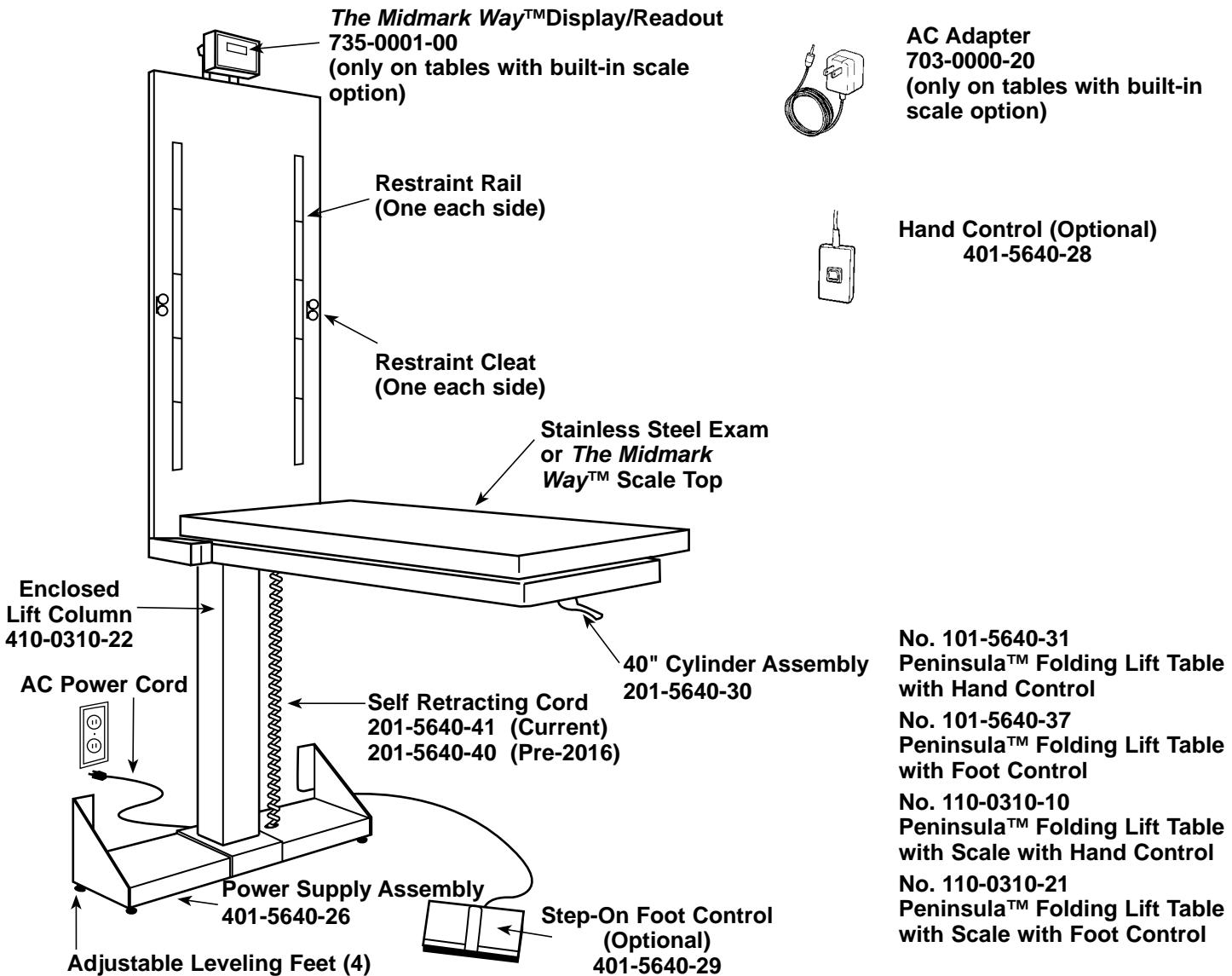
Weight limit on the table is 225 lbs..

## Note

Save all packaging until certain you are satisfied with the product.

Open packages carefully. Inspect the shipping carton and contents for any visible damage.

# Parts Identification



# Installation

Keep the table folded during installation.  
Lift Peninsula™ Folding Lift Table from base and column.

## Mounting the Peninsula™ Folding Lift Table:

Midmark recommends consulting your contractor before mounting table to the wall.

Hardware should meet minimum requirements: 3/8" diameter, 600 lb. shear capacity, 1,600 lb. pull capacity.

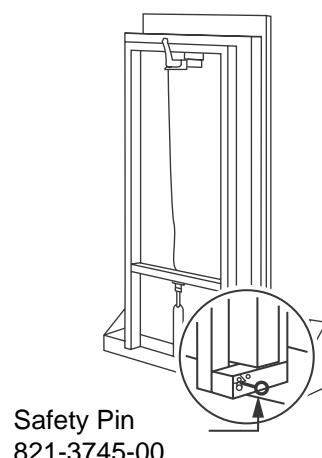
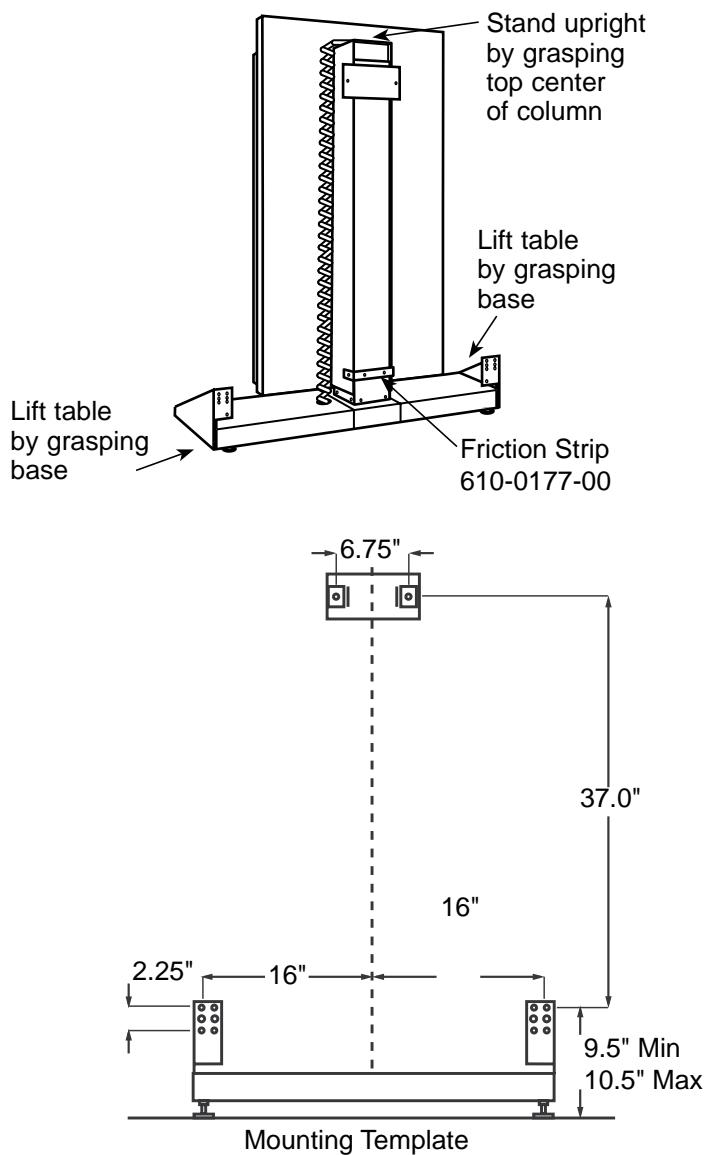
After installation, your table is ready for operation. Plug in the power cord at the base of the column. Remove the safety pin (shown at right below).

The folding table top is operated by depressing the lever under the top and pulling down or pushing up on the top at the same time.

The folding top is designed to stay in any position. A manually operated safety pin (shown at right) has been installed for added safety when the table is not in use.

To raise or lower the table to desired height, depress the up or down switch of the hand or foot control.

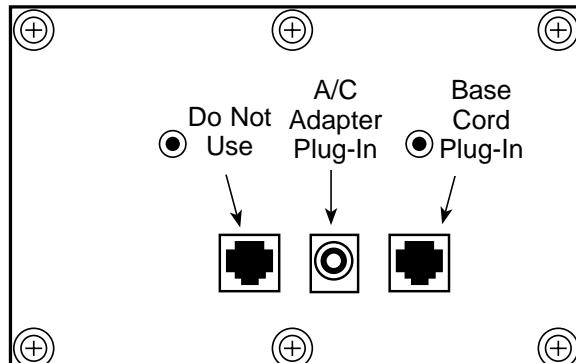
If you purchased a scale top model, continue with the instructions on the next page. If you have an exam top only, go to page 6.



# Installation with Scale

Refer below for connecting instructions if installing a lift table with the optional **Midmark Way™** scale built-in.

1. Remove the scale/readout display from the small box enclosed within the carton on the pallet.
2. Plug the AC adapter cord and display cord into the back of the scale readout/display. (The display cord the straight cord extending from the exam top.)
3. Plug the A/C adapter into a 110v power outlet.
4. Hang the scale readout/display over the top back of the stainless steel exam top.



Back view of Display/Readout

## Scale Features/Operation

### Using The Control Panel:



Push to turn unit on. Display shows the following:

~~~~ – Self test

Midmark – Checks display segments

u 1.7 – Software revision

b xx.x – Battery voltage  
(varies with AC plug in and internal 9v battery.) A reading of 6.0v indicates the need for battery replacement; the unit will shut off at a reading of 5.5v.

0.0 – Ready to weigh



Push and hold until display indicates unit shift. Display will show "conv" until the conversion is complete.



Push the RECALL button – The display will show the message "rECL" then alternately flash between the last stable weight and the "rECL" message. Press ON/ZERO button to return to normal weighing. Works only with hold function active.

### Features:

#### Tare Function:

Any weight within the scale capacity can be zeroed out by pressing the ON/ZERO button. When the weight is removed, the display flashes the tared weight. Press ON/ZERO button to return to normal weighing.

#### Weighing Function:

Display will blank out until a close range of the weight is reached. With the hold function active, the display will show the stable weight and the "hold" indication. The displayed weight will lock until the weight is removed.

# Scale Features/Operation *continued*

## Weight Hold:

Press and hold the ON/ZERO button and the RECALL button. Display will show "zero" then "h on" or "h off". Release buttons when selection is made. Default setting is "h on".

## Automatic Shut Off:

In AC mode, the indicator will shut off in one hour. In battery mode, the indicator will shut off in one minute.

## Calibration:



- 1) Install fresh 9 volt battery in indicator.
- 2) Unplug indicator's AC adapter from back of indicator.

- 3) Press and hold ON/ZERO button and LG/KG button. The display will change from "zero" to "CAL0" in about 3 seconds.
- 4) With an empty platform press the ON/ZERO button. The indicator will count down from "16" to "1" and display "C50".
- 5) Place a 50 lb. weight on platform and press the ON/ZERO button. The indicator will countdown from "16" to "1". Display will show "50".
- 6) Remove the 50 lb. weight and press the ON/ZERO button. The scale is calibrated and automatically returned to normal weight mode.

- 7) Re-plug AC adapter into indicator.

### Switching from AC to DC:

Unplug the cord from the display. Press the ON/ZERO button to turn indicator on.

### Switching from DC to AC:

Plug the AC adapter into a standard wall socket and the cord into the AC outlet on the back of the display. Press the ON/ZERO button to turn indicator on.

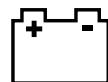
# Troubleshooting

## Indicators:

Messages on the readout indicate operating condition:

OL      Indicates weight on scale exceeds capacity or malfunction of scale display.

OPEN    Indicates malfunctioning of base or cable, or the scale needs to be calibrated.



Indicates batteries are discharged.

## In The Event Of A Problem:

In the event that a problem occurs, a Midmark technician is ready to assist you. In order to save time, please check the following items before calling:

- Does the readout display have a message that indicates what the problem is? Refer to "Indicators" at left for descriptions.
- Check all cables/connections.
- Unplug AC power and battery, then plug-in again to reset the scale.

**Midmark Technical Support: 1-800-643-6275**

# Care & Cleaning

---

The stainless steel components may be cleaned with any commercially available product recommended for use on stainless steel. Frequent cleaning will prolong the life and help maintain the natural luster of the stainless steel.

To prevent scratching, use a soft cloth to clean the scale. If scrubbing is necessary, use a nylon or plastic type scrubber. When cleaning, always rub in the direction of the "grain" of the metal.

To remove minor scratches, we recommend using a 3M ScotchBrite® scouring pad rubbed lightly in the direction of the "grain" of the metal.

**Never use steel wool or steel brushes** when cleaning your stainless steel components. Steel particles may become embedded into the stainless steel and cause rust.

**Avoid use of chlorine bleach for cleaning.** Chlorides, bromides, iodides and thiocyanates will cause pitting, corrosion and discoloration of the metal. If using bleach, clean thoroughly with water to completely remove bleach residue.

**Avoid excessive moisture.**

**The Peninsula™** Folding Lift Table contains electronic components that may be damaged by excessive exposure to moisture. When cleaning or mopping the floor, do not leave the table in standing water.

## Specifications

---

### Dimensions

Exam Surface: 44" x 22"

Exam Height: adjusts 8 1/2" to 40"

Base: 34" x 10 1/2"

Table Top Extended: approx. 60"

Maximum Height: 90" when raised

Lift Capacity: 225 pounds

Scale Capacity (optional): 300 pounds

Scale Accuracy: Within 0.2% at 300 pounds

Electrical: Operates on standard 115 VAC

## ***Product Warranty***

---

This product is warranted for 1 year from the date of delivery to the original purchaser only. If equipped with the Midmark Scale, the scale is warranted for 2 years. Warranty is only applicable if customer complies with all instructions and specifications furnished by Midmark relating to installation, care, and application. Customer agrees that they will not modify, misapply, or misuse product in any manner which deviates from the Midmark instructions. Any repairs, alterations, or services provided by parties other than Midmark or its authorized representatives may void warranty. The buyer is responsible for all freight charges on returned items.

## ***Product Satisfaction Policy***

---

In the event that the customer is not fully satisfied with the products purchased, Midmark may, at its own discretion, arrange for the customer's account to be credited (excluding shipping charges) or replace the product. The customer must notify Midmark of any claim of nonconformity or defect in writing within 30 days from the date of receipt. The product must be returned to Midmark in its original packaging, undamaged and showing no unusual wear within 20 days of the customer's written notice.

To return an item, follow these simple instructions:

- Call Midmark for complete instructions (1-800-643-6275)
- A sales representative will give you a Return Authorization Number
- If a Restocking Fee applies, you will be informed at this time
- Label the boxes with this Return Authorization Number  
(All items must have a Return Authorization Number)
- Return the items, postage/freight prepaid

If necessary, the Midmark sales representative will assist you with freight arrangements.

Note: Custom orders and/or custom colors may not be returned.

### **Midmark Corporation - Carthage Facilities**

1000 Civil War Road  
Area 5  
Carthage, MO 64836  
1-800-643-6275

[www.midmark.com](http://www.midmark.com)



# Stainless Steel Surgery Tables

## V-Top Surgery Tables

### V-Top Surgery Table with Adjustable Electric Column

- Self-contained electric column requires no maintenance
- (Column is covered by full 2-year warranty)
- Full 12" up and down height adjustment
- Electric lift column quietly and smoothly raises and lowers
- Available accessories: table top extension, rail extensions to accommodate larger animals and casters for easy mobility

|             |                        |            |
|-------------|------------------------|------------|
| 100-3041-21 | 50" With Heated Top    | \$3,213.00 |
| 100-3041-01 | 50" Without Heated Top | \$2,788.00 |
| 100-3071-21 | 60" With Heated Top    | \$3,441.00 |
| 100-3071-01 | 60" Without Heated Top | \$2,903.00 |



### V-Top Surgery Table with Adjustable Hydraulic Column

- Self-contained hydraulic column requires no maintenance
- Convenient 6" up and down height adjustment
- Available accessories: table top extension, rail extensions to accommodate larger animals and casters for easy mobility

|             |                        |            |
|-------------|------------------------|------------|
| 100-4041-21 | 50" With Heated Top    | \$2,903.00 |
| 100-4041-00 | 50" Without Heated Top | \$2,436.00 |
| 100-4071-21 | 60" With Heated Top    | \$3,031.00 |
| 100-4071-00 | 60" Without Heated Top | \$2,559.00 |



### V-Top Surgery Table with Pedestal Column

- Available accessories: table top extension, rail extensions to accommodate larger animals and casters for easy mobility

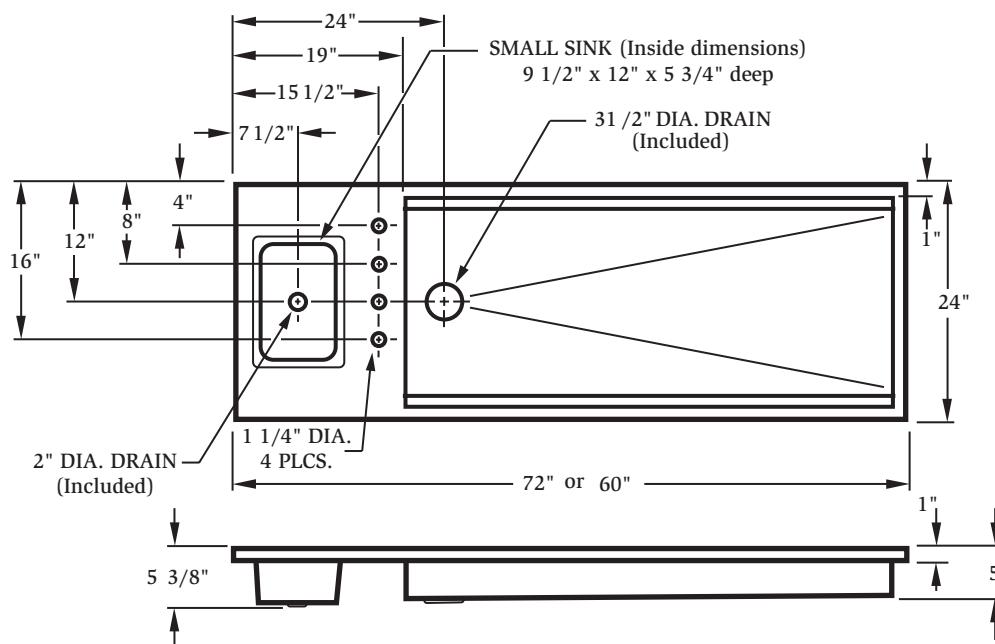
|             |                        |            |
|-------------|------------------------|------------|
| 100-0041-23 | 50" With Heated Top    | \$2,501.00 |
| 100-0041-00 | 50" Without Heated Top | \$2,056.00 |
| 100-0071-21 | 60" With Heated Top    | \$2,628.00 |
| 100-0071-00 | 60" Without Heated Top | \$2,183.00 |



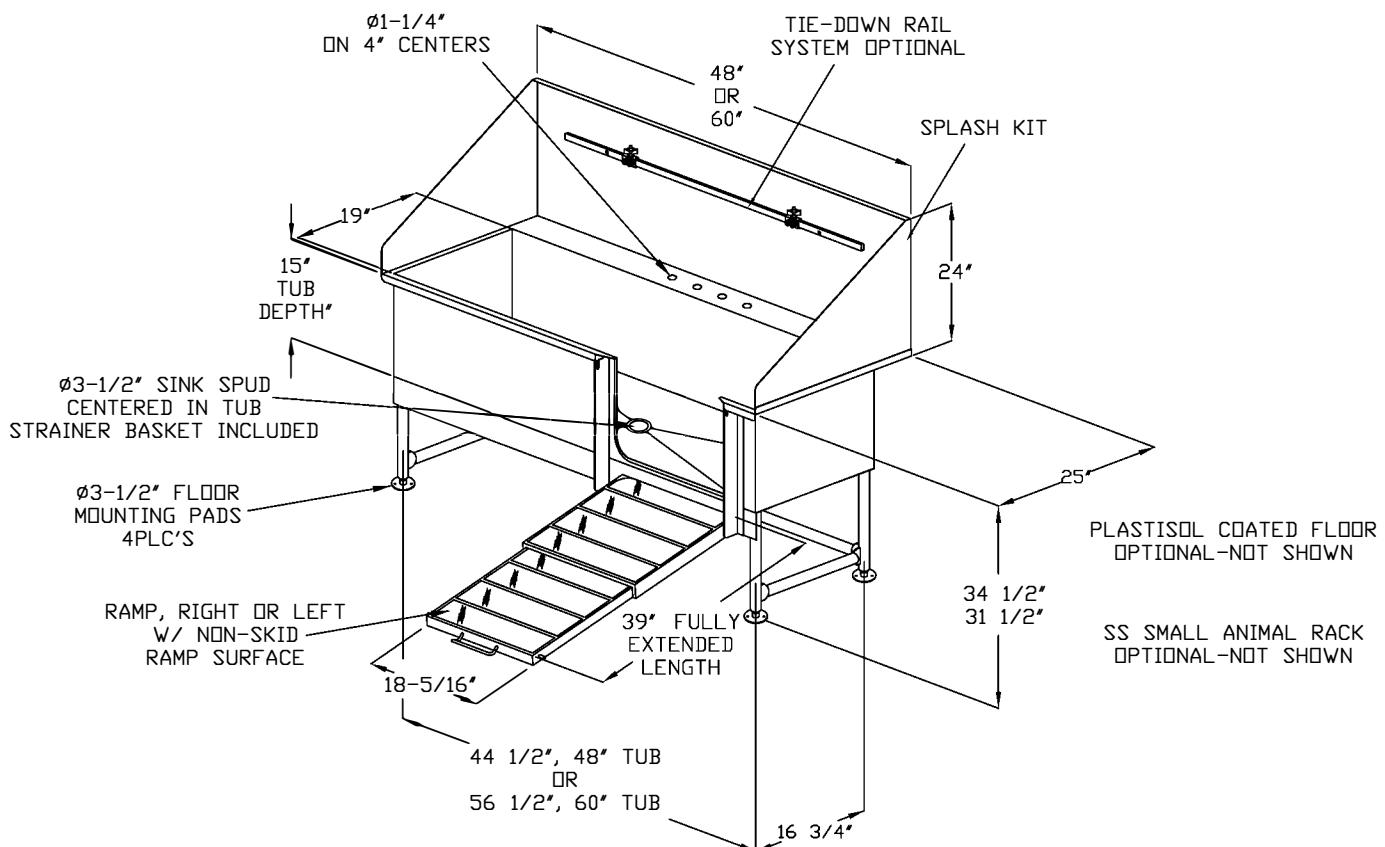
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# Tub Specifications

Note: All dimensions are  $\pm 1/8"$



## 18 GA STAINLESS STEEL GROOMING TUB WITH TELESCOPING RAMP





# Vet Peninsula Table

Model Numbers:

**8003\***

**8004\***

**8007\***

## Service and Parts Manual



FOR USE BY MIDMARK TRAINED TECHNICIANS ONLY

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|  |              | <u>44" Island Table Door &amp; Drawer Assy.</u> .....  | E-23  |
|  |              | <u>59" Island Table Door &amp; Drawer Assy.</u> .....  | E-24  |
|  |              | <u>Drawer Components</u> .....                         | E-25  |
|  |              | <u>Island Tables Door Components</u> .....             | E-26  |
|  |              | <u>Door Components</u> .....                           | E-27  |
|  |              | <u>Shelves</u> .....                                   | E-28  |
|  |              | <u>Plumbing Components</u> .....                       | E-29* |

## Linked Files

(\* ) Indicates multiple pages due to model / serial number break(s).

# General Information

## Symbols

**DANGER**

*Indicates an imminently hazardous situation which will result in serious or fatal injury if not avoided.  
This symbol is used only the most extreme conditions.*

**WARNING**

*Indicates a potentially hazardous situation which could result in serious injury if not avoided.*

**Caution**

*Indicates a potentially hazardous situation which may result in minor or moderate injury if not avoided. It may also be used to alert against unsafe practices*

**Equipment Alert**

*Indicates a potentially hazardous situation which could result in equipment damage if not avoided.*

**Note**

*Used for special instructions or additional information.*

The symbols below may be used in this manual to represent the operational status of table functions and components.



*Indicates the function / component is working properly.  
No action required.*



*Indicates the function / component is working, but a problem exists.*



*Indicates the function is not working at all, or that the component is faulty.*

## Ordering Parts

**The following information is required when ordering parts:**

- Serial number & model number
- Part number for desired part  
(Refer to Section E: Exploded Views & Parts Lists)

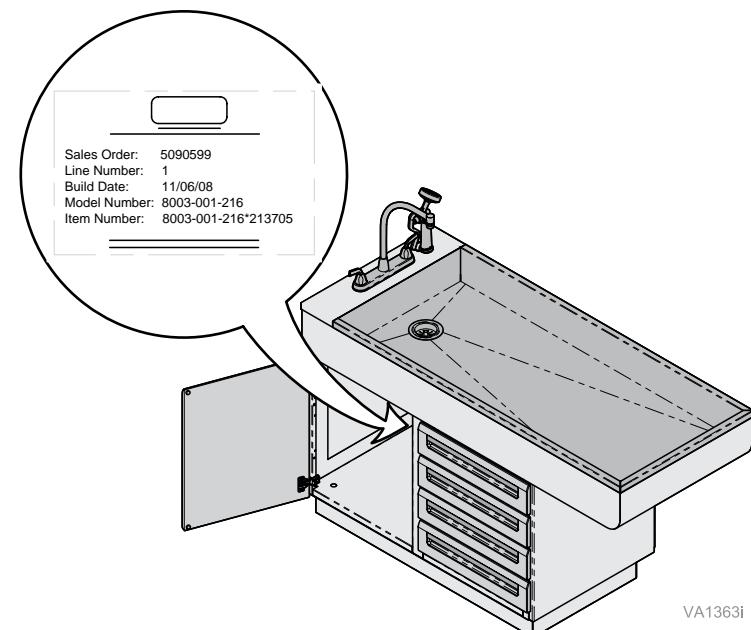
**Non-warranty parts orders may be faxed to Midmark using the Fax Order Form in the back of this manual.**

**For warranty parts orders, call Midmark's Technical Service Department with the required information.**

Hours: 8:00 am to 5:00 p.m. EST (Monday thru Friday)

Phone: 1-800-Midmark (1-800-643-6275)

## Serial Number Location

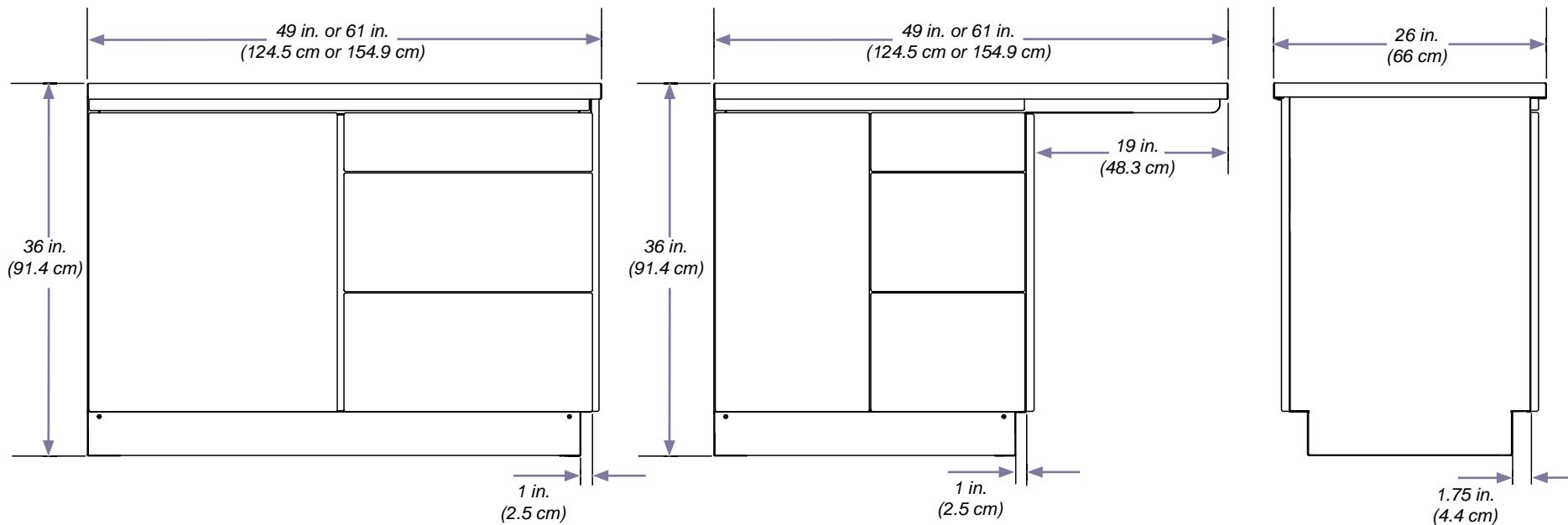


VA1363i

## Weights & Dimensions

### 8007 Dry Table

| 8007 48" Dry Table     |                      | 8007 48" Dry Table w/ Overhang |                      |
|------------------------|----------------------|--------------------------------|----------------------|
| <b>Width</b>           | 26 inches (66 cm)    | <b>Width</b>                   | 26 inches (66 cm)    |
| <b>Length</b>          | 49 inches (124.5 cm) | <b>Length</b>                  | 49 inches (124.5 cm) |
| <b>Height</b>          | 36 inches (91.4 cm)  | <b>Height</b>                  | 36 inches (91.4 cm)  |
| <b>Weight</b>          | 225 lbs (102.1 kg)   | <b>Weight</b>                  | 205 lbs (93 kg)      |
| <b>Shipping Weight</b> | 265 lbs (120.2 kg)   | <b>Shipping Weight</b>         | 245 lbs (111.1 kg)   |
| 8007 60" Dry Table     |                      | 8007 60" Dry Table w/ Overhang |                      |
| <b>Width</b>           | 26 inches (66 cm)    | <b>Width</b>                   | 26 inches (66 cm)    |
| <b>Length</b>          | 61 inches (154.9 cm) | <b>Length</b>                  | 61 inches (154.9 cm) |
| <b>Height</b>          | 36 inches (91.4 cm)  | <b>Height</b>                  | 36 inches (91.4 cm)  |
| <b>Weight</b>          | 290 lbs (131.5 kg)   | <b>Weight</b>                  | 230 lbs (104.3 kg)   |
| <b>Shipping Weight</b> | 330 lbs (149.7 kg)   | <b>Shipping Weight</b>         | 270 lbs (122.5 kg)   |



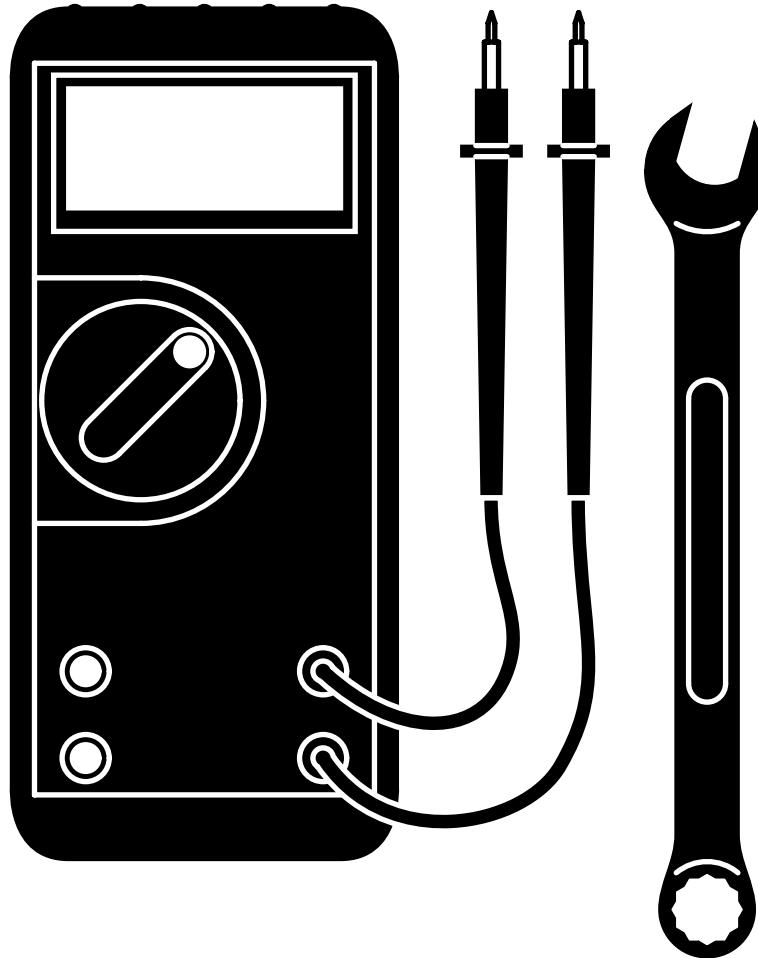
## Cleaning and Maintenance

| Interval            | Inspection / Service | Description   |
|---------------------|----------------------|---|
| After Each Use      | Cleaning             | Clean stainless steel tub with a mild cleaning agent and rinse thoroughly and towel dry. Commercial cleaners need to be approved for use on stainless steel surfaces. Only use nylon or plastic bristle scrubbers when needed. Using steel wool or steel brush may cause steel particles to embed into surface causing rust.<br>(Note: When using scrubbers always scrub with the grain of the steel) |
|                     |                      | Clean debris trap after each use from hair and any other debris.  |
| Weekly              | Cleaning             | Wipe painted metal & plastic surfaces with a clean soft cloth and mild cleaner.<br>(Note: Periodic application of common furniture wax will ease cleaning and maintain the luster of the surfaces).   |
|                     | Obvious Damage       | Visually inspect components for damage to ensure they are functioning properly.   |
|                     |                      |   |
|                     |                      |   |
|                     |                      |   |
|                     |                      |   |
|                     |                      |   |
|                     |                      |   |
|                     |                      |   |
| Date of Service:    | Model Number:        |   |
| Location:           | Serial Number:       |   |
| Service Technician: | Notes:               |   |

# Section B

## *Testing & Adjustments*

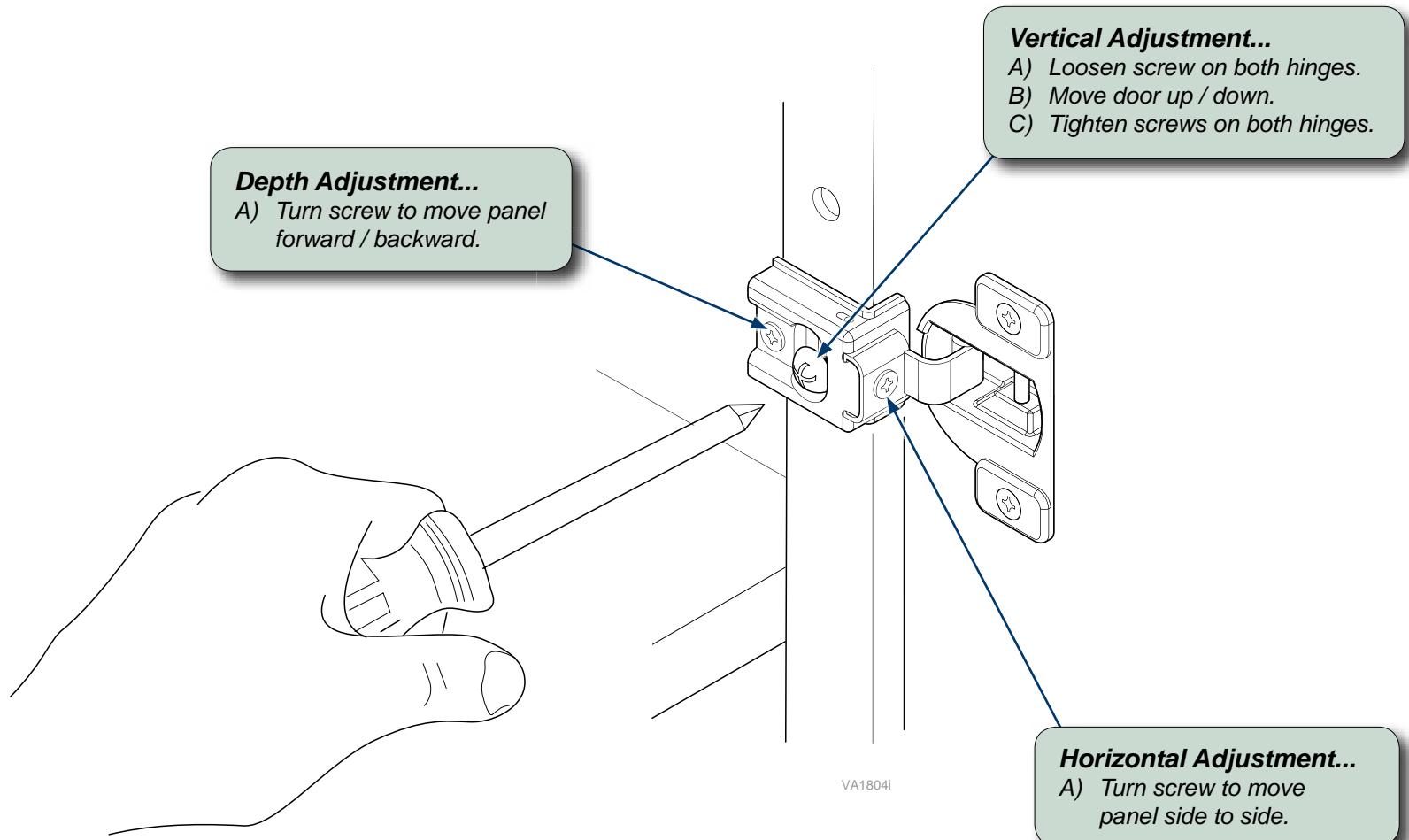
[Door Adjustment](#).....B-2



# Component Testing & Repair

## Doors

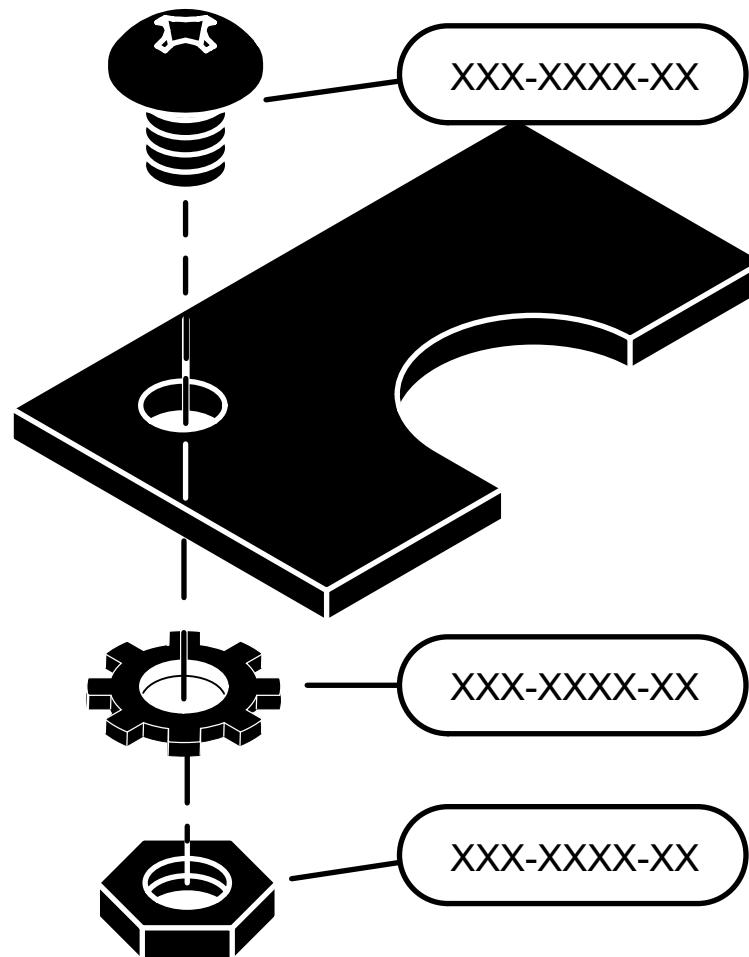
### Door Adjustment

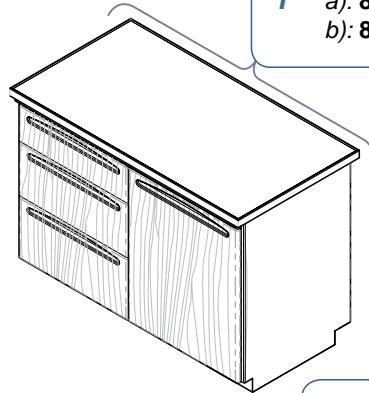


# Section

# Exploded Views & Parts Lists

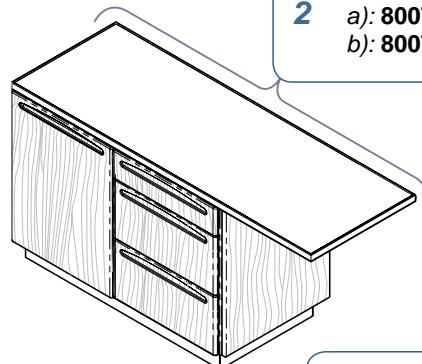
|                                |     |
|--------------------------------|-----|
| <u>48" Wet Peninsula</u> ..... | E-2 |
| <u>60" Wet Peninsula</u> ..... | E-3 |
| <u>48" Dry</u> .....           | E-4 |
| <u>60" Dry</u> .....           | E-5 |
| <u>44" Island Table</u> .....  | E-6 |
| <u>59" Island Table</u> .....  | E-7 |



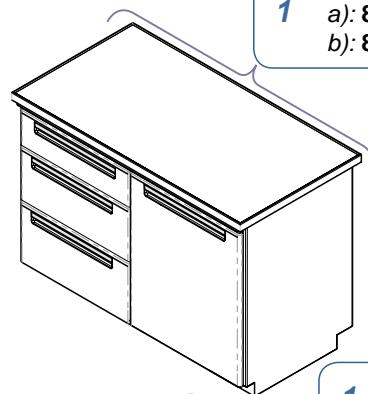


**1** a): 8007-001-00-xxx-xxx  
b): 8007-002-00-xxx-xxx

*Integrated Handle*

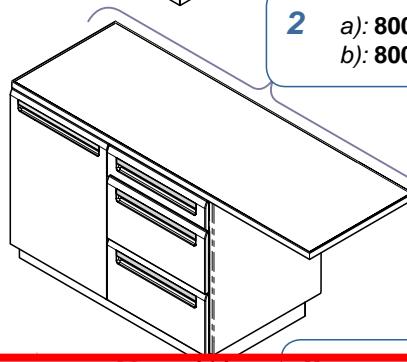


**2** a): 8007-003-00-xxx-xxx  
b): 8007-004-00-xxx-xxx

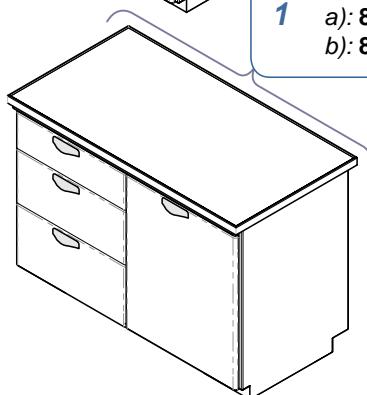


**1** a): 8007-001-01-xxx-xxx  
b): 8007-002-01-xxx-xxx

*Snap-on Handle*

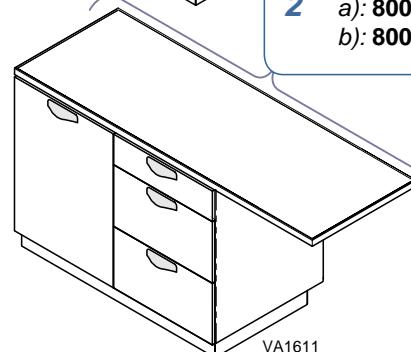


**2** a): 8007-003-01-xxx-xxx  
b): 8007-004-01-xxx-xxx



**1** a): 8007-001-02-xxx-xxx  
b): 8007-002-02-xxx-xxx

*Ritter*



VA1611

**48" Dry Table Models**

| Item | Description  | Qty. |
|------|--|------|
| 1    | 8007<br>a) -001 (RH Dry Pen w/o OH)<br>RH Door (24")<br>1-4" Drawer (24") & 2-8" Drawers (24")<br><br>b) -002 48" (LH Dry Pen w/o OH)<br>LH Door (24")<br>1-4" Drawer (24") & 2-8" Drawers (24") | 1    |
| 2    | 8007<br>a) -003 (RH Dry Pen w/OH)<br>RH Door (15")<br>1-4" Drawer (15") & 2-8" Drawers (15")<br><br>b) -004 (LH Dry Pen w/OH)<br>LH Door (15")<br>1-4" Drawer (15") & 2-8" Drawers (15")         | 1    |

**Models:**

**8007-001\***

**8007-002\***

**8007-003\***

**8007-004\***

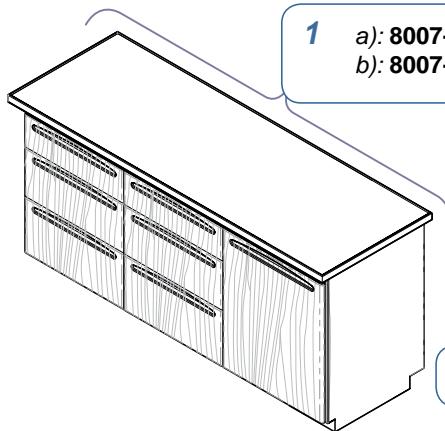
**Serial Numbers:**

**all**

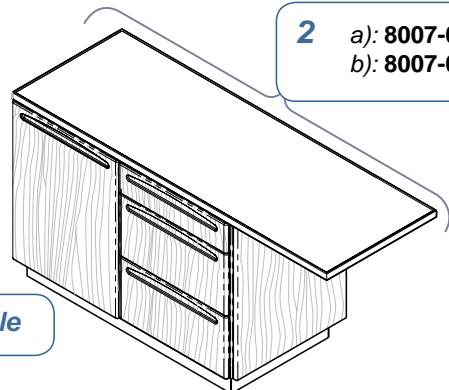
**all**

**all**

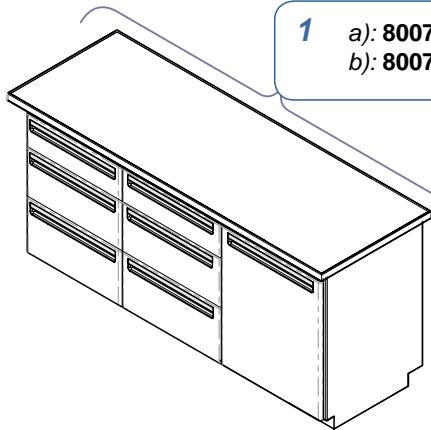
**all**



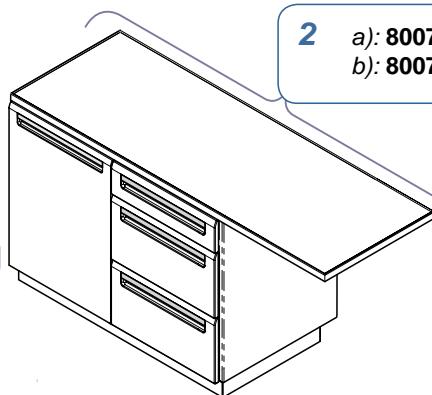
*Integrated Handle*



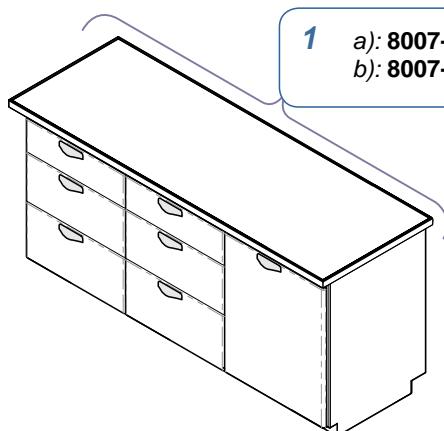
**2**  
a): 8007-007-00-xxx  
b): 8007-008-00-xxx



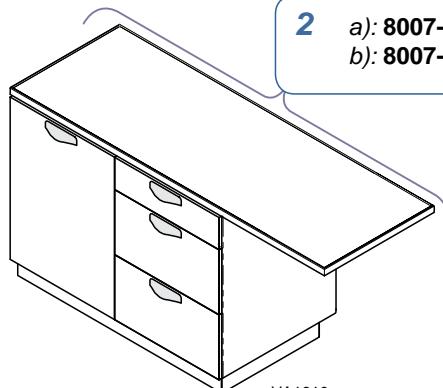
*Snap-on Handle*



**2**  
a): 8007-007-01-xxx  
b): 8007-008-01-xxx



*Ritter*

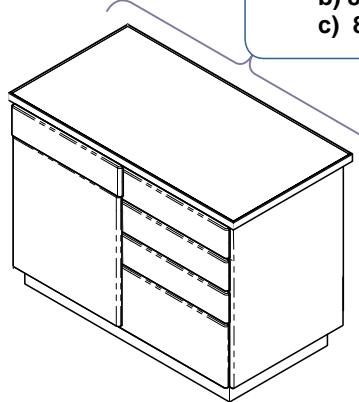


VA1610

|                        |                  |                  |                  |                  |
|------------------------|------------------|------------------|------------------|------------------|
| <b>Models:</b>         | <b>8007-005*</b> | <b>8007-006*</b> | <b>8007-007*</b> | <b>8007-008*</b> |
| <b>Serial Numbers:</b> | all              | all              | all              | all              |

#### 60" Dry Table Models

| Item | Description  | Qty. |
|------|--|------|
| 1    | 8007<br>a) -005 (RH Dry Pen w/o OH)<br>RH Door (21")<br>1-4" Drawer (21") & 2-8" Drawers (21")<br>1-4" Drawer (18") & 2-8" Drawers (18")   | 1    |
| 2    | b) -006 (LH Dry Pen w/o OH)<br>LH Door (21")<br>1-4" Drawer (21") & 2-8" Drawers (21")<br>1-4" Drawer (18") & 2-8" Drawers (18")   | 1    |
| 2    | 8007<br>a) -007 (RH Dry Pen w/OH)<br>RH Door (21")<br>1-4" Drawer (21") & 2-8" Drawers (21")<br>b) -008 (LH Dry Pen w/OH)<br>LH Door (21")<br>1-4" Drawer (21") & 2-8" Drawers (21") | 1    |

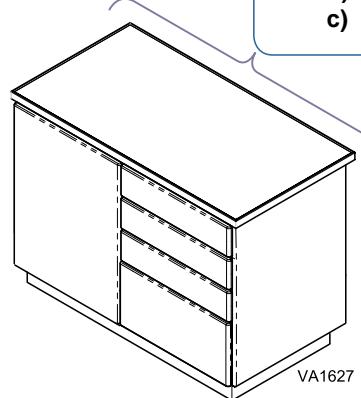


**1**

- a) 8004-002-00-xxx-xxx
- b) 8004-002-01-xxx-xxx
- c) 8004-002-02-xxx-xxx

*Not Shown*

- a) 8004-001-00-xxx-xxx
- b) 8004-001-01-xxx-xxx
- c) 8004-001-02-xxx-xxx

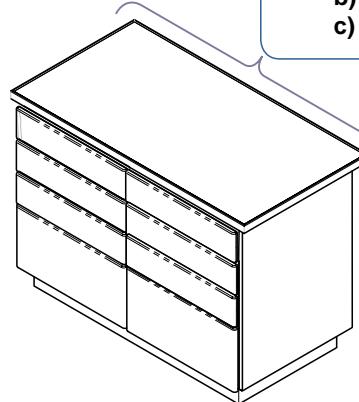


**2**

- a) 8004-004-00-xxx-xxx
- b) 8004-004-01-xxx-xxx
- c) 8004-004-02-xxx-xxx

*Not Shown*

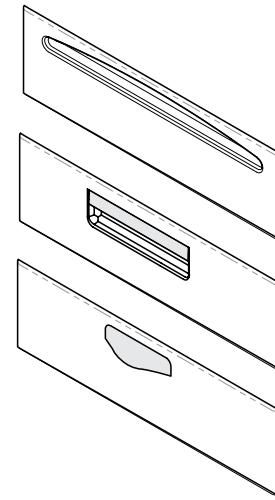
- a) 8004-003-00-xxx-xxx
- b) 8004-003-01-xxx-xxx
- c) 8004-003-02-xxx-xxx



**3**

- a) 8004-005-00-xxx-xxx
- b) 8004-005-01-xxx-xxx
- c) 8004-005-02-xxx-xxx

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**a) Integrated Handle**

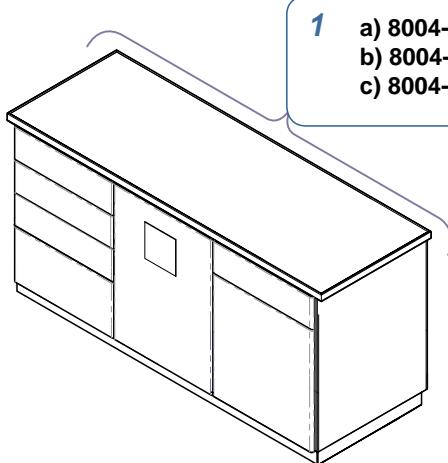
**b) Snap-on Handle**

**c) Ritter**

**44" Island Exam Table Models w/SS Top**

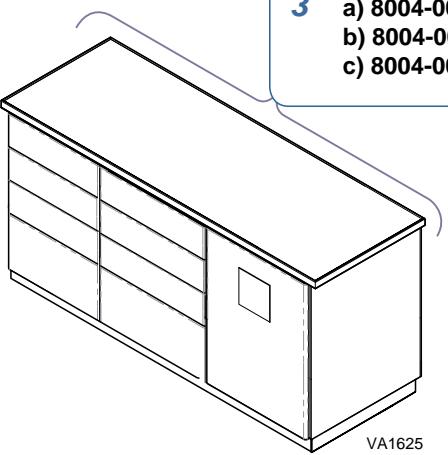
| Item | Description  | Qty. |
|------|--|------|
| 1    | 8004-002-xx-xxx-xxx<br>1 - 4" drawer, LH Door<br>3 - 4" Drawers, 1 - 8" Drawer<br>a) Wood Grain (Integrated Handle)<br>b) Midmark (Snap-on Handle)<br>c) Ritter        | 1    |
|      | 8004-001-xx-xxx-xxx<br>3 - 4" Drawers, 1 - 8" Drawer<br>1 - 4" drawer, RH Door<br>a) Wood Grain (Integrated Handle)<br>b) Midmark (Snap-on Handle)<br>c) Ritter        | 1    |
| 2    | 8004-004-xx-xxx-xxx<br>LH Door<br>3 - 4" Drawers, 1 - 8" Drawer<br>a) Wood Grain (Integrated Handle)<br>b) Midmark (Snap-on Handle)<br>c) Ritter                       | 1    |
|      | 8004-003-xx-xxx-xxx<br>RH Door<br>3 - 4" Drawers, 1 - 8" Drawer<br>a) Wood Grain (Integrated Handle)<br>b) Midmark (Snap-on Handle)<br>c) Ritter                       | 1    |
| 3    | 8004-005-xx-xxx-xxx<br>3 - 4" Drawers, 1 - 8" Drawer<br>3 - 4" Drawers, 1 - 8" Drawer<br>a) Wood Grain (Integrated Handle)<br>b) Midmark (Snap-on Handle)<br>c) Ritter | 1    |

|                        |                  |                  |                  |                  |                  |  |
|------------------------|------------------|------------------|------------------|------------------|------------------|--|
| <b>Models:</b>         | <b>8004-001*</b> | <b>8004-002*</b> | <b>8004-003*</b> | <b>8004-004*</b> | <b>8004-005*</b> |  |
| <b>Serial Numbers:</b> | <i>all</i>       | <i>all</i>       | <i>all</i>       | <i>all</i>       | <i>all</i>       |  |



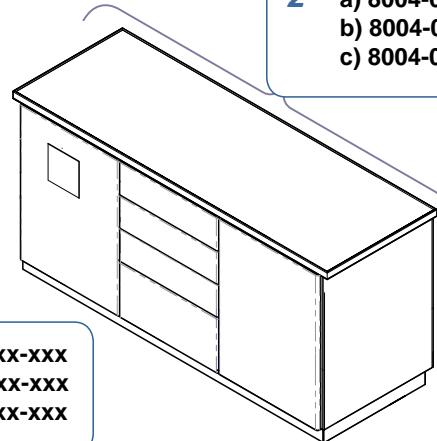
**1**

- a) 8004-006-00-xxx-xxx
- b) 8004-006-01-xxx-xxx
- c) 8004-006-02-xxx-xxx



**2**

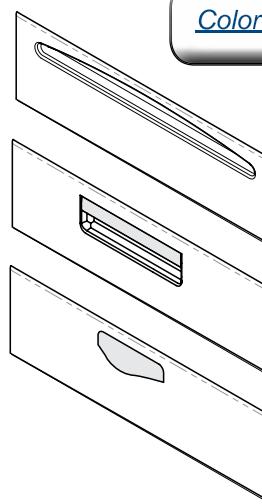
- a) 8004-007-00-xxx-xxx
- b) 8004-007-01-xxx-xxx
- c) 8004-007-02-xxx-xxx



**3**

- a) 8004-008-00-xxx-xxx
- b) 8004-008-01-xxx-xxx
- c) 8004-008-02-xxx-xxx

VA1625



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Order  Medical and Animal Health Parts Online

**a) Integrated Handle**

**b) Snap-on Handle**

**c) Ritter**

#### 59" Island Exam Table Models

| Item | Description   | Qty. |
|------|---|------|
| 1    | 59" Island w/SS Top<br>3 - 4" Drawers, 1 - 8" Drawer<br>LH Door w/ Trash Chute<br>1 - 4" drawer, RH Door<br>a) Wood Grain (Integrated Handle)<br>b) Midmark (Snap-on Handle)<br>c) Ritter       | 1    |
| 2    | 59" Island w/SS Top<br>LH Door w/ Trash Chute<br>3 - 4" Drawers, 1 - 8" Drawer<br>RH Door<br>a) Wood Grain (Integrated Handle)<br>b) Midmark (Snap-on Handle)<br>c) Ritter                      | 1    |
| 3    | 59" Island w/SS Top<br>3 - 4" Drawers, 1 - 8" Drawer<br>3 - 4" Drawers, 1 - 8" Drawer<br>RH Door w/Trash Chute<br>a) Wood Grain (Integrated Handle)<br>b) Midmark (Snap-on Handle)<br>c) Ritter | 1    |

**Models:** 8004-006-xx-xxx

8004-007-xx-xxx

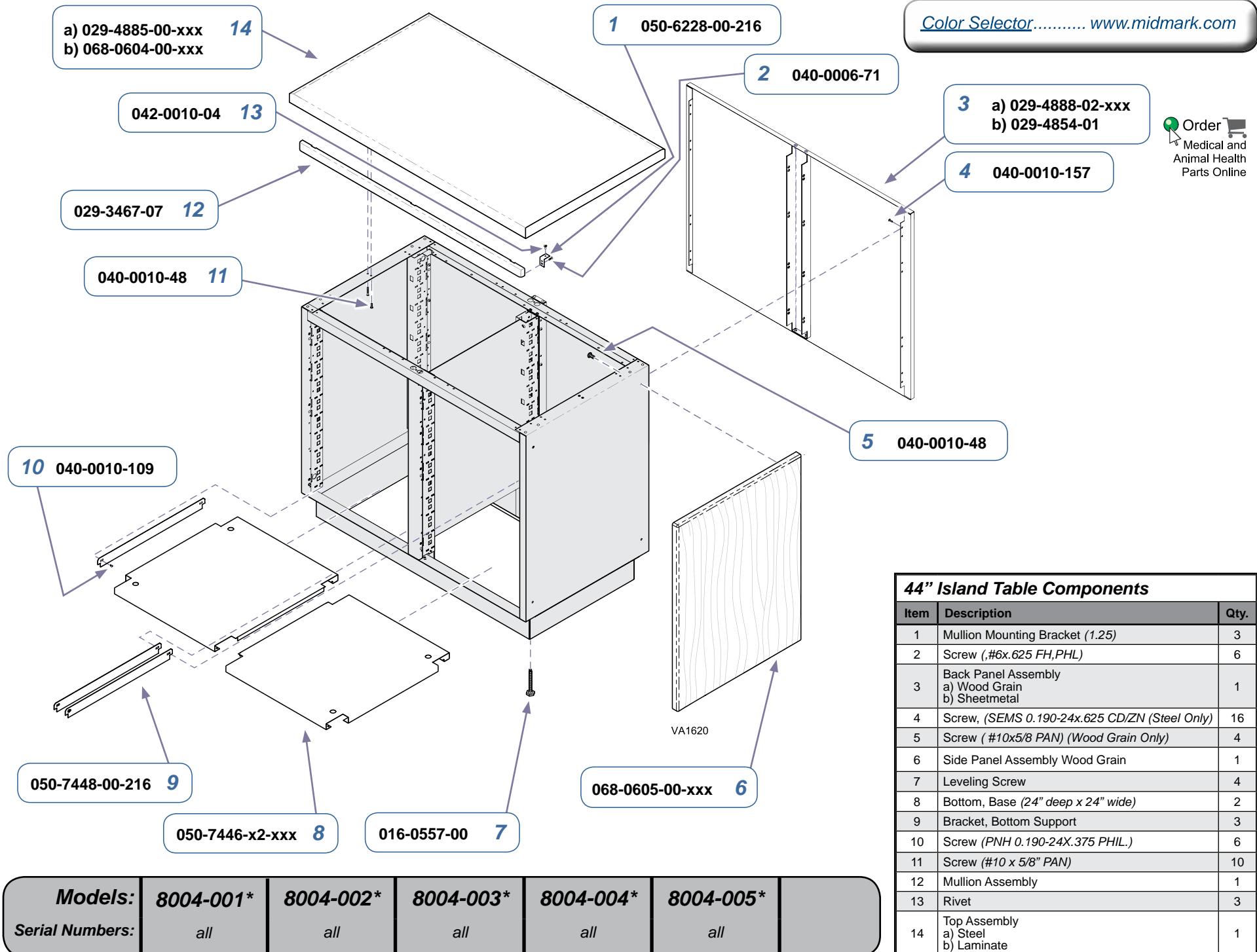
8004-008-xx-xxx

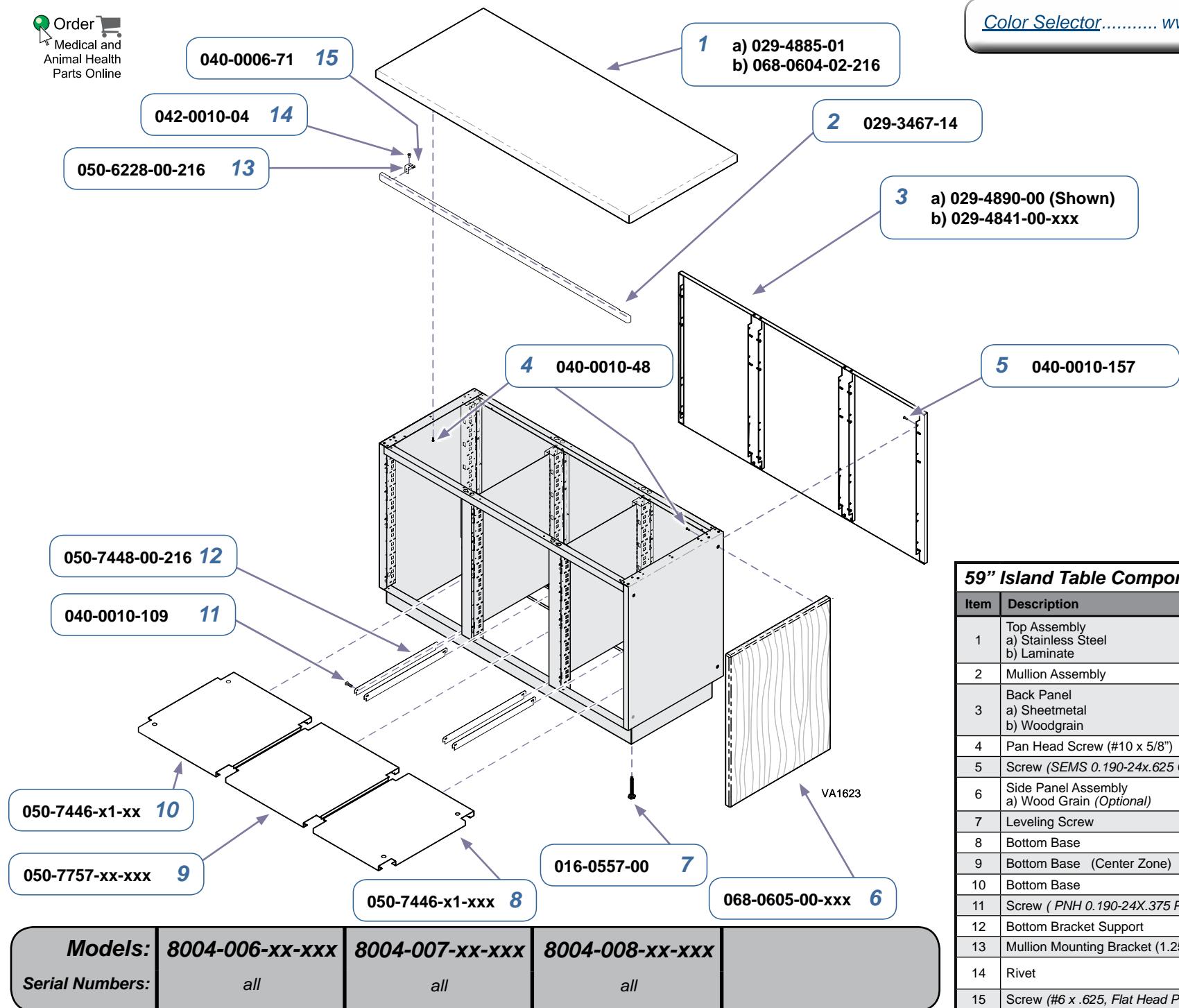
**Serial Numbers:**

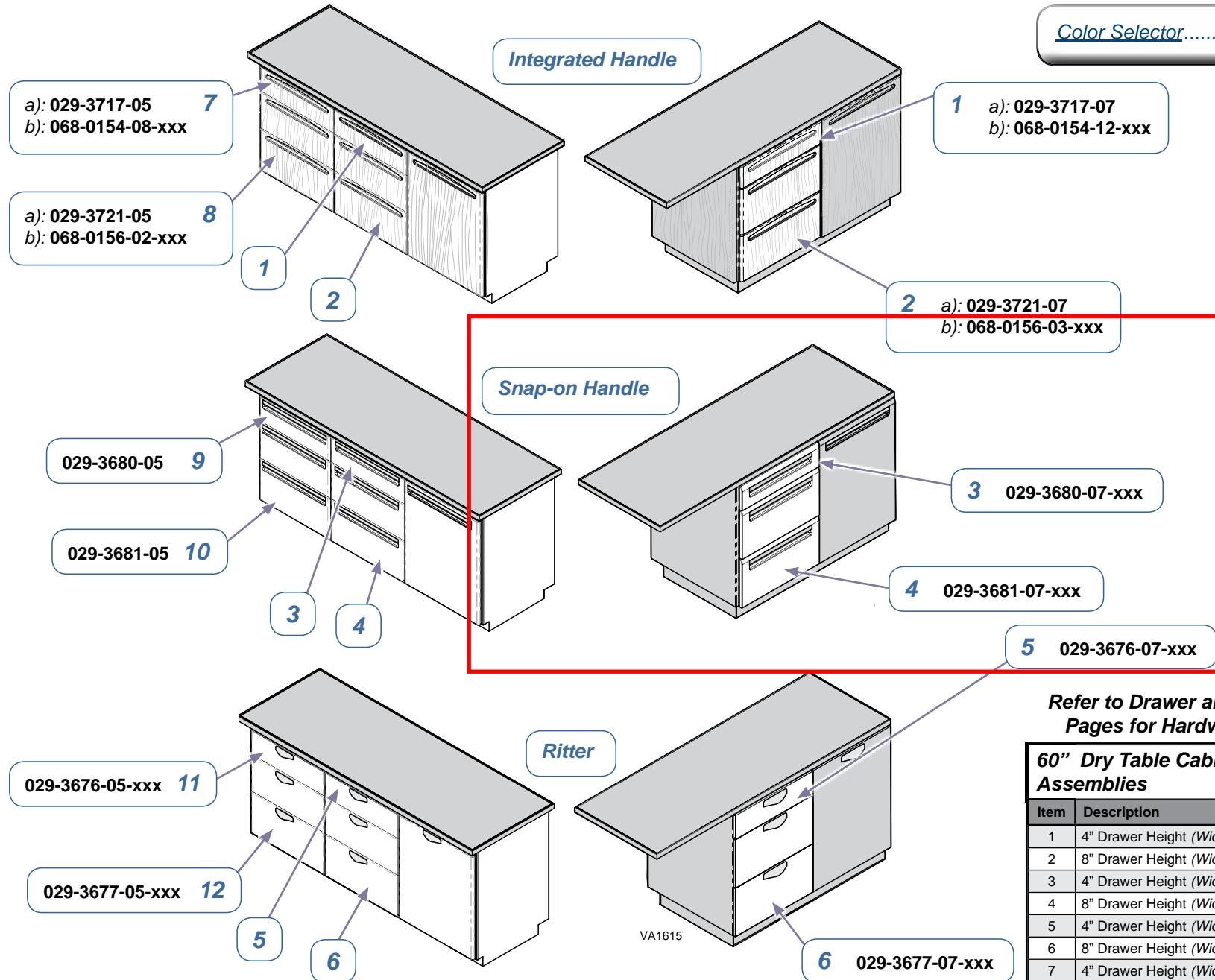
all

all

all





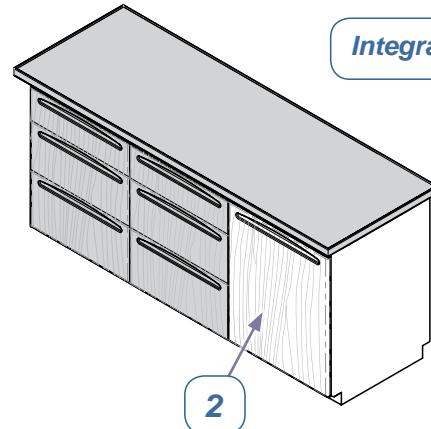


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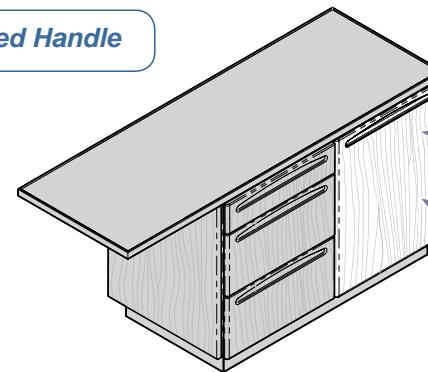
Order Medical and Animal Health Parts Online

|                        |                  |                  |                  |                  |
|------------------------|------------------|------------------|------------------|------------------|
| <b>Models:</b>         | <b>8007-005*</b> | <b>8007-006*</b> | <b>8007-007*</b> | <b>8007-008*</b> |
| <b>Serial Numbers:</b> | all              | all              | all              | all              |

| <b>60" Dry Table Cabinet Drawer Assemblies</b> |  | <b>Qty.</b> |
|--|--|-------------|
| 1  | 4" Drawer Height (Width - 21") (Depth - 24") | AR          |
| 2  | 8" Drawer Height (Width - 21") Depth - 24")  | AR          |
| 3  | 4" Drawer Height (Width - 21") (Depth - 24") | AR          |
| 4  | 8" Drawer Height (Width - 21") Depth - 24")  | AR          |
| 5  | 4" Drawer Height (Width - 21") (Depth - 24") | AR          |
| 6  | 8" Drawer Height (Width - 21") Depth - 24")  | AR          |
| 7  | 4" Drawer Height (Width - 18") (Depth - 24") | AR          |
| 8  | 8" Drawer Height (Width - 18") Depth - 24")  | AR          |
| 9  | 4" Drawer Height (Width - 18") (Depth - 24") | AR          |
| 10   | 8" Drawer Height (Width - 18") Depth - 24")  | AR          |
| 11   | 4" Drawer Height (Width - 18") (Depth - 24") | AR          |
| 12   | 8" Drawer Height (Width - 18") Depth - 24")  | AR          |



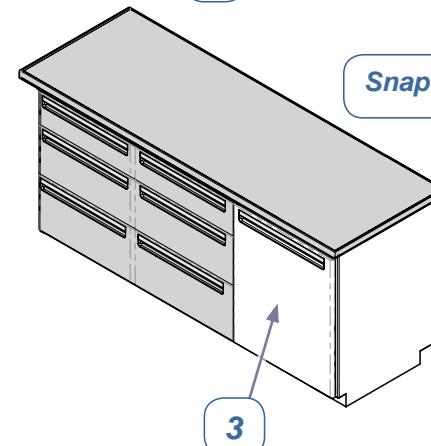
Integrated Handle



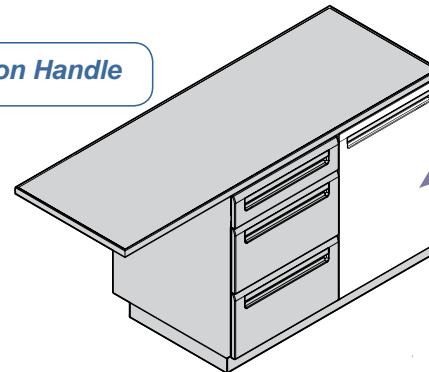
[Color Selector..... www.midmark.com](http://www.midmark.com)

1 068-0154-15-xxx

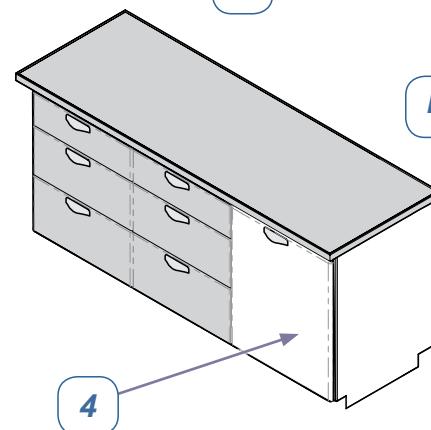
2 a) 029-3716-23  
b) 029-3716-22



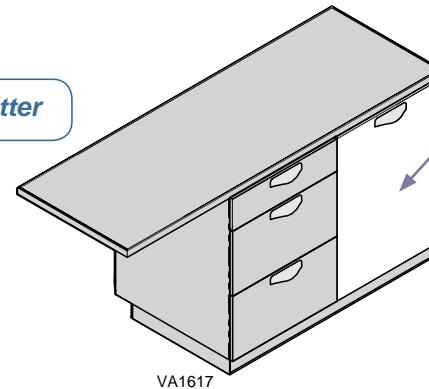
Snap-on Handle



3 a) 029-3697-23  
b) 029-3697-22



Ritter

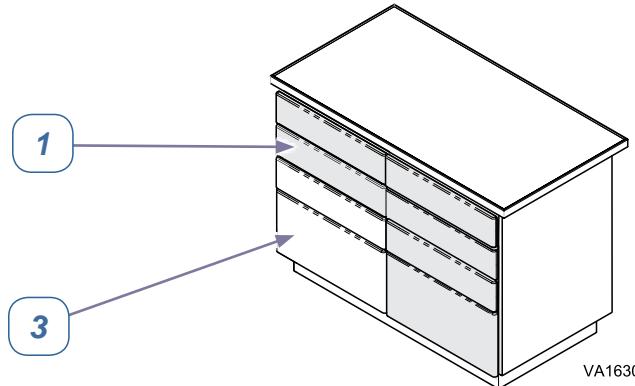
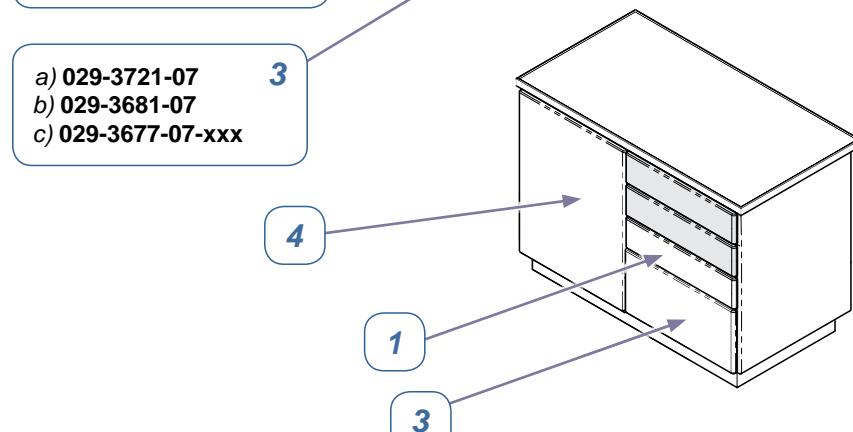
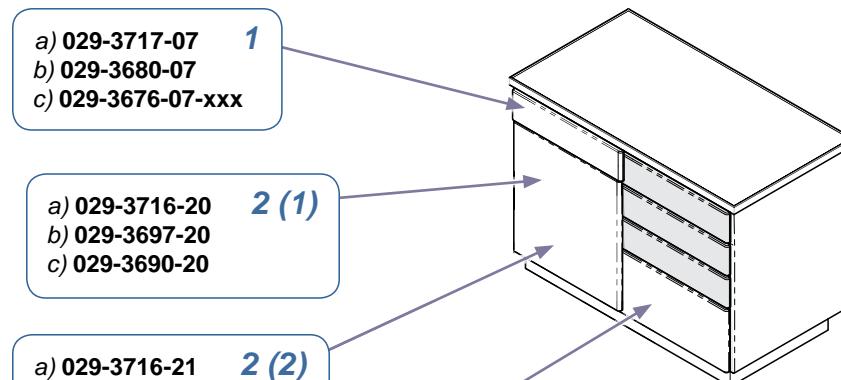


4 a) 029-3690-23  
b) 029-3690-22

Refer to Drawer and Door Component  
Pages for Hardware Part Numbers

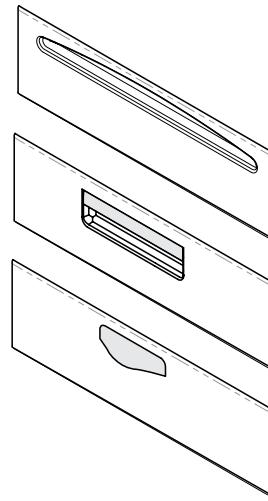
| 60" Dry Table Door Assemblies |  |      |
|-------------------------------|--|------|
| Item                          | Description  | Qty. |
| 1                             | 21" Wood Grain Door Assembly                       | 1    |
| 2                             | a) 21" RH Door Assembly<br>b) 21" LH Door Assembly | 1    |
| 3                             | a) 21" RH Door Assembly<br>b) 21" LH Door Assembly | 1    |
| 4                             | a) 21" RH Door Assembly<br>b) 21" LH Door Assembly | 1    |

|                        |                  |                  |                  |                  |
|------------------------|------------------|------------------|------------------|------------------|
| <b>Models:</b>         | <b>8007-005*</b> | <b>8007-006*</b> | <b>8007-007*</b> | <b>8007-008*</b> |
| <b>Serial Numbers:</b> | all              | all              | all              | all              |



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 Order   
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Animal Health  
Parts Online



**a) Integrated Handle**

**b) Snap-on Handle**

**c) Ritter**

**Refer to Drawer and Door Component  
Pages for Hardware Part Numbers**

**44" Island Exam Table  
Door and Drawer Assemblies**

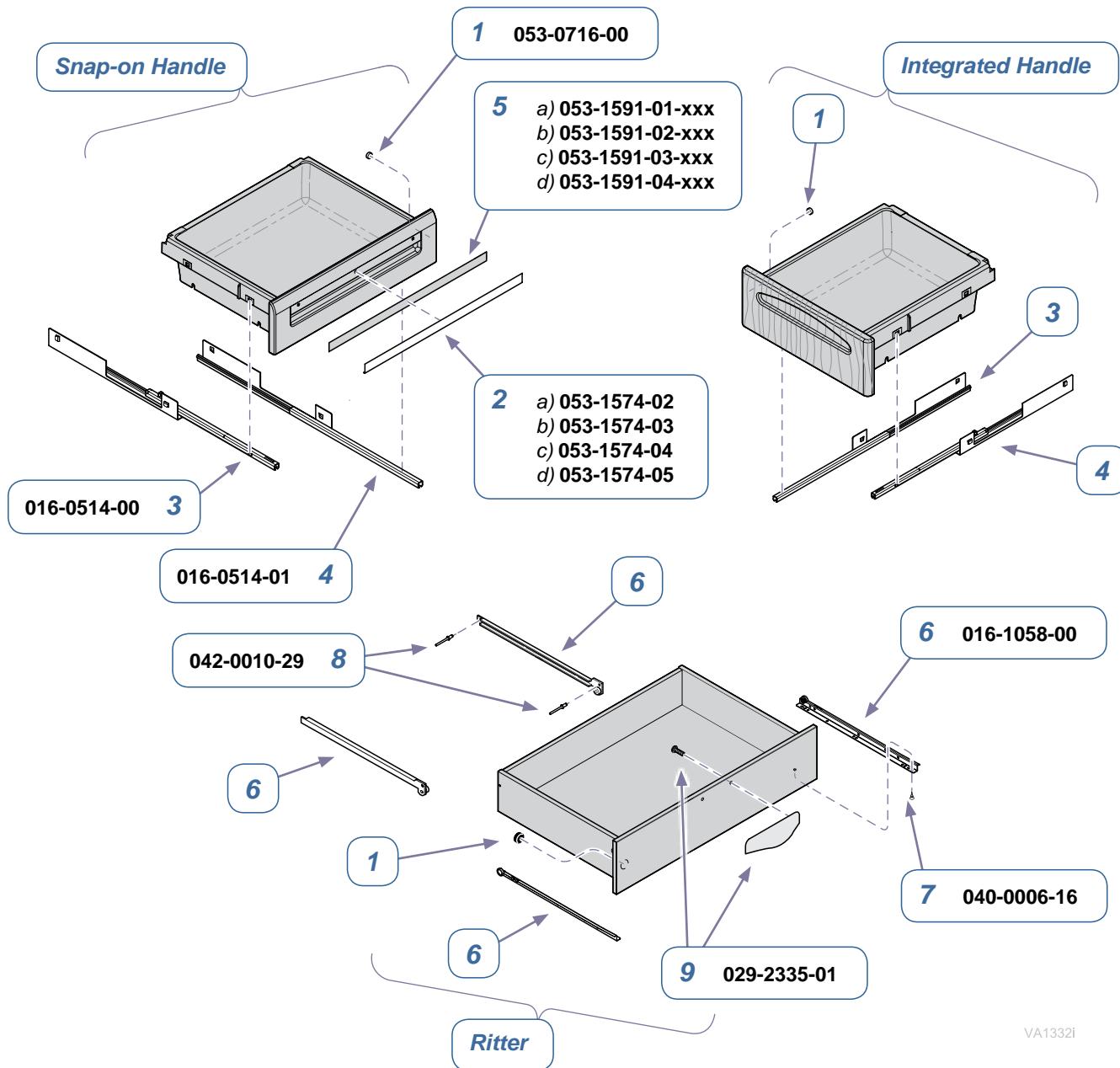
| Item | Description  | Qty. |
|------|--|------|
| 1    | 4" Drawer Height (Width - 21") (Depth-24")   | AR   |
| 2    | 2 (1) LH Short Door Assembly<br>(Height - ) Width - 18") (Depth - 24")<br>2 (2) RH Short Door Assembly<br>(Height - ) Width - 18") (Depth - 24") | AR   |
| 3    | 8" Drawer Height (Width - 21") (Depth-24")   | REF  |
| 4    | 21" Door Assembly<br>Ref Door Components (Island Tables)   | AR   |

\*Note - For Drawer Hardware Refer to Drawer Components  
For Short Door Hardware Refer to Door Components

**Models:** 8004-001\* 8004-002\* 8004-003\* 8004-004\* 8004-005\*

**Serial Numbers:** all all all all

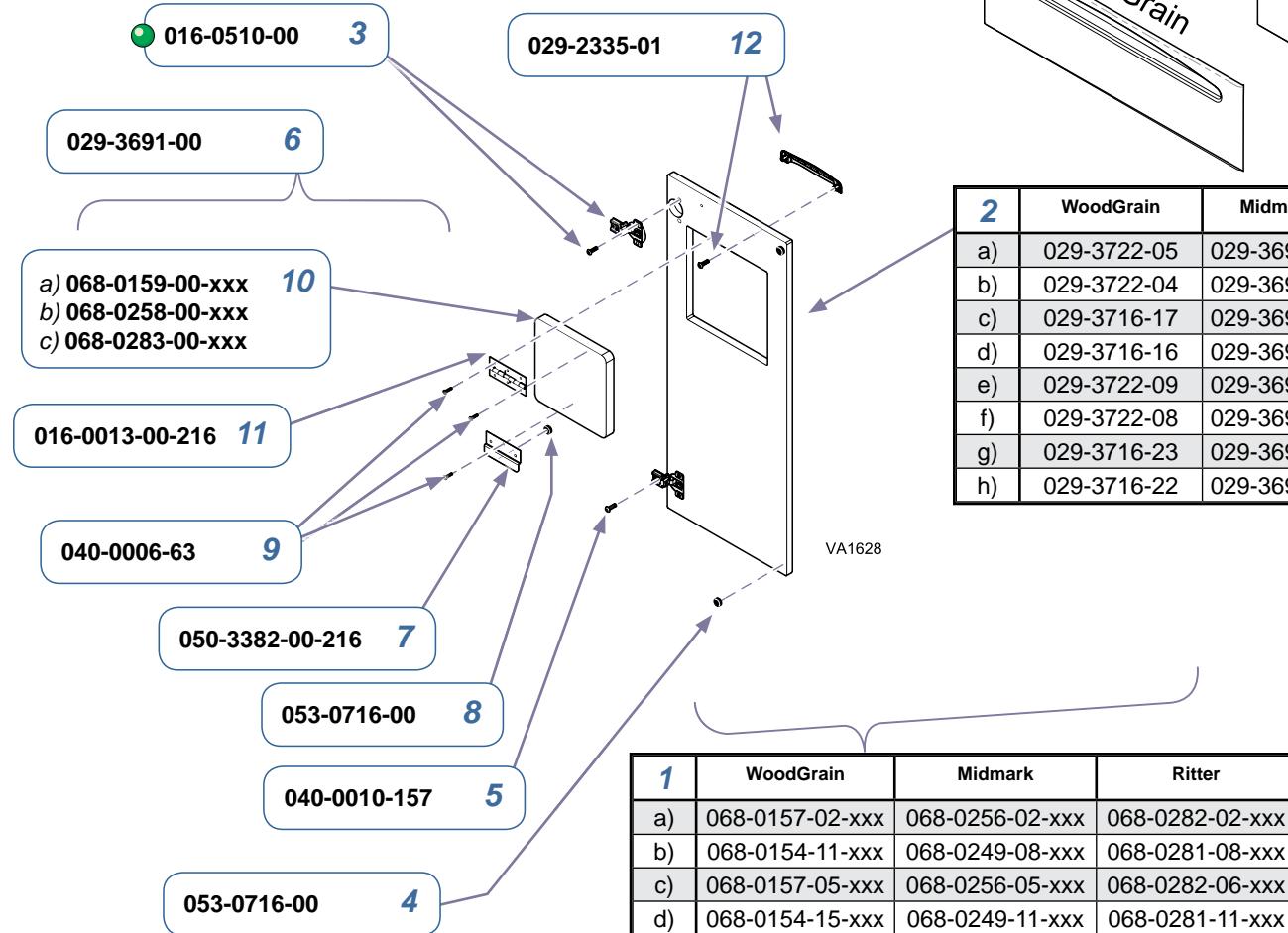




**Models:**  
All

**Serial Numbers:**  
all

| Drawer Components |  |      |
|-------------------|--|------|
| Item              | Description  | Qty. |
| 1                 | Bumper<br>(included w/ drawer assembly number)   | 2    |
| 2                 | Clear Handle Cover<br>a) 15" drawer width<br>b) 18" drawer width<br>c) 21" drawer width<br>d) 24" drawer width<br>(included w/ drawer assembly number) | 1    |
| 3                 | L.H. Slide (24" drawer depth)  | 1    |
| 4                 | R.H. Slide (24" drawer depth)  | 1    |
| 5                 | Color Insert (specify color)<br>a) 15" drawer width<br>b) 18" drawer width<br>c) 21" drawer width<br>d) 24" drawer width                               | 1    |
| 6                 | Slide Set (24" drawer depth)<br>(1 complete set, incl. screws Item 7)<br>(set incl. w/ Ritter drawer assy. number ONLY)                                | 1    |
| 7                 | Screws (#6 x 1/2" Flat Head)   | 1    |
| 8                 | Rivet  | 4    |
| 9                 | Handle Assembly Set (incl. screws) (Ritter ONLY)   | 1    |



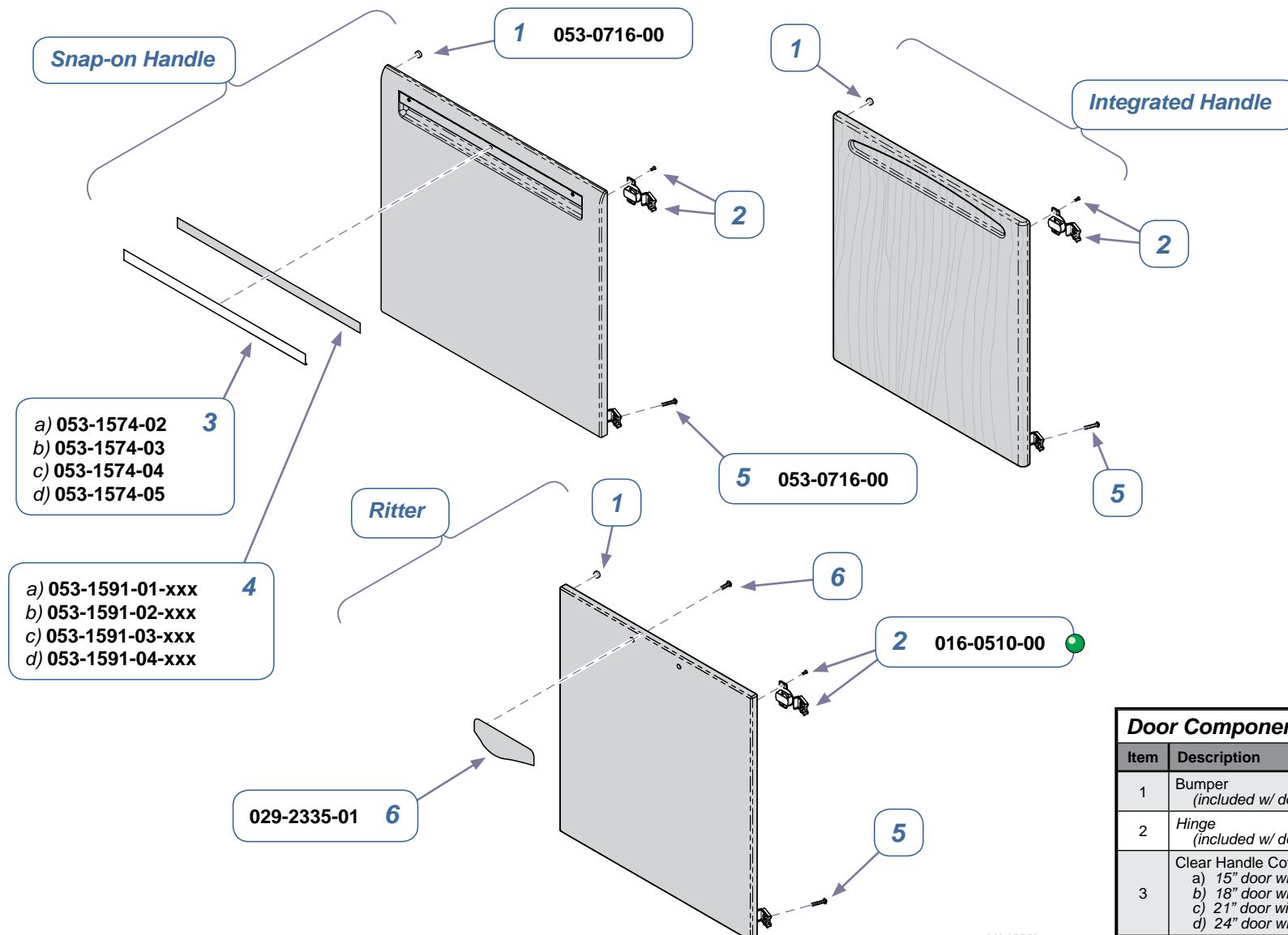
| 2  | WoodGrain   | Midmark     | Ritter      |
|----|-------------|-------------|-------------|
| a) | 029-3722-05 | 029-3699-05 | 029-3692-05 |
| b) | 029-3722-04 | 029-3699-04 | 029-3692-04 |
| c) | 029-3716-17 | 029-3697-17 | 029-3690-17 |
| d) | 029-3716-16 | 029-3697-16 | 029-3690-16 |
| e) | 029-3722-09 | 029-3699-09 | 029-3692-09 |
| f) | 029-3722-08 | 029-3699-08 | 029-3692-08 |
| g) | 029-3716-23 | 029-3697-23 | 029-3690-23 |
| h) | 029-3716-22 | 029-3697-22 | 029-3690-22 |

| 1  | WoodGrain       | Midmark         | Ritter          |
|----|-----------------|-----------------|-----------------|
| a) | 068-0157-02-xxx | 068-0256-02-xxx | 068-0282-02-xxx |
| b) | 068-0154-11-xxx | 068-0249-08-xxx | 068-0281-08-xxx |
| c) | 068-0157-05-xxx | 068-0256-05-xxx | 068-0282-06-xxx |
| d) | 068-0154-15-xxx | 068-0249-11-xxx | 068-0281-11-xxx |

[Color Selector](http://www.midmark.com)..... www.midmark.com

| Item | Description   | Qty. |
|------|---|------|
| 1    | <b>Door Assembly</b><br><br>*Note - With Waste Drop includes Items 2 thru 12<br>Without Waste Drop includes Items 2, 3 & 4<br>You must also order item 2 and specify "assemble"<br><br>a) 18" RH Door (with Waste Drop - Shown)<br>b) 18" LH Door (with Waste Drop)<br>c) 18" RH Door (without Waste Drop)<br>d) 18" LH Door (without Waste Drop)<br>e) 21" RH Door (with Waste Drop)<br>f) 21" LH Door (with Waste Drop)<br>g) 21" RH Door (without Waste Drop)<br>h) 21" LH Door (without Waste Drop) | 1    |
| 2    | • Door Panel (specify color)<br><br>a) 18" RH or LH Door (with Waste Drop - Shown)<br>b) 18" RH or LH Door (without Waste Drop)<br>c) 21" RH or LH Door (with Waste Drop)<br>d) 21" RH or LH Door (without Waste Drop)  | 1    |
| 3    | • Hinge   | 2    |
| 4    | • Bumper  | 2    |
| 5    | Screw (SEMS 0.190-24x.625 CD/ZN)  |      |
| 6    | • Waste Panel Assembly (specify color)  | 1    |
| 7    | • • Waste Drop Bracket  | 1    |
| 8    | • • Bumper  | 1    |
| 9    | • • Screw (#6 x 5/8")   | 9    |
| 10   | • • Waste Panel (specify color)<br>a) WoodGrain, b) Midmark, c) Ritter  | 1    |
| 11   | • • Spring Hinge  | 1    |
| 12   | Handle Assembly Set (includes screws)   | 1    |

|                        |                        |  |
|------------------------|------------------------|--|
| <b>Models:</b>         | <b>8004-XXX-XX-XXX</b> |  |
| <b>Serial Numbers:</b> | all                    |  |



#### Door Components

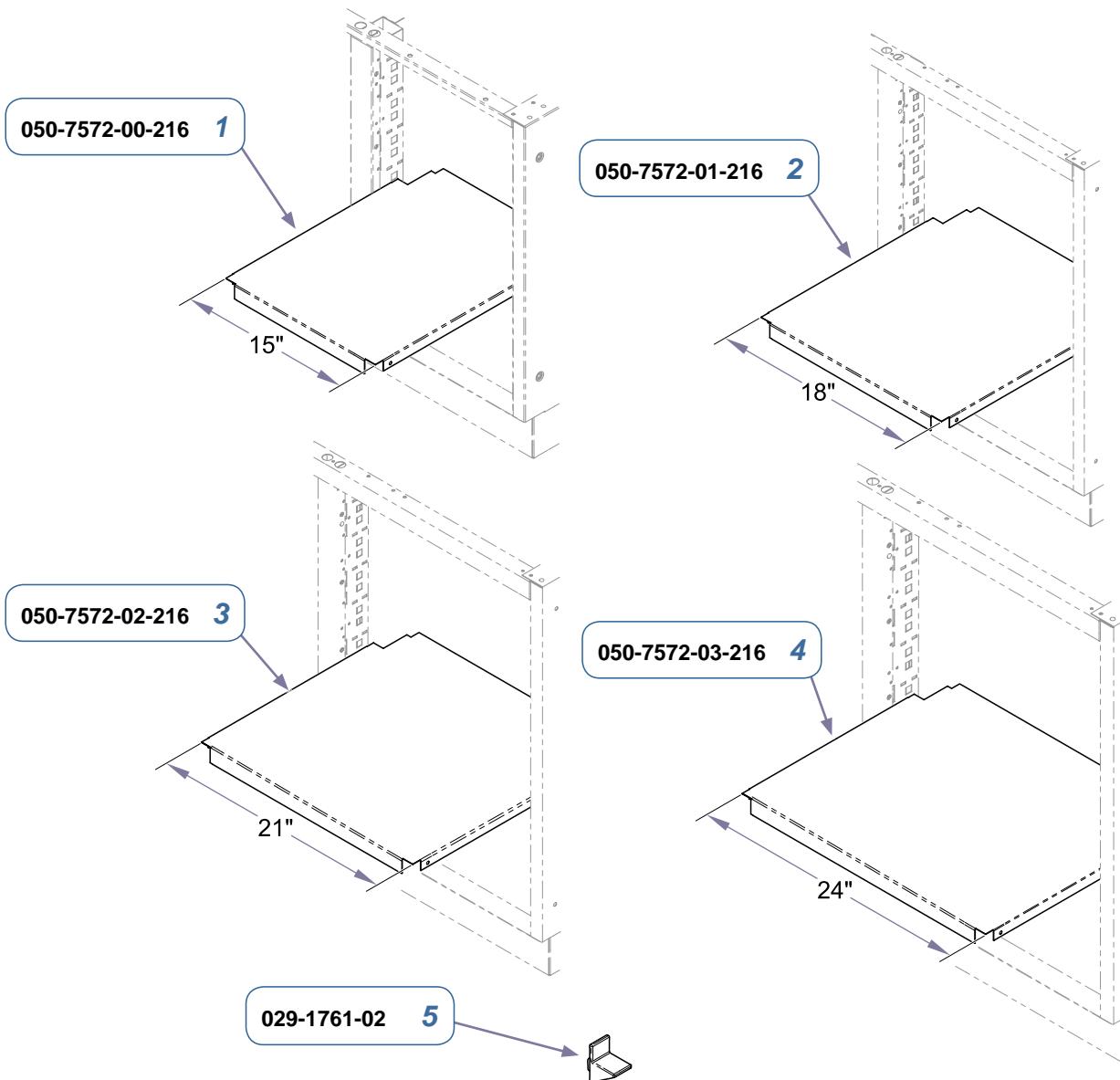
| Item | Description  | Qty. |
|------|--|------|
| 1    | Bumper<br>(included w/ door assembly number)   | 2    |
| 2    | Hinge<br>(included w/ door assembly number)  | 2    |
| 3    | Clear Handle Cover<br>a) 15" door width<br>b) 18" door width<br>c) 21" door width<br>d) 24" door width           | 1    |
| 4    | Color Insert (specify color)<br>a) 15" door width<br>b) 18" door width<br>b) 21" door width<br>c) 24" door width | 1    |
| 5    | Screws (#10-24 x 5/8")   | 2    |
| 6    | Handle Assembly Set (incl. screws) (Ritter ONLY)   | 1    |

**Models:**

**All**

**Serial Numbers:**

**all**



VA1619

|                        |     |  |
|------------------------|-----|--|
| <b>Models:</b>         | All |  |
| <b>Serial Numbers:</b> | all |  |

**Shelves**

| Item | Description                                    | Qty. |
|------|--|------|
| 1    | 15" Width Shelf - (Door Panel width 14-11/16") | 1    |
| 2    | 18" Width Shelf - (Door Panel width 17-11/16") | 1    |
| 3    | 21" Width Shelf - (Door Panel width 20-11/16") | 1    |
| 4    | 24" Width Shelf - (Door Panel width 23-11/16") | 1    |
| 5    | Shelf Clips (4 clips per bag)                  | 1    |

# Vet Peninsula Table



*Model Numbers:*

**8003\***

**8004\***

**8007\***

## Service and Parts Manual



FOR USE BY MIDMARK TRAINED TECHNICIANS ONLY

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(\* ) Indicates multiple pages due to model / serial number break(s).

# General Information

## Symbols

**DANGER**

*Indicates an imminently hazardous situation which will result in serious or fatal injury if not avoided.  
This symbol is used only the most extreme conditions.*

**WARNING**

*Indicates a potentially hazardous situation which could result in serious injury if not avoided.*

**Caution**

*Indicates a potentially hazardous situation which may result in minor or moderate injury if not avoided. It may also be used to alert against unsafe practices*

**Equipment Alert**

*Indicates a potentially hazardous situation which could result in equipment damage if not avoided.*

**Note**

*Used for special instructions or additional information.*

The symbols below may be used in this manual to represent the operational status of table functions and components.



*Indicates the function / component is working properly.  
No action required.*



*Indicates the function / component is working, but a problem exists.*



*Indicates the function is not working at all, or that the component is faulty.*

## Ordering Parts

**The following information is required when ordering parts:**

- Serial number & model number
- Part number for desired part  
(Refer to Section E: Exploded Views & Parts Lists)

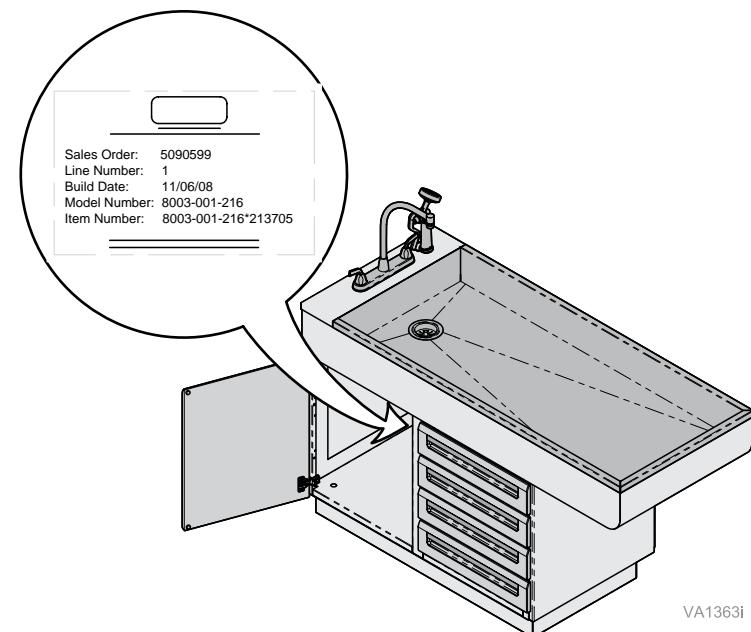
**Non-warranty parts orders may be faxed to Midmark using the Fax Order Form in the back of this manual.**

**For warranty parts orders, call Midmark's Technical Service Department with the required information.**

Hours: 8:00 am to 5:00 p.m. EST (Monday thru Friday)

Phone: 1-800-Midmark (1-800-643-6275)

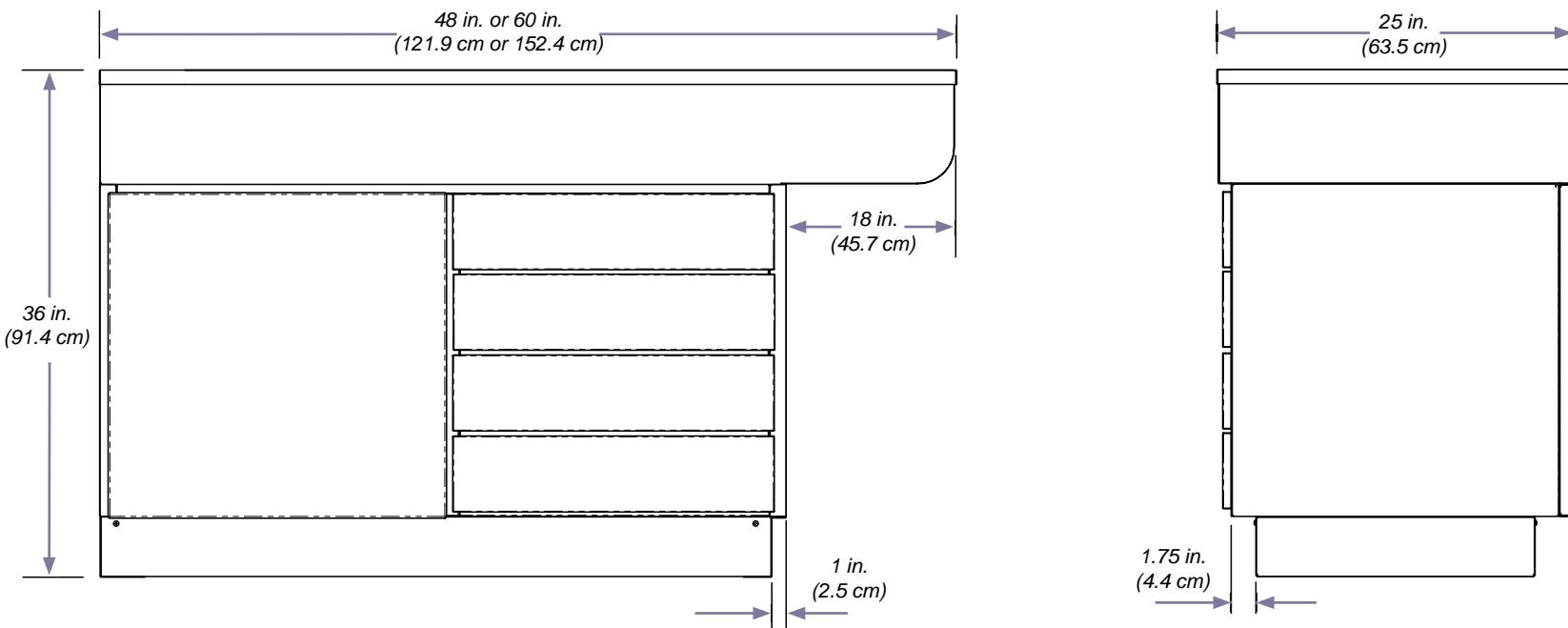
## Serial Number Location



## Weights & Dimensions

### 8003 Wet Table

| 8003 48" Wet Table (Standard Table) |                      | 8003 48" Wet Table for Vet Pro 5000 (Table only) |                      |
|-------------------------------------|----------------------|--|----------------------|
| Width                               | 25 inches (63.5 cm)  | Width  | 25 inches (63.5 cm)  |
| Length                              | 48 inches (121.9 cm) | Length   | 48 inches (121.9 cm) |
| Height                              | 36 inches (91.4 cm)  | Height   | 36 inches (91.4 cm)  |
| Weight                              | 250 lbs (113 kg)     | Weight   | 257 lbs (117 kg)     |
| Shipping Weight                     | 290 lbs (131 kg)     | Shipping Weight                                  | 297 lbs (135 kg)     |
| 8003 60" Wet Table (Standard Table) |                      | 8003 60" Wet Table for Vet Pro 5000 (Table only) |                      |
| Width                               | 25 inches (63.5 cm)  | Width  | 25 inches (63.5 cm)  |
| Length                              | 60 inches (152.4 cm) | Length   | 60 inches (152.4 cm) |
| Height                              | 36 inches (91.4 cm)  | Height   | 36 inches (91.4 cm)  |
| Weight                              | 275 lbs (125 kg)     | Weight   | 283 lbs (135 kg)     |
| Shipping Weight                     | 315 lbs (143 kg)     | Shipping Weight                                  | 323 lbs (146 kg)     |



VA1364j

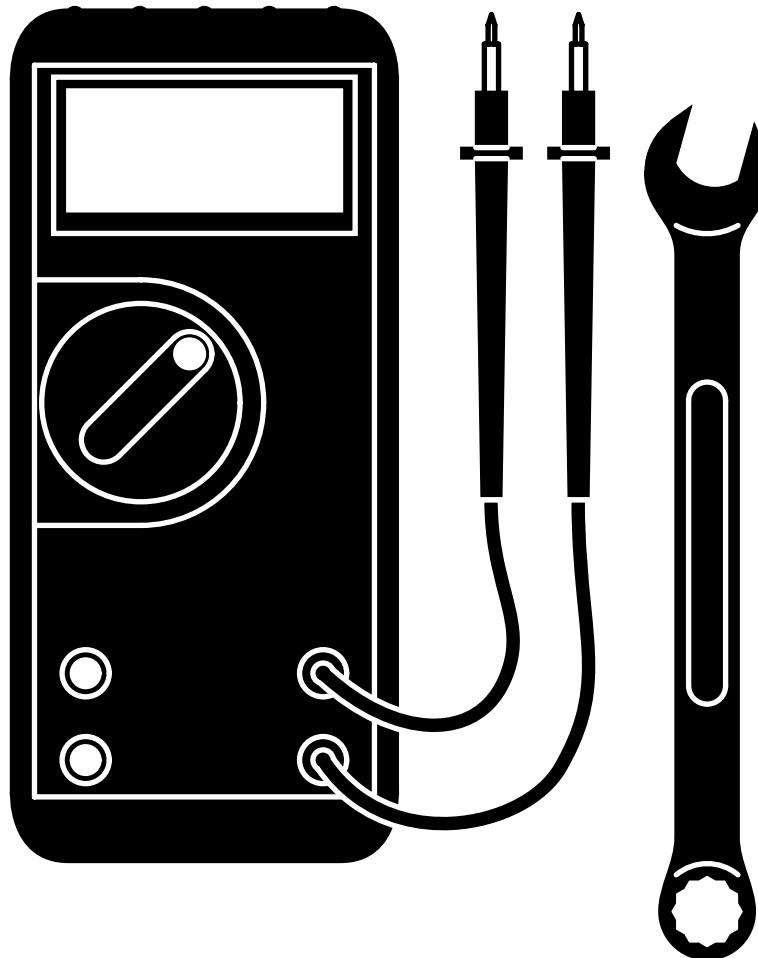
## Cleaning and Maintenance

| Interval            | Inspection / Service | Description   |
|---------------------|----------------------|---|
| After Each Use      | Cleaning             | Clean stainless steel tub with a mild cleaning agent and rinse thoroughly and towel dry. Commercial cleaners need to be approved for use on stainless steel surfaces. Only use nylon or plastic bristle scrubbers when needed. Using steel wool or steel brush may cause steel particles to embed into surface causing rust.<br>(Note: When using scrubbers always scrub with the grain of the steel) |
|                     |                      | Clean debris trap after each use from hair and any other debris.  |
| Weekly              | Cleaning             | Wipe painted metal & plastic surfaces with a clean soft cloth and mild cleaner.<br>(Note: Periodic application of common furniture wax will ease cleaning and maintain the luster of the surfaces).   |
|                     | Obvious Damage       | Visually inspect components for damage to ensure they are functioning properly.   |
|                     |                      |   |
|                     |                      |   |
|                     |                      |   |
|                     |                      |   |
|                     |                      |   |
|                     |                      |   |
|                     |                      |   |
| Date of Service:    | Model Number:        |   |
| Location:           | Serial Number:       |   |
| Service Technician: | Notes:               |   |

# Section B

## *Testing & Adjustments*

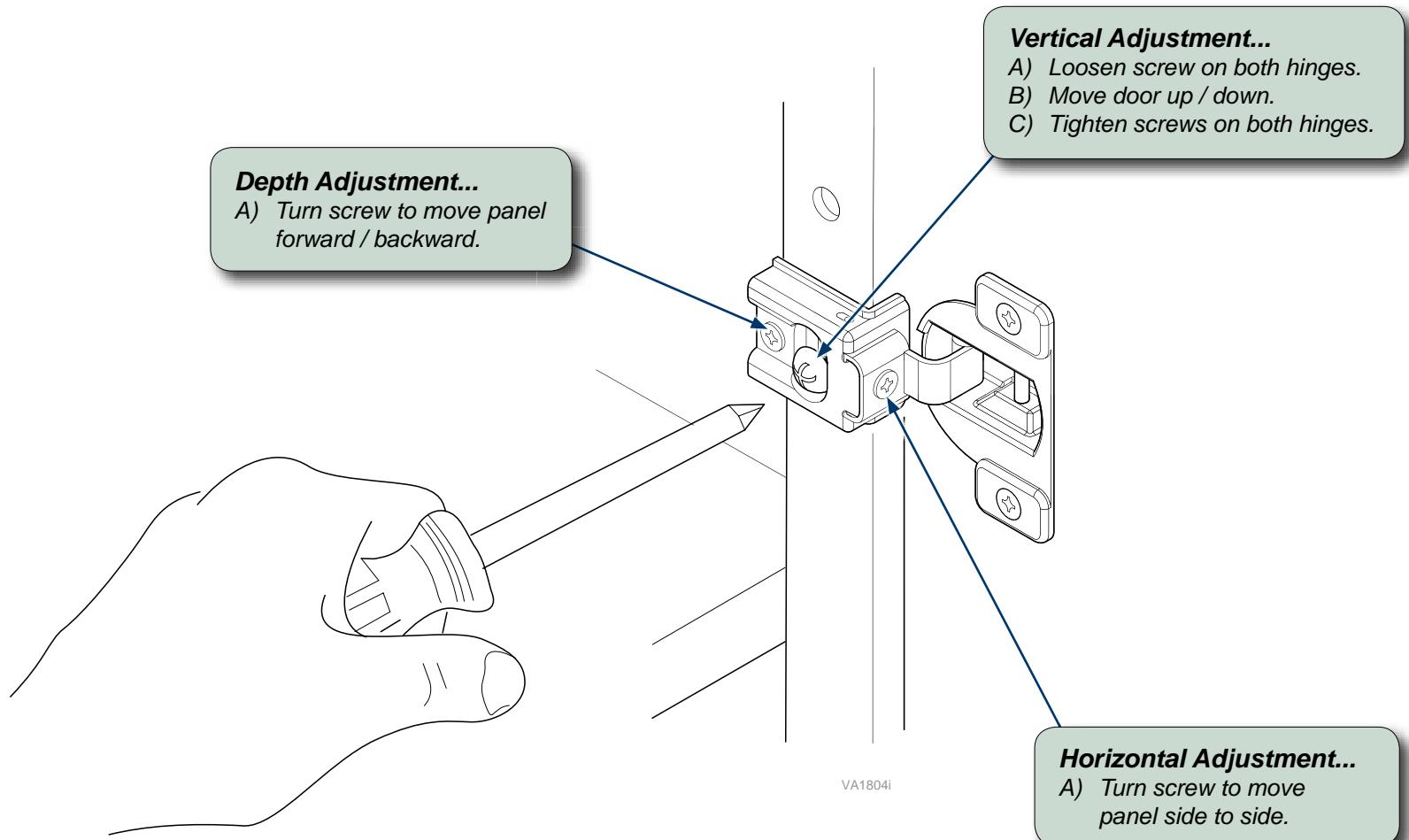
[Door Adjustment](#).....B-2



# Component Testing & Repair

## Doors

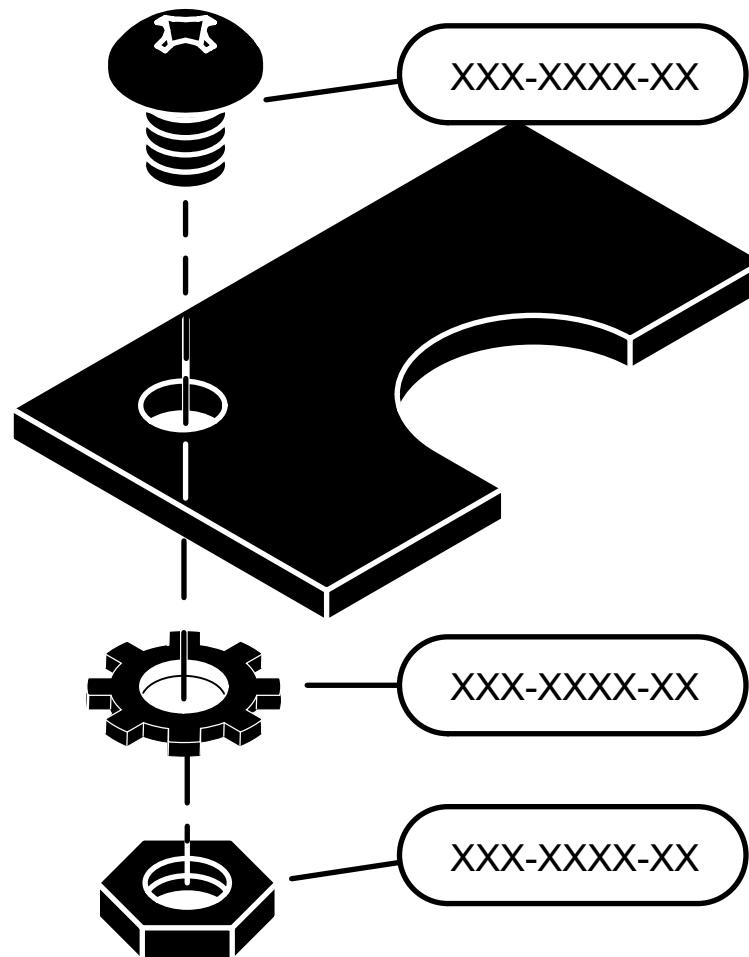
### Door Adjustment

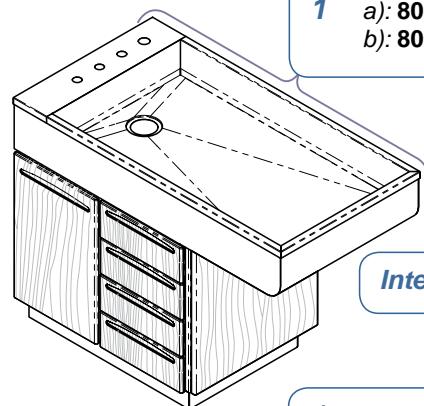


# Section

# Exploded Views & Parts Lists

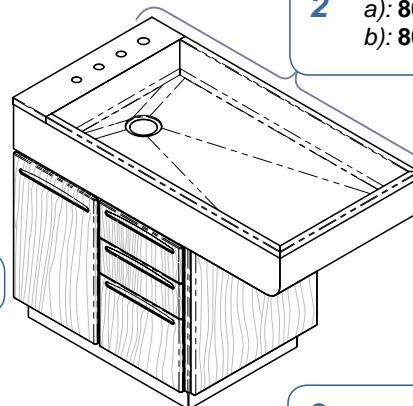
|                                |     |
|--------------------------------|-----|
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| <u>60" Wet Peninsula</u> ..... | E-3 |
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| <u>60" Dry</u> .....           | E-5 |
| <u>44" Island Table</u> .....  | E-6 |
| <u>59" Island Table</u> .....  | E-7 |



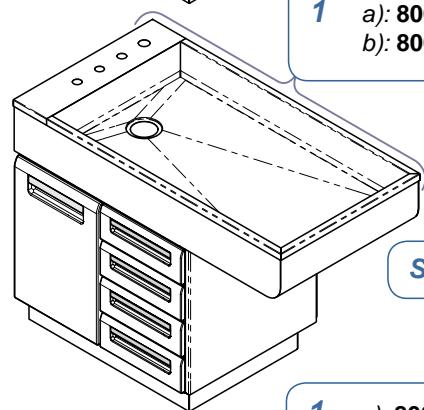


**1**  
a): 8003-001-00-xxx  
b): 8003-002-00-xxx

*Integrated Handle*

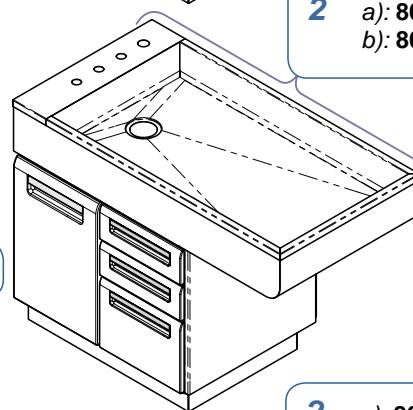


**2**  
a): 8003-003-00-xxx  
b): 8003-004-00-xxx

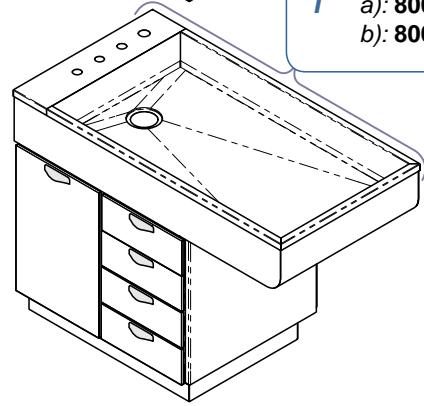


**1**  
a): 8003-001-01-xxx  
b): 8003-002-01-xxx

*Snap-on Handle*

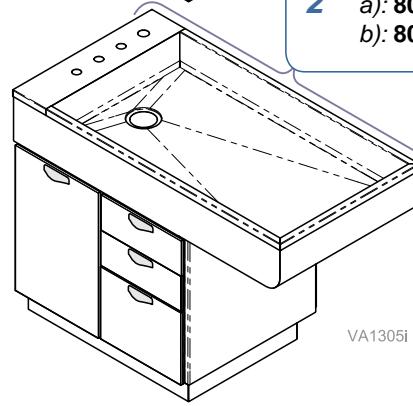


**2**  
a): 8003-003-01-xxx  
b): 8003-004-01-xxx



**1**  
a): 8003-001-02-xxx  
b): 8003-002-02-xxx

*Ritter*



VA1305i

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Parts Online

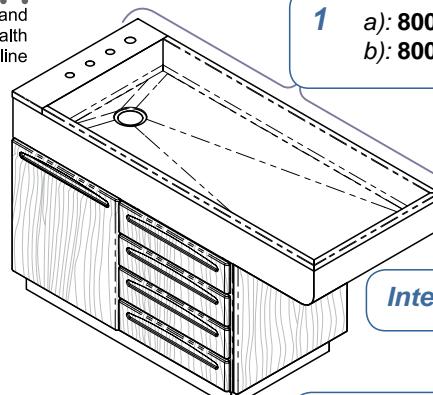
|                        |                        |                        |                        |                        |
|------------------------|------------------------|------------------------|------------------------|------------------------|
| <b>Models:</b>         | <b>8003-001-xx-xxx</b> | <b>8003-002-xx-xxx</b> | <b>8003-003-xx-xxx</b> | <b>8003-004-xx-xxx</b> |
| <b>Serial Numbers:</b> | all                    | all                    | all                    | all                    |

| <b>48" Wet Table Models</b> |  |             |
|-----------------------------|--|-------------|
| <b>Item</b>                 | <b>Description</b>   | <b>Qty.</b> |
| 1                           | 8003<br>a) -001 48" RH (4) 4" Drawers<br>b) -002 48" LH (4) 4" Drawers (Shown)                 | 1           |
| 2                           | 8003<br>a) -003 48" RH (2) 4", (1) 8" Drawers<br>b) -004 48" LH (2) 4", (1) 8" Drawers (Shown) | 1           |

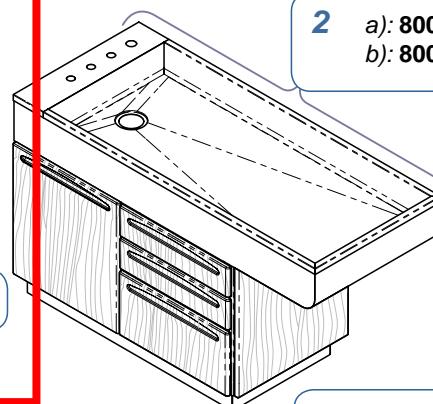
1 a): 8003-005-00-xxx  
b): 8003-006-00-xxx

2 a): 8003-007-00-xxx  
b): 8003-008-00-xxx

[Color Selector..... www.midmark.com](http://www.midmark.com)

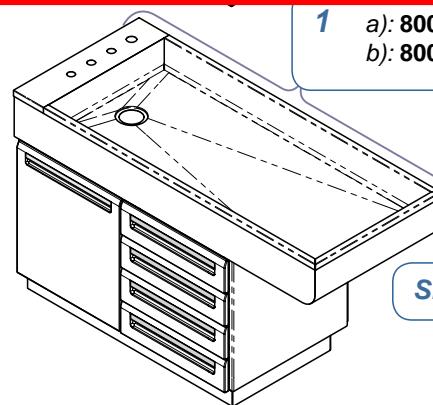


Integrated Handle

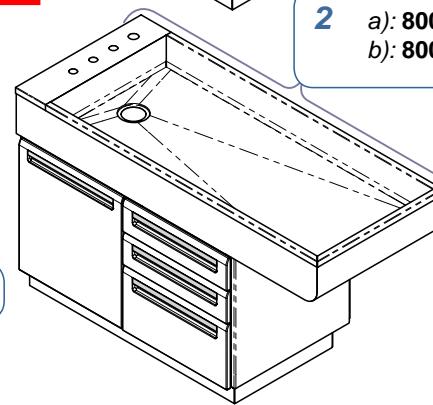


1 a): 8003-005-01-xxx  
b): 8003-006-01-xxx

2 a): 8003-007-01-xxx  
b): 8003-008-01-xxx

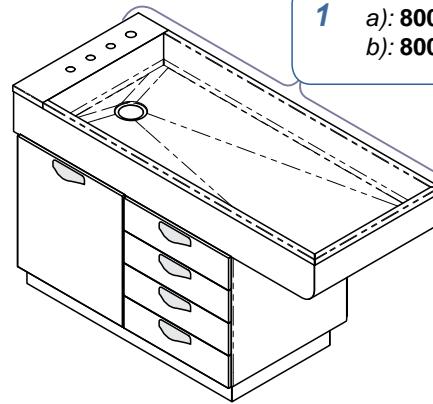


Snap-on Handle

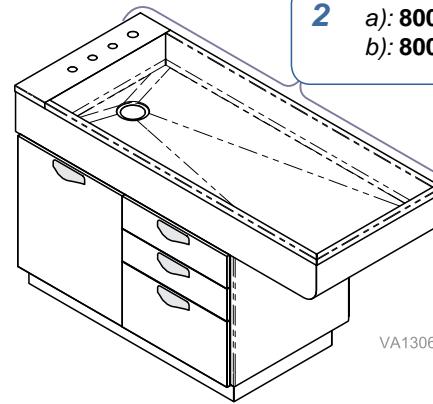


1 a): 8003-005-02-xxx  
b): 8003-006-02-xxx

2 a): 8003-007-02-xxx  
b): 8003-008-02-xxx



Ritter



VA1306i

**Note:**

**The 60" Wet Table models are available with side plumbing access for peninsula applications or floor plumbing access for island applications. Refer to "60 inch Wet Table Components" page elsewhere in this manual for the different serviceable parts.**

**60" Wet Table Models**

| Item | Description  | Qty. |
|------|--|------|
| 1    | 8003<br>a) -005 60" RH (4) 4" Drawers<br>b) -006 60" LH (4) 4" Drawers (Shown)                 | 1    |
| 2    | 8003<br>a) -007 60" RH (2) 4", (1) 8" Drawers<br>b) -008 60" LH (2) 4", (1) 8" Drawers (Shown) | 1    |

**Models:** 8003-005-xx-xxx

8003-006-xx-xxx

8003-007-xx-xxx

8003-008-xx-xxx

**Serial Numbers:**

all

all

040-0010-113 21

030-1774-04 1a

1b 030-1774-00

Color Selector..... [www.midmark.com](http://www.midmark.com)a) 030-1820-02-216 12  
b) 030-1825-02-216  
c) 030-1825-06-216

054-0611-00 16

2 050-8082-00

4 040-0010-15

050-7611-00-216 17

3a 029-4364-02-216

040-0250-13 20

3b 029-4539-02-xxx

068-0715-00-xxx 18

029-1728-06 6

029-3829-04 11

029-1762-05 10

a) 050-7550-02-216  
b) 050-7795-02-216

050-7446-02-216 8

016-0557-00 7

6

053-0068-09 15

22 016-1040-00

5 068-0550-00-xxx

Models: 8003-005-xx-xxx

8003-006-xx-xxx

8003-007-xx-xxx

8003-008-xx-xxx

Serial Numbers:

all

all

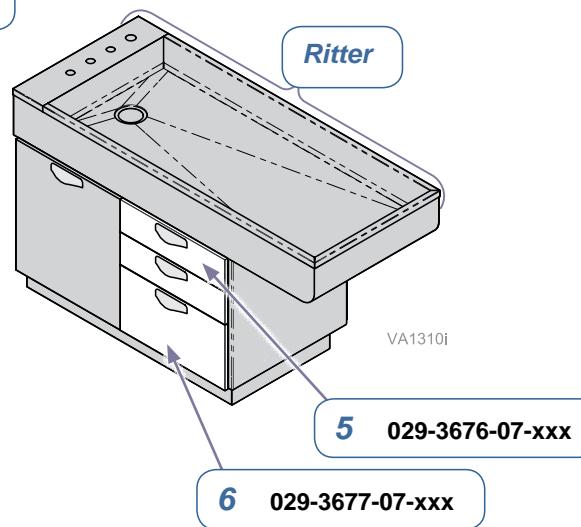
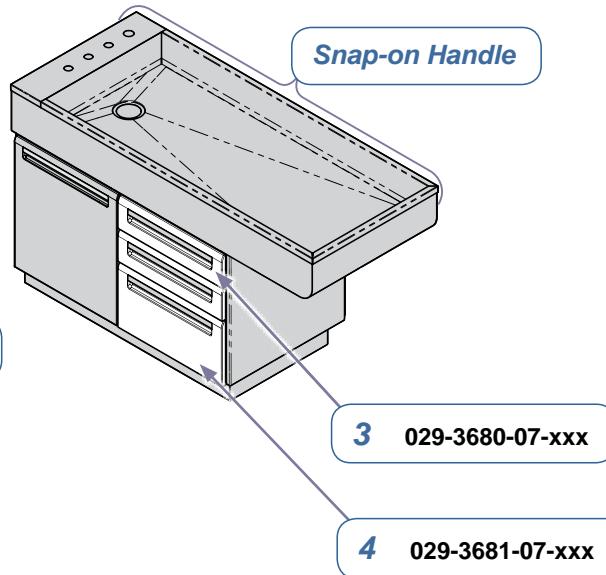
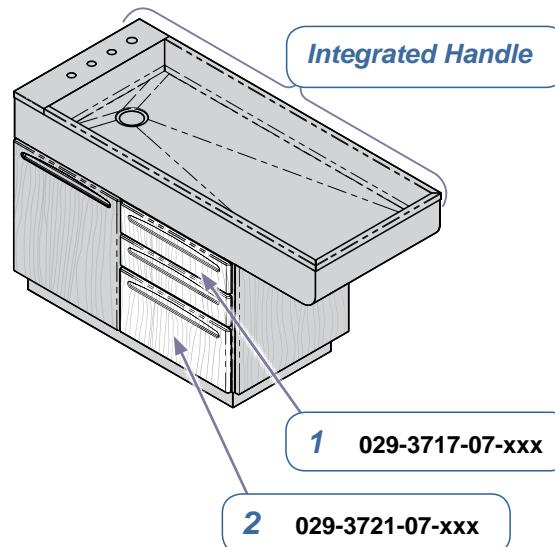
all

all

 Order  
Medical and Animal Health Parts Online

SEE INSERT #513.01

| 60" Wet Table Components |  |      |
|--------------------------|--|------|
| Item                     | Description  | Qty. |
| 1a                       | Recessed Rack (Standard)   | 1    |
| 1b                       | Recessed Racks (Optional)  | 2    |
| 2                        | Stainless Steel Tub  | 1    |
| 3                        | Back Panel Assembly:<br>a) Sheet Metal Back Panel (used on units with Snap-on and Ritter handles)<br>b) Wood Grain Laminate Back Panel (used on units with Integrated handles) | 1    |
| 4                        | Screw (#10-24 x 5/8")  | AR   |
| 5                        | Side Panel (Only used on integrated handle units with wood grain laminate back panel [3b])   | 1    |
| 6                        | Hardware Kit {includes the following}<br>• Screw (#10-24 x 3/4" [pt. no. 042-0144-00])<br>• Hole Plug (pt. no. 053-0667-00-216)  | 1    |
| 7                        | Leveling Screw   | 6    |
| 8                        | Base Bottom  | AR   |
| 9                        | Sink Base Bottom - a) Standard b) w/ Hole  | 1    |
| 10                       | Base Hole Plugs  | 4    |
| 11                       | 36" Bracket Assembly (used only on peninsula applications)   | 1    |
| 12                       | a) 60" Upper Wrap<br>b) 60" Upper Wrap (with L.H. Whip Head [shown])<br>c) 60" Upper Wrap (with R.H. Whip Head)  | 1    |
| 13                       | Shell Assembly (Non-servicable part)<br>a) Peninsula (side access plumbing [shown])<br>b) Island (floor access plumbing [not shown])   | NA   |
| 14                       | Slide Bracket Assembly (Non-servicable part)<br>a) Peninsula (side access plumbing [shown])<br>b) Island (floor access plumbing [not shown])                                   | NA   |
| 15                       | Strain Relief Bushing  | 1    |
| 16                       | Foam Tape (sold by the inch)   | 168" |
| 17                       | Table Mount Whip Bracket   | 1    |
| 18                       | Side Panel (Only used on integrated handle units with wood grain laminate back panel [3b])   | 1    |
| 19                       | Hold-down Anti-Tip Bracket (not shown)   | 1    |
| 20                       | Pan Head Phillips (1/4-20 x 5/8")  | 4    |
| 21                       | Pan Head Phillips (#10-24 x 5/8")  | 1    |
| 22                       | Foot Control, 4 Port, Wet-Dry  | 1    |



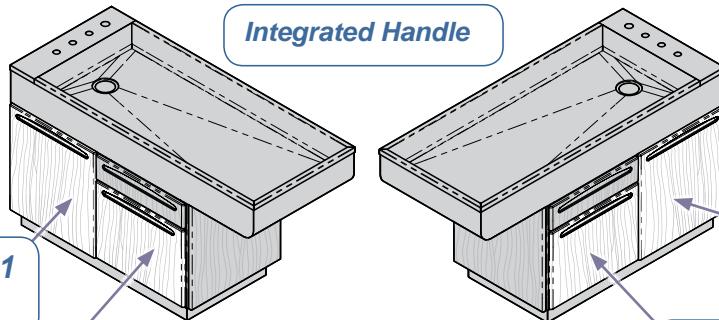
Refer to **Drawer and Door Component Pages** for Hardware Part Numbers

| 60" Wet Table Cabinet Drawer Assemblies |  |      |
|---|--|------|
| Item                                    | Description                                  | Qty. |
| 1                                       | 4" Drawer Height (Width - 21") (Depth - 24") | AR   |
| 2                                       | 8" Drawer Height (Width - 21") Depth - 24")  | AR   |
| 3                                       | 4" Drawer Height (Width - 21") (Depth - 24") | AR   |
| 4                                       | 8" Drawer Height (Width - 21") Depth - 24")  | AR   |
| 5                                       | 4" Drawer Height (Width - 21") (Depth - 24") | AR   |
| 6                                       | 8" Drawer Height (Width - 21") Depth - 24")  | AR   |

**Models:** 8003-005-xx-xxx | 8003-006-xx-xxx | 8003-007-xx-xxx | 8003-008-xx-xxx

**Serial Numbers:** all | all | all | all

*Integrated Handle*



a): 029-3716-20  
b): 068-0154-10-xx

1

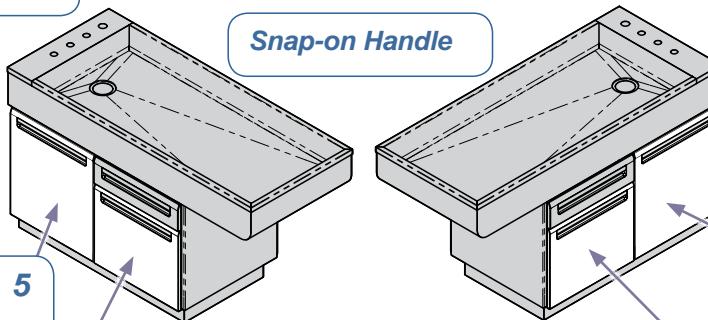
a): 029-3716-19  
b): 068-0154-09-xx

2

a): 029-3716-21  
b): 068-0154-10-xx

3 a): 029-3716-18  
b): 068-0154-09-xx

*Snap-on Handle*



a): 029-3697-20  
b): 068-0249-10-xxx

5

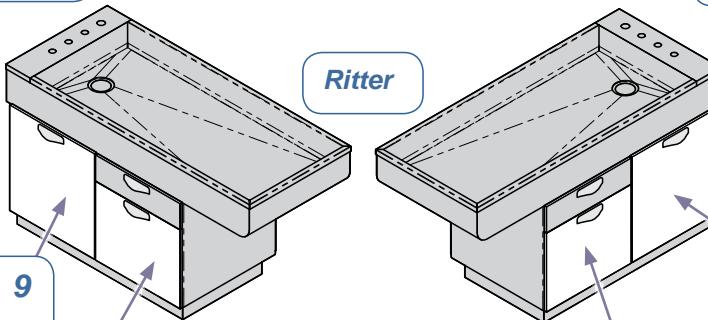
a): 029-3716-19  
b): 068-0249-09-xxx

6

a): 029-3697-21  
b): 068-0249-10-xxx

7 a): 029-3697-18  
b): 068-0249-09-xxx

*Ritter*



a): 029-3690-20  
b): 068-0281-10-xxx

9

a): 029-3690-19  
b): 068-0281-09-xxx

10

a): 029-3690-21  
b): 068-0281-10-xxx

11 a): 029-3690-18  
b): 068-0281-09-xxx

VA1331i

[Color Selector..... www.midmark.com](http://www.midmark.com)

Refer to Drawer and Door Component  
Pages for Hardware Part Numbers

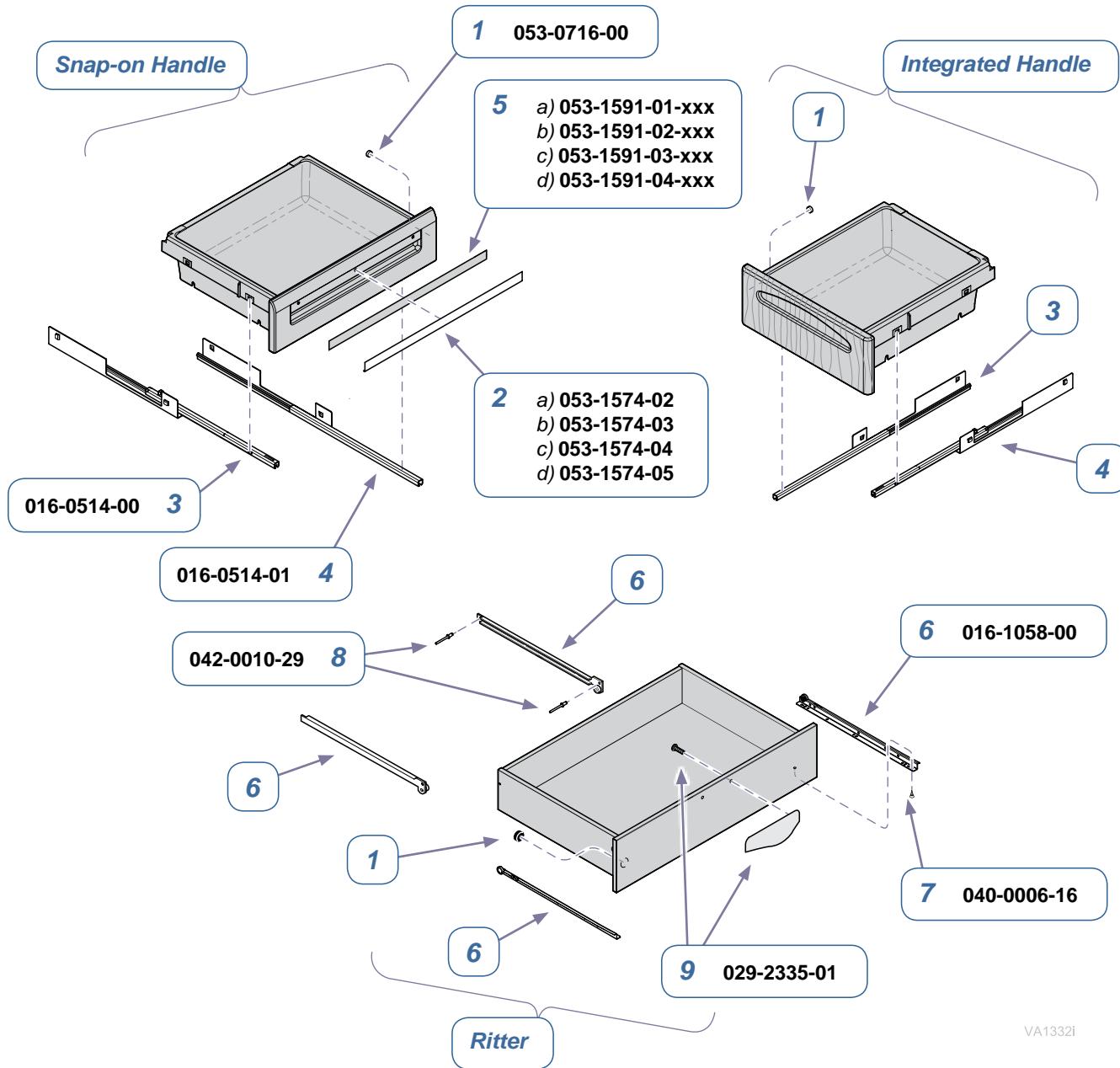
Note: You **MUST** order both a & b and specify  
"ASSEMBLE"

**60" Wet Table Cabinet Door Assemblies**

| Item | Description   | Qty. |
|------|---|------|
| 1    | a) LH Tall Door Assmby (Width - 21")<br>b) Door Panel (specify color)<br>(Width - 20.69", Height - 22.78")  | 1    |
| 2    | a) RH Short Door Assmby (Width - 21")<br>b) Door Panel (specify color)<br>(Width - 20.69", Height - 17.05") | 1    |
| 3    | a) RH Tall Door Assmby (Width - 21")<br>b) Door Panel (specify color)<br>(Width - 20.69", Height - 22.78")  | 1    |
| 4    | a) LH Short Door Assmby (Width - 21")<br>b) Door Panel (specify color)<br>(Width - 20.69", Height - 17.05") | 1    |
| 5    | a) LH Tall Door Assmby (Width - 21")<br>b) Door Panel (specify color)<br>(Width - 20.69", Height - 22.78")  | 1    |
| 6    | a) RH Short Door Assmby (Width - 21")<br>b) Door Panel (specify color)<br>(Width - 20.69", Height - 17.05") | 1    |
| 7    | a) RH Tall Door Assmby (Width - 21")<br>b) Door Panel (specify color)<br>(Width - 20.69", Height - 22.78")  | 1    |
| 8    | a) LH Short Door Assmby (Width - 21")<br>b) Door Panel (specify color)<br>(Width - 20.69", Height - 17.05") | 1    |
| 9    | a) LH Tall Door Assmby (Width - 21")<br>b) Door Panel (specify color)<br>(Width - 20.69", Height - 22.78")  | 1    |
| 10   | a) RH Short Door Assmby (Width - 21")<br>b) Door Panel (specify color)<br>(Width - 20.69", Height - 17.05") | 1    |
| 11   | a) RH Tall Door Assmby (Width - 21")<br>b) Door Panel (specify color)<br>(Width - 20.95", Height - 22.78")  | 1    |
| 12   | a) LH Short Door Assmby (Width - 21")<br>b) Door Panel (specify color)<br>(Width - 20.95", Height - 17.05") | 1    |

**Models:** 8003-005-xx-xxx | 8003-006-xx-xxx | 8003-007-xx-xxx | 8003-008-xx-xxx

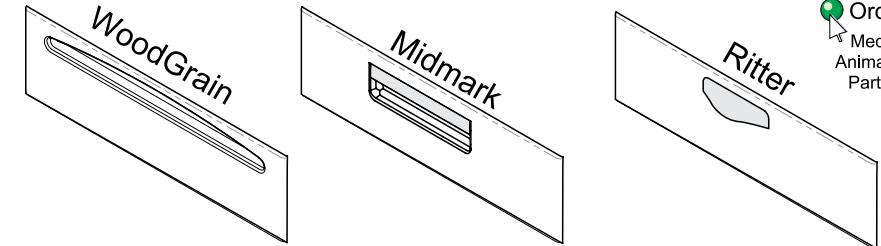
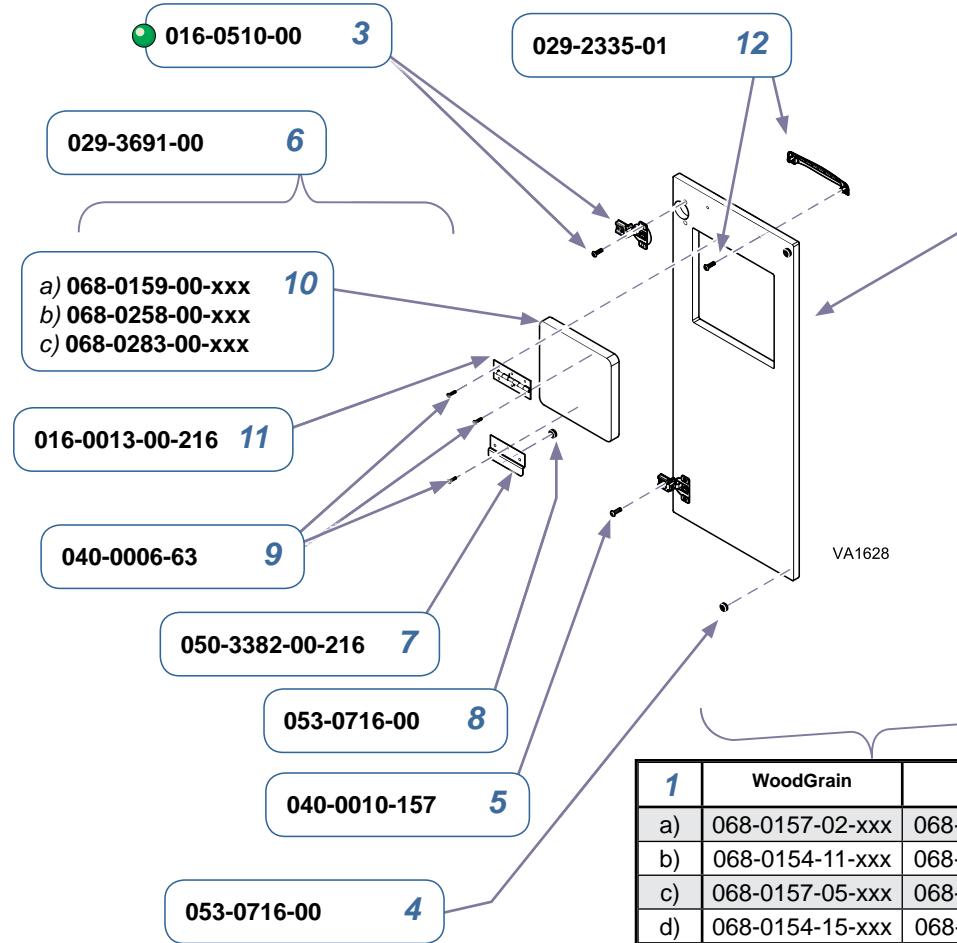
**Serial Numbers:** all | all | all | all



**Models:**  
All

**Serial Numbers:**  
all

| Drawer Components |  |      |
|-------------------|--|------|
| Item              | Description  | Qty. |
| 1                 | Bumper<br>(included w/ drawer assembly number)   | 2    |
| 2                 | Clear Handle Cover<br>a) 15" drawer width<br>b) 18" drawer width<br>c) 21" drawer width<br>d) 24" drawer width<br>(included w/ drawer assembly number) | 1    |
| 3                 | L.H. Slide (24" drawer depth)  | 1    |
| 4                 | R.H. Slide (24" drawer depth)  | 1    |
| 5                 | Color Insert (specify color)<br>a) 15" drawer width<br>b) 18" drawer width<br>c) 21" drawer width<br>d) 24" drawer width                               | 1    |
| 6                 | Slide Set (24" drawer depth)<br>(1 complete set, incl. screws Item 7)<br>(set incl. w/ Ritter drawer assy. number ONLY)                                | 1    |
| 7                 | Screws (#6 x 1/2" Flat Head)   | 1    |
| 8                 | Rivet  | 4    |
| 9                 | Handle Assembly Set (incl. screws) (Ritter ONLY)   | 1    |



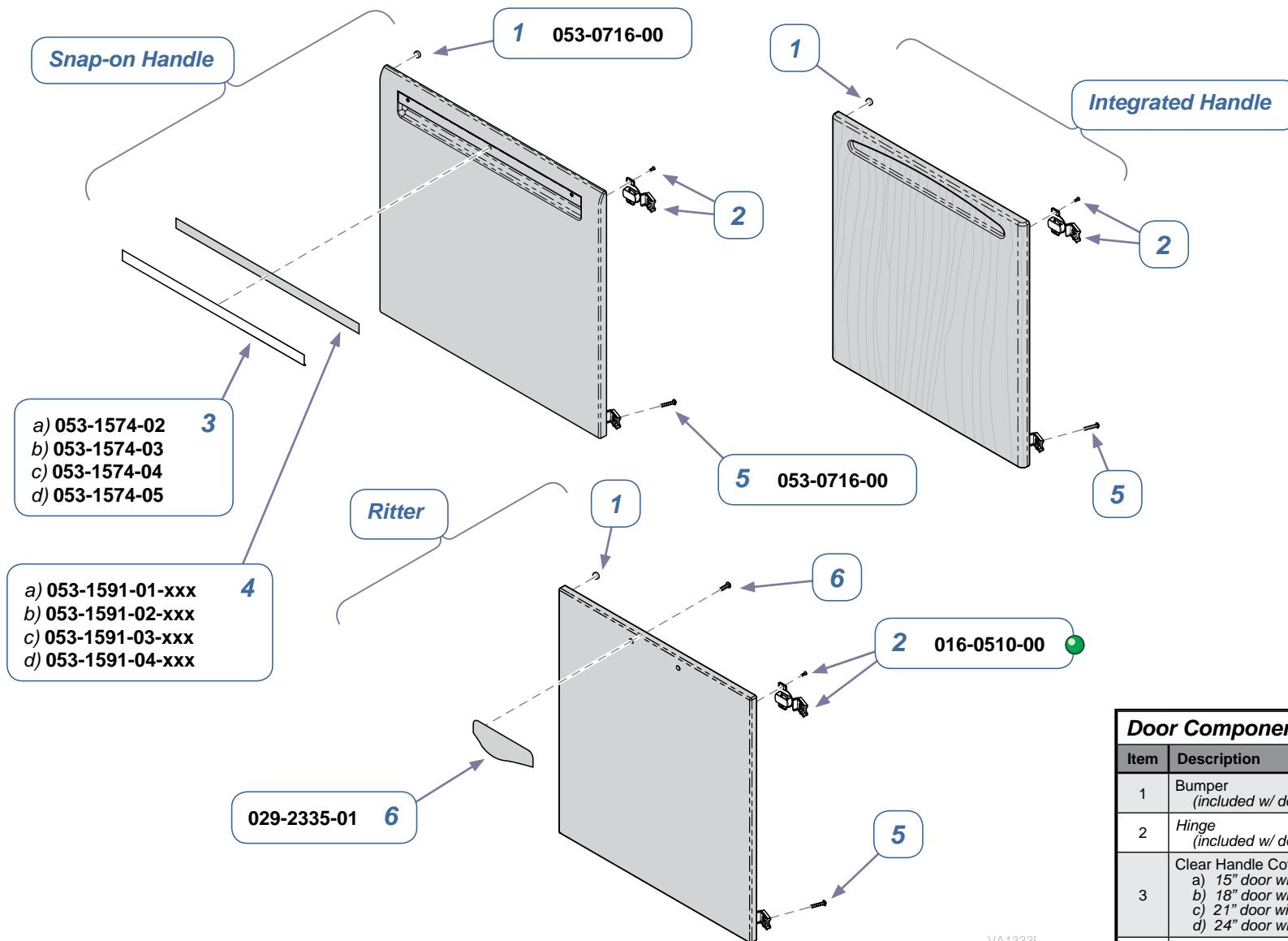
| 2  | WoodGrain   | Midmark     | Ritter      |
|----|-------------|-------------|-------------|
| a) | 029-3722-05 | 029-3699-05 | 029-3692-05 |
| b) | 029-3722-04 | 029-3699-04 | 029-3692-04 |
| c) | 029-3716-17 | 029-3697-17 | 029-3690-17 |
| d) | 029-3716-16 | 029-3697-16 | 029-3690-16 |
| e) | 029-3722-09 | 029-3699-09 | 029-3692-09 |
| f) | 029-3722-08 | 029-3699-08 | 029-3692-08 |
| g) | 029-3716-23 | 029-3697-23 | 029-3690-23 |
| h) | 029-3716-22 | 029-3697-22 | 029-3690-22 |

#### Door Components (Island Tables)

| Item | Description  | Qty. |
|------|--|------|
| 1    | <b>Door Assembly</b><br><br>*Note - With Waste Drop includes Items 2 thru 12<br>Without Waste Drop includes Items 2, 3 & 4<br>You must also order item 2 and specify "assemble"  |      |
| 1    | a) 18" RH Door (with Waste Drop - Shown)<br>b) 18" LH Door (with Waste Drop)<br>c) 18" RH Door (without Waste Drop)<br>d) 18" LH Door (without Waste Drop)<br>e) 21" RH Door (with Waste Drop)<br>f) 21" LH Door (with Waste Drop)<br>g) 21" RH Door (without Waste Drop)<br>h) 21" LH Door (without Waste Drop) | 1    |
| 2    | • Door Panel (specify color)<br><br>a) 18" RH or LH Door (with Waste Drop - Shown)<br>b) 18" RH or LH Door (without Waste Drop)<br>c) 21" RH or LH Door (with Waste Drop)<br>d) 21" RH or LH Door (without Waste Drop)   | 1    |
| 3    | • Hinge  | 2    |
| 4    | • Bumper   | 2    |
| 5    | Screw (SEMS 0.190-24x.625 CD/ZN)   |      |
| 6    | • Waste Panel Assembly (specify color)   | 1    |
| 7    | • • Waste Drop Bracket   | 1    |
| 8    | • • Bumper   | 1    |
| 9    | • • Screw (#6 x 5/8")  | 9    |
| 10   | • • Waste Panel (specify color)<br>a) WoodGrain, b) Midmark, c) Ritter   | 1    |
| 11   | • • Spring Hinge   | 1    |
| 12   | Handle Assembly Set (includes screws)  | 1    |

[Color Selector](http://www.midmark.com)..... www.midmark.com

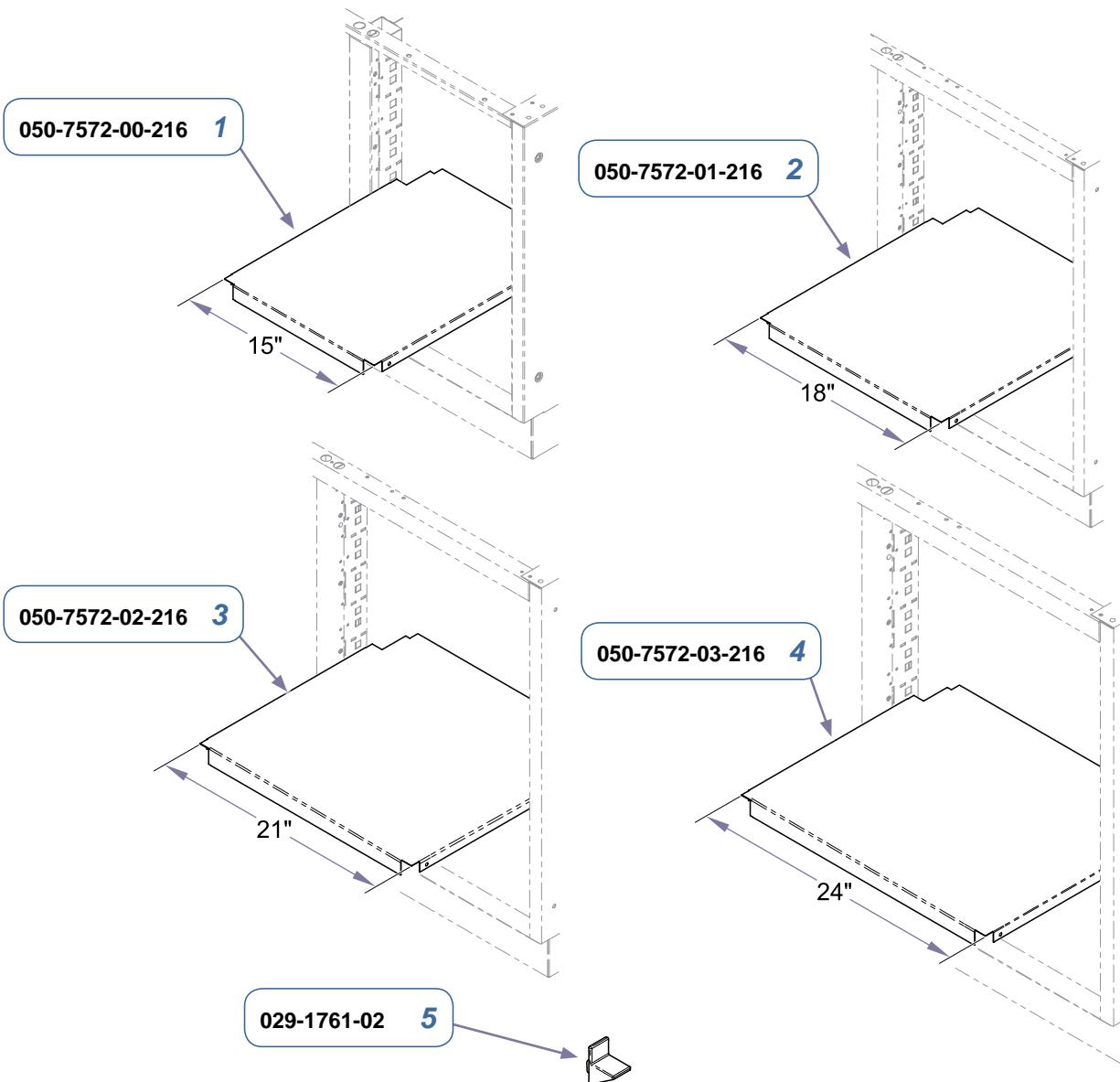
|                        |                 |
|------------------------|-----------------|
| <b>Models:</b>         | 8004-XXX-XX-XXX |
| <b>Serial Numbers:</b> | all             |



#### Door Components

| Item | Description  | Qty. |
|------|--|------|
| 1    | Bumper<br>(included w/ door assembly number)   | 2    |
| 2    | Hinge<br>(included w/ door assembly number)  | 2    |
| 3    | Clear Handle Cover<br>a) 15" door width<br>b) 18" door width<br>c) 21" door width<br>d) 24" door width           | 1    |
| 4    | Color Insert (specify color)<br>a) 15" door width<br>b) 18" door width<br>b) 21" door width<br>c) 24" door width | 1    |
| 5    | Screws (#10-24 x 5/8")   | 2    |
| 6    | Handle Assembly Set (incl. screws) (Ritter ONLY)   | 1    |

**Models:** All  
**Serial Numbers:** all



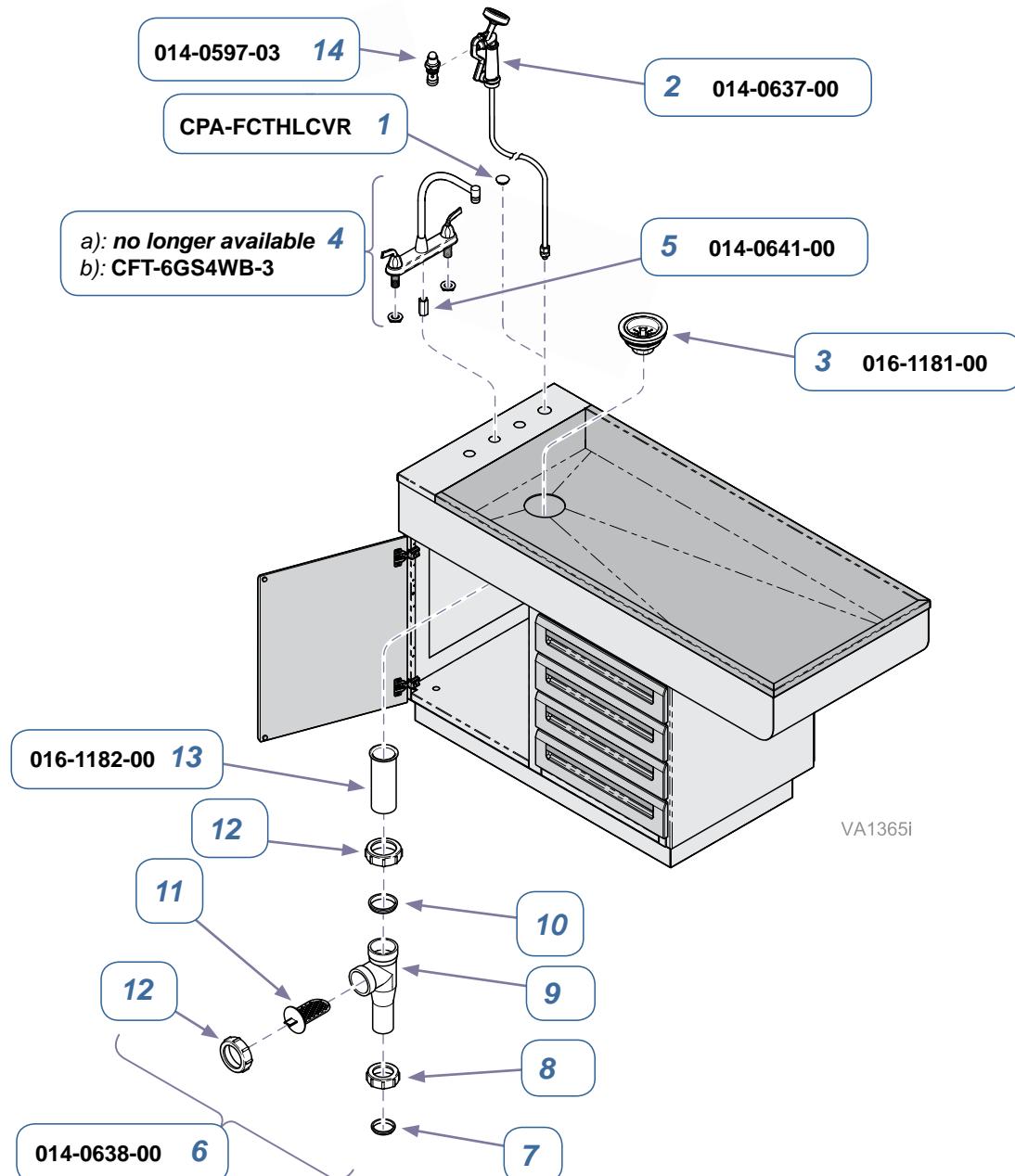
VA1619

|                        |     |  |
|------------------------|-----|--|
| <b>Models:</b>         | All |  |
| <b>Serial Numbers:</b> | all |  |

**Note:**

Shelf Clips need to be ordered separately.

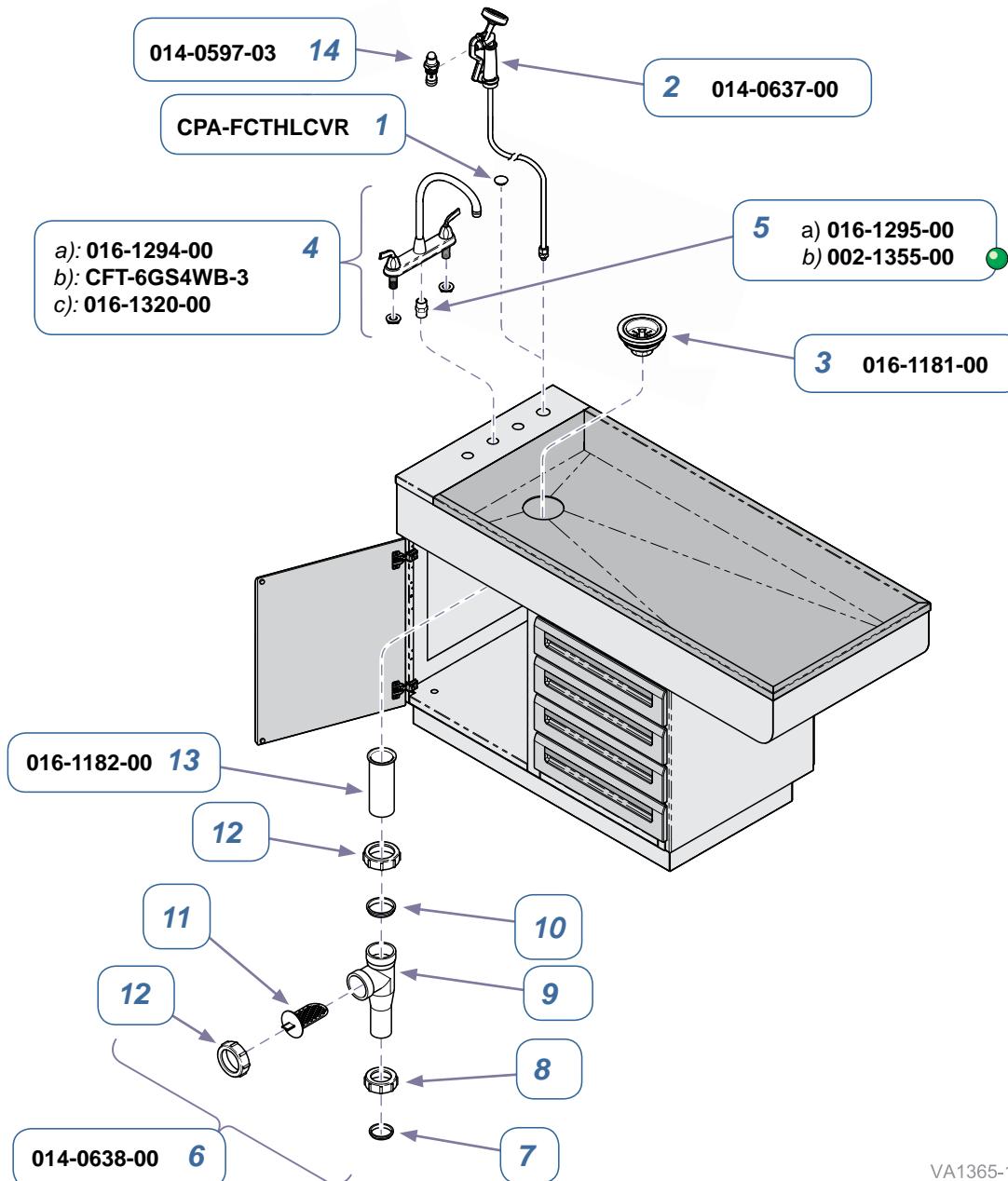
| Shelves |  |      |
|---------|--|------|
| Item    | Description                                    | Qty. |
| 1       | 15" Width Shelf - (Door Panel width 14-11/16") | 1    |
| 2       | 18" Width Shelf - (Door Panel width 17-11/16") | 1    |
| 3       | 21" Width Shelf - (Door Panel width 20-11/16") | 1    |
| 4       | 24" Width Shelf - (Door Panel width 23-11/16") | 1    |
| 5       | Shelf Clips (4 clips per bag)                  | 1    |



| Plumbing Components |   |      |
|---------------------|---|------|
| Item                | Description   | Qty. |
| 1                   | Plug  | 1    |
| 2                   | Sprayer   | 1    |
| 3                   | Drain Assembly  | 1    |
| 4                   | Faucet<br>a) w/ Spayer Hook-up<br>b) w/o Spayer Hook-up | 1    |
| 5                   | • Sprayer Adaptor                                       | 1    |
| 6                   | Hair Trap Assembly (includes items 7 thru 13)           | 1    |
| 7                   | • Ring  | NSS  |
| 8                   | • PVC Nut   | NSS  |
| 9                   | • Main PVC Body   | NSS  |
| 10                  | • Ring  | NSS  |
| 11                  | • Trap  | NSS  |
| 12                  | • PVC Nut   | NSS  |
| 13                  | • Flanged Tail Piece Tube                               | 1    |
| 14                  | Bonnet Assembly Kit                                     | 1    |

|                 |                      |  |
|-----------------|----------------------|--|
| Models:         | 8003                 |  |
| Serial Numbers: | V676477 thru V846565 |  |

NSS= Not Sold Separately



VA1365-11

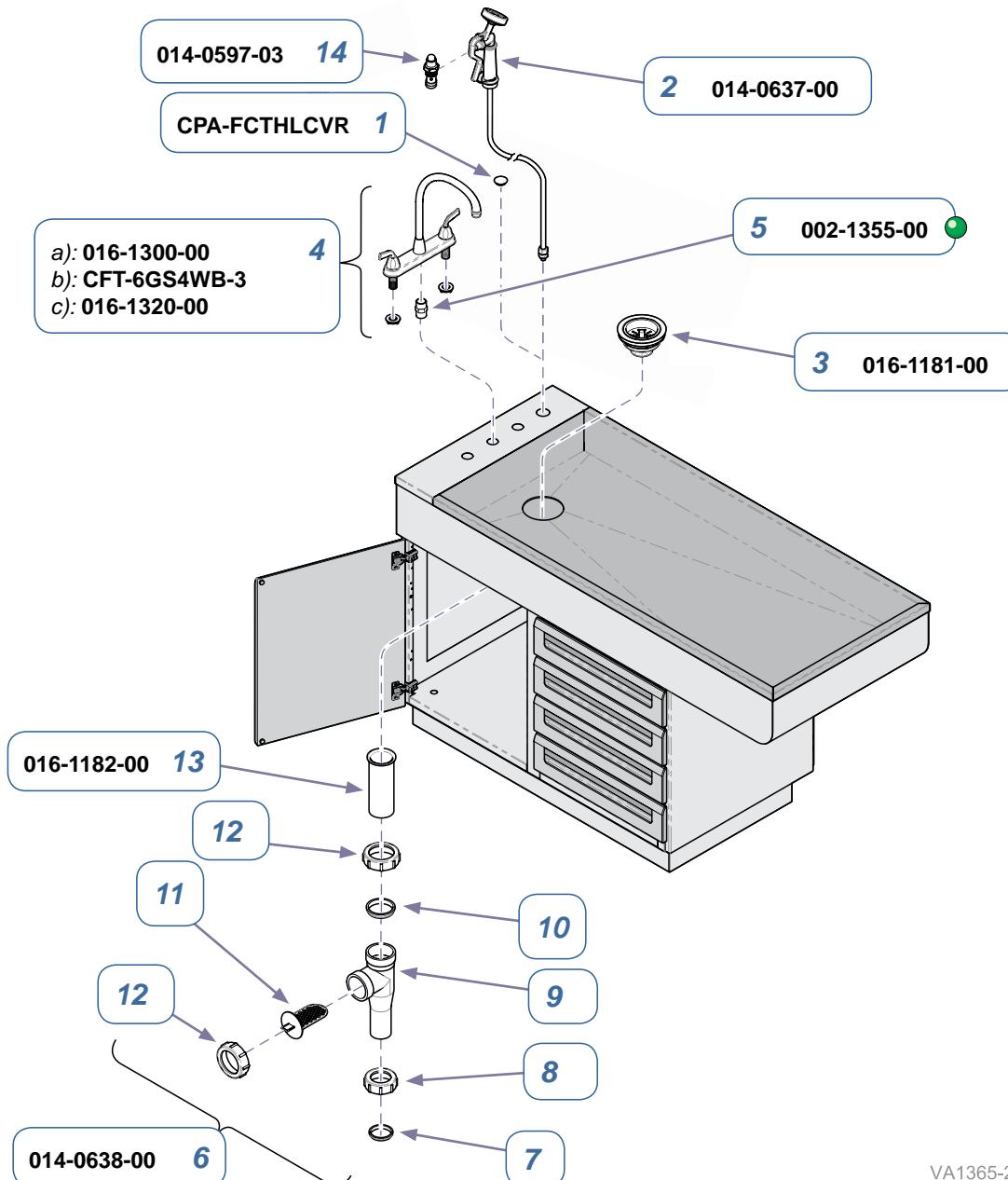
**Models:** 8003

**Serial Numbers:** V846566 thru V1082384

| Plumbing Components |  |      |
|---------------------|--|------|
| Item                | Description  | Qty. |
| 1                   | Plug   | 1    |
| 2                   | Sprayer  | 1    |
| 3                   | Drain Assembly   | 1    |
| 4                   | Faucet:<br>a) w/ Sprayer Hook-up<br>b) w/o Sprayer Hook-up<br>c) w/ Sprayer and Vacuum Breaker | 1    |
| 5                   | Adaptor:<br>a) Sprayer<br>b) Backflow Preventer  | 1    |
| 6                   | Hair Trap Assembly (includes items 7 thru 13)  | 1    |
| 7                   | • Ring   | NSS  |
| 8                   | • PVC Nut  | NSS  |
| 9                   | • Main PVC Body  | NSS  |
| 10                  | • Ring   | NSS  |
| 11                  | • Trap   | NSS  |
| 12                  | • PVC Nut  | NSS  |
| 13                  | • Flanged Tail Piece Tube  | 1    |
| 14                  | Bonnet Assembly Kit  | 1    |

**NSS= Not Sold Separately**

Always verify model & serial number



VA1365-21

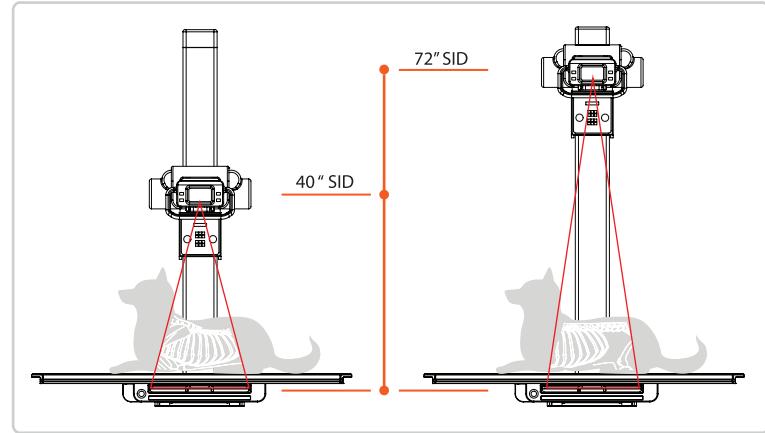
|                        |                       |  |
|------------------------|-----------------------|--|
| <b>Models:</b>         | <b>8003</b>           |  |
| <b>Serial Numbers:</b> | V1082385 thru Present |  |

| <b>Plumbing Components</b> |  |      |
|----------------------------|--|------|
| Item                       | Description  | Qty. |
| 1                          | Plug   | 1    |
| 2                          | Sprayer  | 1    |
| 3                          | Drain Assembly   | 1    |
| 4                          | Faucet:<br>a) w/ Sprayer Hook-up<br>b) w/o Sprayer Hook-up<br>c) w/ Sprayer and Vacuum Breaker | 1    |
| 5                          | Backflow Preventer (optional)  | 1    |
| 6                          | Hair Trap Assembly (includes items 7 thru 13)  | 1    |
| 7                          | • Ring   | NSS  |
| 8                          | • PVC Nut  | NSS  |
| 9                          | • Main PVC Body  | NSS  |
| 10                         | • Ring   | NSS  |
| 11                         | • Trap   | NSS  |
| 12                         | • PVC Nut  | NSS  |
| 13                         | • Flanged Tail Piece Tube  | 1    |
| 14                         | Bonnet Assembly Kit  | 1    |

**NSS= Not Sold Separately**

Always verify model & serial number

40 to 72 inch SID



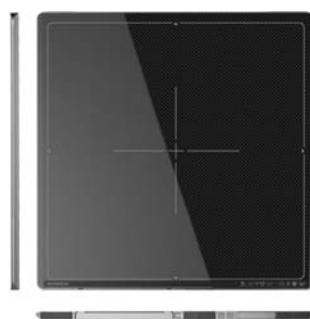
- Silent tabletop and X-ray tray movements
- Upright positioning detector tray for horizontal imaging
- Easy foot switch table control


**17"x17" CsI Wireless Flat Panel Detector**

## 1.3Gbps Wireless Transfer

\* Assembled in the USA \*

- Data speed : up to Wi-Fi 1.3 Gbps (802.11a/g/n/ac)
- Image quality : 127µm, Cesium-Iodide
- Design : Lightweight carbon-fiber design, shock and water resistant (IPX6)



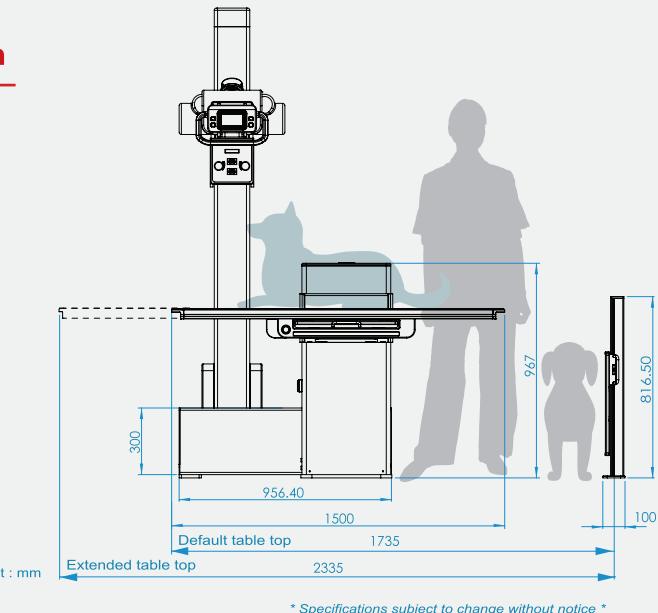
# MYVET Table i72W Elevating table system

The i72w X-ray table is a revolutionary design that provides a 72 inch SID in the horizontal as well as vertical imaging plane. The X-ray table provides silent mechanical movements that help reduce animal stress during a typical study. The i72w is designed to improve workflow in small animal veterinary practices.

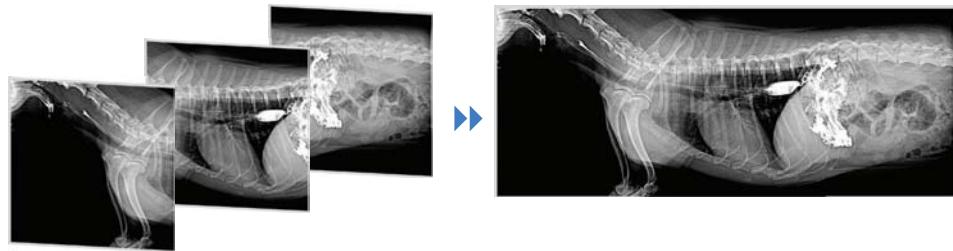
- SID (in) : 40 to 72 inch
- Stand (ft) : 6.8 ft
- Table (m) : 1.5 x 0.64 (59.10 x 25.20 inch)
- Power : 32kW 400mA
- Stand : 280/230 VAC Single Phase

## Features

- Stitching, Auto position to 40 and 72 inch
- Minimum table top height: 10.5 inch
- Rounded table corners
- Quiet motor movement
- Tube turns 90 degree (enables upright imaging)
- Optical light switch tube head lock release
- Easy foot switch operation
- Magnetic contact charging Bucky

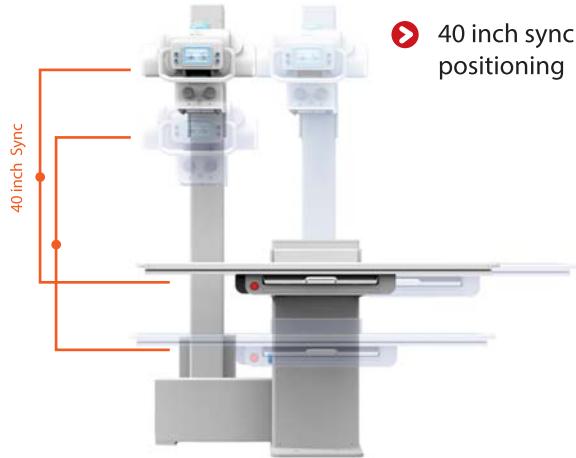


## Image Stitching with auto table positioning

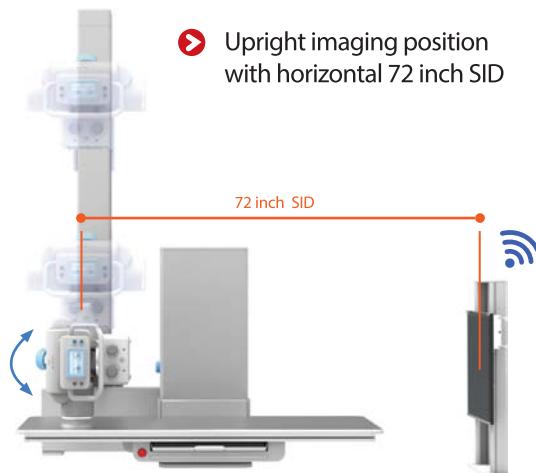


 Magnetic contact charging Bucky

## Dynamic table positioning and sync positioning



► 40 inch sync positioning



► Upright imaging position with horizontal 72 inch SID

## Standard Equipment

- Generator : 32kW 400mA
- X-ray tube : 200 KHU 0.6-1.5mm Focal Spot
- 17"x17" Wireless DR flat panel detector

### Optional equipment is available

- Generator : 40kW 500mA output
- Panel : 17x17 inch tethered flat panel detector (i72T)



## Adjustable Height Grooming Tub with Backsplash

- 18 Gauge, 304 stainless steel
- Back deck—makes a convenient place to store supplies
- Strainer basket included
- No floor space obstruction—allows you to stand close
- Adjustable legs—31 1/2" to 34 1/2" deck height
- Non-skid ramp surface
- Easy one-handed operation
- Ramp locks in upright position with a watertight seal



### Adjustable Height Grooming Tub With Backsplash

|             |   |            |
|-------------|---|------------|
| 105-0446-10 | 60" Grooming Tub with Backsplash and Ramp | \$2,273.00 |
| 105-0346-10 | 48" Grooming Tub with Backsplash and Ramp | \$2,090.00 |
| 105-0446-06 | 60" Standard Grooming Tub with Backsplash | \$1,677.00 |
| 105-0346-06 | 48" Standard Grooming Tub with Backsplash | \$1,593.00 |

### ACCESSORIES

|             |   |          |
|-------------|---|----------|
| 205-0446-01 | Plastisol™ Coated Floor, 60"                    | \$295.00 |
| 205-0346-01 | Plastisol™ Coated Floor, 48"                    | \$225.00 |
| 205-0446-02 | Tie Down Rail System                            | \$177.00 |
| 205-0446-00 | Stainless Steel Small Animal Rack - 18.5" x 22" | \$195.00 |



Stainless Steel Rack



For questions on these formerly VSSI inc. products or for ordering information, please contact our Carthage customer service team at:

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**1-800-299-9525**



NO. 592 LIGHT, SURGICAL, DOUBLE HEAD

# Generation 3

## Galaxy 8X4

### Dual Ceiling Mounted Light

Part #: 8X4-GS2



## Introduction

The **StarTrol** Galaxy Generation 3, the newest member of our lighting family. The LED's are brighter than our current lights and features five level diming. The new sleek design, features a fully enclosed light head for improved clean ability. **StarTrol** is proudly made in the United States, with an unmatched 10 year limited warranty.

## Standard Features

Unlimited Rotation at the 2 main pivot points  
Robust spring - that never needs adjustment  
Touch Sense on / off with 5 step dimming, along with level indicator lights  
Multiple configurations (Wall, Single, and Dual Ceilings)  
Removable anodized aluminum handle  
Enclosed light head for improved clean ability  
10 year limited warranty

## Accessories

Additional Aluminum handle (Part# HDN)  
Ceiling Cover for flush mount installations (Part # GHC)  
Jumbo Bezel for above ceiling installations (Part# JZB)

## Architectural Specifications

**StarTrol** Gen 3 8X4-GS2 is made up of two 12.5" diameter aluminum light heads featuring 32 LEDs per head (200,000 lux at a meter). This light has an arm reach of 120" with unlimited rotation at the 2 main pivot points. The light head has a 700° rotation at the arm and head pivot point and 330° at the light head joint.

## Technical Data

**Part number:** 8X4-GS2  
**Input voltage:** 100-240 VAC 50-60Hz Auto Adjusting  
**Input Current:** 2 Amps @ 120 VAC  
**Light Output:** 200,000 lux at a meter  
**Spot Size:** 10 inches  
**Color Temperature:** 4500K  
**Color rendering index:** 95  
**R9:** 99  
**LED Life:** 50,000+ hours  
**Number of LEDs:** 64  
**Dimming:** 5 Level Touch Sense  
**Total Reach:** 60 inches (5 feet)  
**Minimum Ceiling Height:** 96" with an 80" pivot\*\*  
**Maximum Ceiling Height:** 126" with an 80" pivot\*\*

\*\* Check with the manufacturer for lights outside these measurements.

## Midmark Track Light Monitor

Home &gt; Treatment Room &gt; Monitor Mounts &gt; Midmark Track Light Monitor



SHARE



Click Here to Zoom

## Track Light Monitor



Description

Specifications

## Dental Grade Monitor

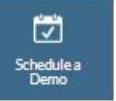
- 17" dental grade monitor with remote control
- Sealed display, buttons and speakers are designed to withstand the use of disinfectants
- Colors: 16.7 million Resolution: SXGA 1280 x 1024
- Digital TV tuner with CC: NTSC, ATSC & QAM
- HD support: 480i, 480p, 720p, 1080i, 1080p

## Operating Light

- Quality white light
- Unsurpassed shadow reduction
- Automatic motion controlled on/off function
- Three intensity settings Independent, composite safe setting
- Upfront touchpad controls
- Three axes of rotation for precise positioning
- Feathered edge to reduce eye strain
- Can be ordered with a halogen or LED operatory light

## Midmark Track Dental Light Monitor

The Track Light Monitor from Midmark combines the best in dental lighting with unparalleled monitor positioning, enhancing the patient experience while improving efficiency and case acceptance.



## Financing Opportunities

Click to Request Product Financing Options



SHARE



[Click Here to Zoom](#)

Efficient design eliminates the need for noisy cooling fans.



Description

Specifications

Operate Mode Color Temperature 5700 Kelvin

Operate Mode Intensity 1400, 1950, 2500 Foot Candles

15000, 21000, 27000 Lux

Composite Mode Color Temperature 4000 Kelvin

Composite Mode Intensity 2100 Foot Candles

22000 Lux

Pattern Size 3.3" x 7.5"

## Midmark LED Dental Operating Light

Where many lights are an afterthought of old technology, the Midmark Dental LED Operatory Light, with its advanced lighting design, pushes LED lighting quality to the edge.



Request Literature



Schedule a Demo



Request a Quote

### Financing Opportunities

Click to Request Product Financing Options

255

LED Procedure Light



**Ritter®**  
by MIDMARK

# 255 Lighting



## Affordable, improved performance procedure lighting

Whether you practice in an office environment or specialized procedure area, your work requires superior, white, shadow-free illumination that is safe and cool to the touch. The Ritter 255 LED Procedure Light by Midmark is designed to deliver both quality and affordability with features that can help you provide the best care to your patients.



## High-quality procedure lighting

Integrated controls on both sides of the light head provide convenient access to make lighting adjustments. You can turn the light on and off and adjust the light brightness from the control touchpad. The sleek contours and sealed light head were designed to make cleaning and care easier. And the handle can be removed for steam sterilization.



## Features designed to make your life easier

The Ritter 255 LED Procedure Light is counterbalanced, designed to help you achieve precise positioning using less force – all without drifting or needing frequent adjustments like spring-based systems. And the yoke design is intended to further simplify positioning with its smooth range of motion.



**Ritter 255 Mobile Procedure Light**



**Ritter 255 Combination Procedure Light**



**Ritter 255 Wall Mount Procedure Light**



## Seeing is believing

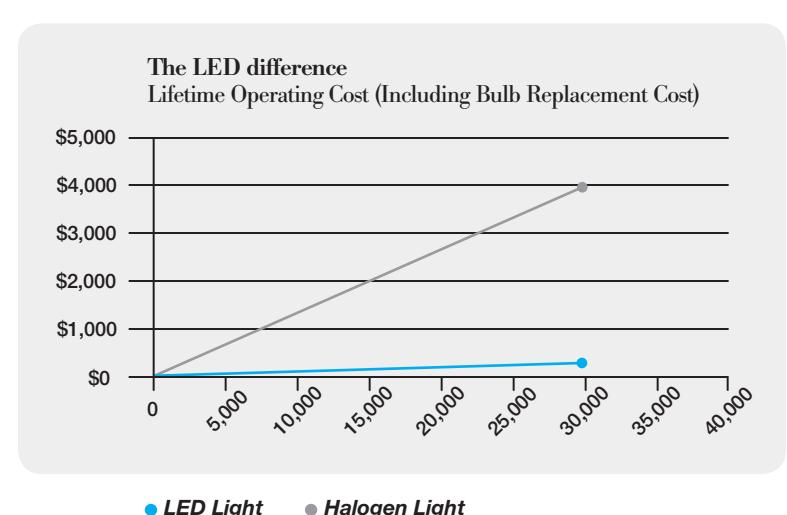
We've also designed the 255 light with a large reflector, including 1,040 reflecting facets, which provide an even distribution of light and reduction of shadows for uninterrupted illumination.

**Ritter 255 Single Procedure Light**

## Superior lighting by design

The Ritter 255 LED Procedure Light is designed to deliver superior illumination. The combination of the optics enhances one's ability to see color variations in tissue and is intended to aid you in a more accurate diagnosis and treatment. Features include:

- 7,500 footcandles, significantly more light intensity of similar products
- An exceptional color rendering index of greater than 95
- And a color temperature of 4,400 K



## Lighting

# S P E C I F I C A T I O N S

### Ritter 255 Procedure

#### Light Specifications

Illumination at 39" (1 m)  
Focal length: 7,500 fc (80,700 lux)  
Pattern diameter: 7.5" (19 cm)  
Depth of field: 29.8" (75.8 cm)  
Color temperature: 4,400 K  
Diameter of lighthead: 20" (50.8 cm)  
LED Light Module: 16 LEDs arranged in a 4x4 array, 32 Watt rating.

#### Electrical

115 VAC, 50/60 Hz, 0.7 amps  
230 VAC, 50/60 Hz, 0.5 amps

Classified by TUV with respect to electric shock, fire, mechanical and luminaires for diagnosis hazards only in accordance with IEC/ES 60601-1, CAN/CSA C22.2 60601-1, 60601-1-2, 60601-2-41, CE Medical Device Directive 93/42/EEC Annex VII Class 1, and RoHS European Directive 2011/65/EU

#### Models

255-001 Single mount, 8' (2.4 m) ceiling  
255-002 Single mount, 9' (2.7 m) ceiling

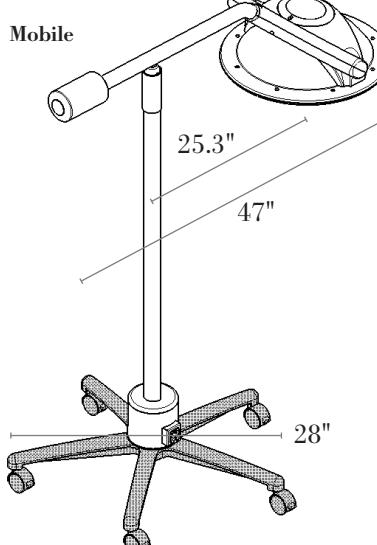
255-003 Dual mount, 8' (2.4 m) ceiling

255-004 Dual mount, 9' (2.7 m) ceiling

255-005 Mobile Procedure Light

255-006 Wall Mount

255-007 Mobile Procedure Light w/o cord



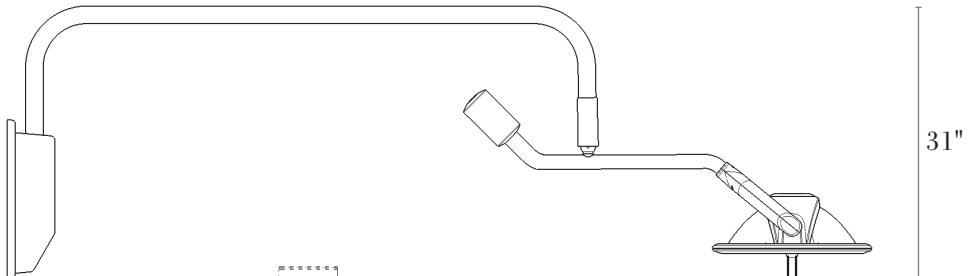
The following systems are recommended based on the following ceiling heights (measured from the bottom of the ceiling surface to the floor):

|                          |   |
|--------------------------|---|
| Less than 8' (2.4 m)     | Mobile Light  |
| 8' (2.4 m) to 9' (2.7 m) | 8' (2.4 m) Single or Dual Light   |
| 9' (2.7 m) to 10' (3 m)  | 9' (2.7 m) Single or Dual Light   |
| Greater than 10' (3 m)   | 8' (2.4 m) Single or Dual Light with 10' ceiling mount adapter kit(s) or Mobile light |

#### Wall Mount

63.5"

99"



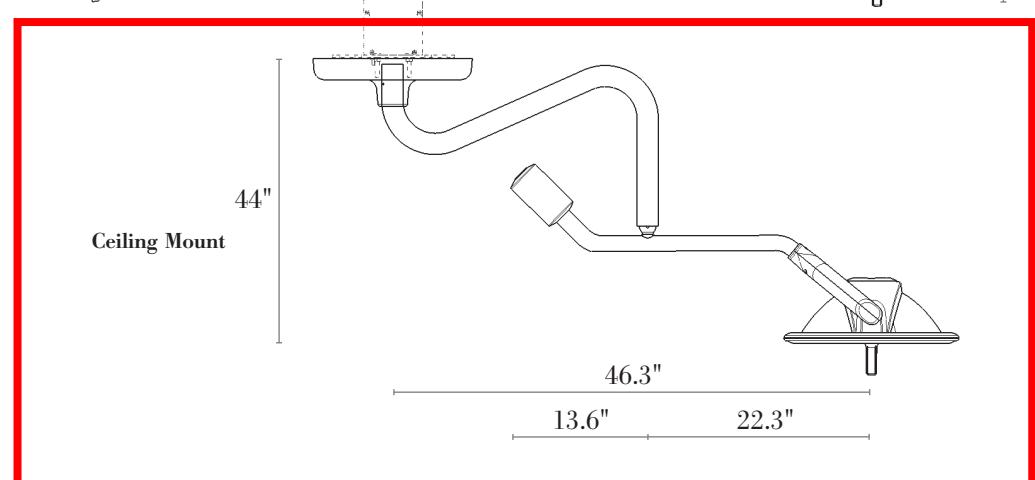
#### Ceiling Mount

44"

46.3"

22.3"

13.6"



**Authorized CE Representative**  
Countries in the EEC should direct all questions, incidents, and complaints to Midmark's Authorized CE representative listed below:

Midmark EMEA Ltd  
Beech House, First Floor  
East Wing, Ancells Business Park  
Fleet, Hampshire,  
GU51 2UN, UK  
Call: + 44 (0) 1252 360 940  
Fax: + 44 (0) 1252 360 941

**Midmark is an ISO 13485 and ISO 9001 Certified Company.**

For more information or a demonstration, contact your Midmark dealer or Midmark Corporation, Versailles, Ohio.  
Call: 1-800-MIDMARK  
Fax: 1-800-365-8631  
midmark.com

**Ritter**<sup>®</sup>  
by MIDMARK

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Manufactured by Midmark Corporation  
Products subject to improvement changes without notice.  
Litho in U.S.A. 007-1070-00 Rev. B1 (11/15)



# SMOKE EVACUATION FOR THE OFFICE AND SURGERY CENTER



## PROCEDURE SAFETY

AORN recommends the use of smoke evacuation systems during any medical procedure producing surgical smoke.

## REDUCED RISK

500,000 healthcare professionals are exposed to surgical smoke proven to carry viruses, CO, and other chemical and biological hazards. The Smoke Shark II minimizes exposure to these toxic smoke plumes during electrosurgery, laser, and harmonic scalpel procedures.

## COST EFFECTIVE

The Extended-Life Filter (SF35) offers up to 35 hours performance reducing procedure cost by 38% (+/-) when used at the lowest setting.

## INCREASED EFFICIENCY

The Smoke Shark II Smoke Evacuator is compatible with most electrosurgical generators. The unit operates in conjunction with the optional Bovie Remote Activation Switch (SERS2) for maximized filter life and surgical efficiency.

## MODERN DESIGN

A light-weight, ultra-quiet and compact design allowing for simplified operation, storage, and portability.

## RELIABLE

The Smoke Shark II Smoke Evacuator includes a standard two (2) year manufacturer warranty.

# STANDARD SETUP

| Long-Life 35-hr Filter  | Pneumatic Footswitch  | Smoke Evacuator Pencil Adapter with 6' Tube*                                       | Remote Switch Activator*  |
|---|---|--|---|
|  |  |  |  |
| SF35 (included)   | FSSEP (included)  | SEPAT  | SERS2   |

\* sold separately

Customize your Smoke Shark™ for a variety of applications by choosing from the accessories below:

| 6' Tube (non-sterile)   | 6' Tube with Wand & Tip (non-sterile)   | 6' Tubing for ValleyLab® & IEC Pencil (sterile)                                    | Laser-Resistant Wand (non-sterile)  | Reducer Fitting   |
|---|---|--|---|---|
|  |  |  |  |  |
| 786T <sup>†</sup>   | SETW <sup>†</sup>   | SEVL   | SELW  | SERF <sup>†</sup>   |

<sup>†</sup> Also available packed sterile

| Disposable Suction Coagulators  |  |
|---|--|
| Handswitch Activated  | Footswitch Activated   |
|  |  |
| SCH08 <sup>‡</sup>  | SCF08 <sup>‡</sup>   |

<sup>‡</sup> Other sizes available



# TECHNICAL SPECIFICATIONS

## Smoke Shark II Technical Specifications...

| Dimensions: | Line Voltage:                          | Line Frequency: | Noise Level, dBA:  |
|-------------|--|-----------------|--------------------|
| Height      | 15.2 cm (6 in.)                        |                 |                    |
| Width       | 27.9 cm (11 in.)                       |                 |                    |
| Depth       | 39.4 cm (15.5 in.)                     |                 |                    |
| Weight      | 4.3 kgs (10 lbs)                       |                 |                    |
|             | SE02: 100/120 VAC<br>SE02-220: 240 VAC | 50 - 60 Hz      | 55.0 dBA (Maximum) |

**Warranty:** limited two (2) year on unit only

The Smoke Shark II meets U.S. and International Standards.

# M Series Monitor and Keyboard

## PRODUCT DETAILS

### 37" / 94.0 cm Seismic Channel

WC-0002-11

- Seismic channel
- Includes mounting hardware and instructions
- OSHPD Pre-Approval: WC-0002-03, -05, -07, -09, -11, and -15.

### 8 x 8"/20.3 x 20.3 cm M Series Articulating Arm with Swivel-Only Front End

WMM-0005-09

- M Series Articulating Arms pivot at the channel and midway for lateral positioning and extension
- Swivel adjustment at the head of the arm, range of motion from flush to full extension, and cable management
- Maximum Arm Load: 30 lb / 13.6 kg
- Product Weight: 3.5 lb / 1.6 kg



### Folding Ergo Bracket

FLP-0004-89

GCX display and keyboard mounting brackets accept all GCX keyboard trays/plates and are VESA® FDMI™ 75/100 mm compatible.

- Keyboard tray/plate can fold upward for security or to save space
- Separation of display and keyboard with independent display-tilt adjustment
- Weight: 9.2 lb / 4.2 kg

### 20.8" / 52.8 cm Ergo Keyboard Tray with Wrist Rest, Slide-Out Mouse Trays and Bottom Cover

WM-0023-56

- Keyboard tray dimensions (excluding wrist rest): 20.8 x 8.7" / 52.8 x 22.1 cm
- Slide-out mouse trays: 8 x 6.5" / 20.3 x 16.5 cm
- Padded wrist rest
- Mouse house, mouse pads
- Product weight: 6.2 lb / 2.8 kg

Note: Not for use with FLP-0004-83 or FLP-0004-97

## RECOMMENDED ACCESSORIES

**1.5 to 3"/3.8 to 7.6 cm wide CPU**

WM-0007-40

- Max. load: 25 lb / 11.3 kg
- Max. height: 14" / 35.6 cm
- Max. depth: 14" / 35.6 cm
- Weight: 4.5 lb / 2 kg



Compact, flexible desktops designed to provide all the essentials your business needs.

OptiPlex 3050 Tower, Small Form Factor and Micro



**More power**

Intel® 7th generation processors allow for the fastest OptiPlex yet with support up to Core™ i5



**Stay flexible**

Versatile suite of stand and mounting options to tailor your workspace to max out on productivity



**Service with ease**

Entry tool-less design and simple removable side panel to service and expand effortlessly



**Stay secure**

With TPM, chassis intrusion switch, Dell Data Protection and cable covers for certain form factors, you can work more and focus less on security risks

# Features & Technical Specifications

| Feature                                 | 3050 Tower/Small Form Factor/Micro Technical Specifications   |   |  |
|---|---|---|--|
| Processor <sup>1</sup>                  | Intel® 7th generation Celeron, Pentium and Core™ i3 Dual Core, Core™ i5 Quad Core (up to 65W Tower/Small Form Factor, 35W Micro); supports Win 10/Linux<br>Intel® 6th generation Celeron, Pentium and Core™ i3 Dual Core, Core™ i5 Quad Core (up to 65W Tower/Small Form Factor, 35W Micro); supports Win 7/8.1/10/Linux  |   |  |
| Chipset                                 | Intel® B250 Chipset   |   |  |
| Operating System <sup>1</sup>           | Microsoft® Windows 7 Pro (32/64-bit) with Windows 10 Pro License (requires Intel® 6th generation processors)<br>Microsoft® Windows 7 Embedded (OEM only)<br>Microsoft® Windows 10 Home (64-bit)<br>Microsoft® Windows 10 Pro (64-bit)<br>Microsoft® Windows 10 Embedded (OEM only)<br>Ubuntu® 16.04 LTS (64-bit)<br>Neokylin® v6.0 (China only)   |   |  |
| Graphics Options <sup>2</sup>           | Integrated Intel® HD Graphics 610/630 (with Intel® 7th generation processors)<br>Integrated Intel® HD Graphics 510/530 (with Intel® 6th generation processors)<br>Supports optional discrete graphics Tower/Small Form Factor: 1GB/2GB AMD Radeon™ R5 430, 4GB AMD Radeon™ R7 450   |   |  |
| Memory <sup>2,3</sup>                   | 2 DIMM slots (2 SODIMM slots for Micro); Non-ECC dual-channel 2400MHz DDR4 SDRAM. (Memory performance on Intel® 6th generation processors will be at 2133MHz). Max memory 32GB  |   |  |
| Networking                              | Integrated Realtek® RTL8111H Ethernet LAN 10/100/1000<br>Optional wireless: Intel® 8265 802.11ac+ Bluetooth 4.2 <sup>13</sup> card;<br>Intel® 3165 802.11ac+ Bluetooth 4.2 <sup>14</sup> card   |   |  |
| I/O Ports                               | <p><b>Tower/Small Form Factor:</b> 8 External USB: 4 x USB 3.1 Gen 1 (2 front/2 rear) and 4 x USB 2.0 (2 front/2 rear); 2 Internal USB 2.0; 1 RJ-45; 1 Display Port 1.2; 1 HDMI 1.4; 1 UAJ, 1 Line-out; 1 VGA (optional); Serial+PS/2 (optional)</p> <p><b>Micro:</b> 6 External USB: 4 x USB 3.1 Gen 1 (2 front/2 rear) and 2 x USB 2.0 (2 rear); 1 RJ-45; 1 HDMI 1.4; 1 Display Port 1.2; 1 UAJ (front); 1 Line-out (front); additional DisplayPort 1.2 (optional); 1 VGA (optional); Serial+PS2 (optional); Serial (optional)</p>  |   |  |
| Security Options                        | Trusted Platform Module <sup>6</sup> TPM 1.2 or 2.0, Dell Data Protection  Encryption, Microsoft Windows Bitlocker, Local HDD data wipe via BIOS ("Secure Erase"), Encryption - SED HDD (Opal FIPS), Chassis lock slot support, Lockable Port Cover, Chassis Intrusion Switch, D-Pedigree (Secure Supply Chain Functionality ), Setup/BIOS Password, Optional Smart Card keyboards, Intel® Trusted Execution Technology, Intel® Identity Protection Technology, Dell Secure Works, firmware support for optional Absolute Data & Device Security (formerly Computrace) <sup>7</sup> , Intel Software Guard eXtensions |   |  |
| Storage <sup>4</sup> Options (internal) | Hard disk drives: up to 2 TB; solid state drives: up to 512 GB.<br>Dual storage support<br>Supports Hybrid, Opal SED FIPS, M.2 PCIe Solid State Drive<br>Intel® Optane™ Memory Ready  | <b>Environmental, Ergonomic, &amp; Regulatory Standards</b> | Environmental Standards (eco-labels): ENERGY STAR 6.1 qualified, EPEAT Registered <sup>9</sup> , TCO Certified, CEL, WEEE, Japan Energy Law, South Korea E-standby, South Korea Eco-label, EU RoHS, China RoHS <sup>14</sup> . Please see your local representative or <a href="http://www.dell.com">www.dell.com</a> for specific details |
| Removable Media Options                 | Supports optional optical disc drives and media card reader (Tower/ Small Form Factor only)   | <b>Configuration Services</b>                               | Factory Image load. BIOS Customization. Hardware Customization, asset tagging and reporting  |
| Systems Management Options <sup>8</sup> | Dell Client Command Suite for in-band systems management  | <b>Warranty</b>   | Limited Hardware Warranty <sup>10</sup> ; Standard Next Business Day On Site Service after Remote Diagnosis <sup>11</sup> ; Optional Dell ProSupport offers premium support from expert technicians and 24x7 availability <sup>12</sup>  |

| Chassis  | Tower  | Small Form Factor  | Micro   |
|--|--|--|---|
| <b>Dimensions<br/>(H x W x D)(inches/cm)</b>     | 13.8 x 6.1 x 10.8 /<br>35 x 15.4 x 27.4  | 11.4 x 3.7 x 11.5 /<br>29 x 9.7 x 29.2   | 7.2 x 1.4 x 7.0<br>18.2 x 3.6 x 17.8  |
| <b>Min. Weight (lbs/kg)</b>                      | 17.49 / 7.93   | 11.42 / 5.14   | 2.6 / 1.18  |
| <b>Number of Bays</b>                            | 1 internal 3.5" HDD<br>2 internal 2.5"<br>HDD/SSD<br>1 external slim ODD   | 1 x 3.5" HDD or<br>2.5" HDD/SDD<br>1 external slim ODD   | 1 internal 2.5" bay   |
| <b>Expansion Slots</b>                           | 1 full height PCIe x16<br>3 full height PCIe x1<br>1 M.2 (22x80mm /<br>22x42mm)  | 1 half height PCIe x16<br>1 half height PCIe x1<br>1 M.2 (22x80mm /<br>22x42mm)  | 1 M.2 (22x30mm)<br>1 M.2 (22x80mm /<br>22x42mm)   |
| <b>Power Supply<sup>1,5</sup><br/>Unit (PSU)</b> | Standard 240W PSU<br>Active PFC<br>240W typical 85%<br>Efficient PSU (80 PLUS<br>Bronze) ENERGY STAR<br>compliant,<br>Active PFC<br>240W typical 92%<br>Efficient PSU (80 PLUS<br>Platinum); ENERGY<br>STAR compliant,<br>Active PFC | Standard 180W PSU<br>Active PFC<br>180W typical 85%<br>Efficient PSU (80 PLUS<br>Bronze) ENERGY STAR<br>compliant,<br>Active PFC<br>180W typical 92%<br>Efficient PSU (80 PLUS<br>Platinum); ENERGY<br>STAR compliant,<br>Active PFC | 65W external adapter<br>with 87% minimum<br>average efficiency for<br>use with 35W processors |

## Essential Accessories

### OptiPlex 3050 Tower, Small Form Factor and Micro



Dell OptiPlex  
Small Form Factor  
All-in-One Stand



Dell OptiPlex Micro  
All-in-One Stand



Dell OptiPlex Micro  
DVD+/-RW  
Drive Enclosure



Dell OptiPlex Micro  
VESA Mount



Dell OptiPlex Micro  
All in One Mount for  
E-Series Displays



Dell Pro Stereo  
Headset UC350



Dell OptiPlex Tower  
or Small Form Factor  
Cable Cover



Dell Wireless  
Keyboard and  
Mouse KM636



Dell 24 Monitor  
P2417H  
(dual set up)





Compact, flexible desktops designed  
to provide all the essentials your  
business needs.

### OptiPlex 3050 Tower, Small Form Factor and Micro

Discover professional class desktops at [www.dell.com/OptiPlex](http://www.dell.com/OptiPlex)

1. Offering and availability may vary by region. Some items available after product introduction. For complete details, refer to the Technical Guidebook published on [www.dell.com](http://www.dell.com).
2. System Memory and Graphics: Significant system memory may be used to support graphics, depending on system memory size and other factors.
3. 4GB or Greater System Memory Capability: A 64-bit operating system is required to support 4GB or more of system memory.
4. Storage: GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.
5. PSU: This form factor utilizes a more efficient Active Power Factor Correction (APFC) power supply. Dell recommends only Universal Power Supplies (UPS) based on Sine Wave output for APFC PSUs, not an approximation of a Sine Wave, Square Wave, or quasi-Square Wave (see UPS technical specifications). If you have questions please contact the manufacturer to confirm the output type.
6. TPM: Not available in all regions.
7. Absolute Data & Device Security (formerly Computrace): Not a Dell offer. Certain conditions apply. For full details, see terms and conditions at [www.lojackforlaptops.com](http://www.lojackforlaptops.com).
8. In-Band Systems Management - This option entirely removes Intel out of band systems (OOB) management features. The system can still support in band management. OOB management support through AMT cannot be upgraded post-purchase.
9. Please refer to [www.epeat.net](http://www.epeat.net) for specific country registration rating and participation.
10. Limited Hardware Warranty: For copy of Ltd Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see [www.dell.com/warranty](http://www.dell.com/warranty).
11. Onsite Service after Remote Diagnosis: Remote Diagnosis is determination by online/phone technician of cause of issue; may involve customer access to inside of system and multiple or extended sessions. If issue is covered by Limited Hardware Warranty ([www.dell.com/warranty](http://www.dell.com/warranty)) and not resolved remotely, technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply.
12. Availability and terms of Dell Services vary by region. For more information, visit [www.dell.com/servicedescriptions](http://www.dell.com/servicedescriptions).
13. Particular versions of Microsoft Windows may not support the full Bluetooth 4.2 functionality
14. For a complete listing of declarations and certifications, refer to the Dell Regulatory and Environmental Datasheet found in the Manuals section of Product Support information <http://www.dell.com/support/home/us/en/19>

# Large Flat Panel/TV Ceiling Mount

## PRODUCT DETAILS

### M Series Large Flat Panel/TV Mount

FLP-0010-20

- TV mount for 100 x 200 mm, 200 x 200 VESA patterns
- Tilt/swivel adjustability
- 4.75"/12.1 cm From wall
- OSHPD Approval OPA-0165-13
- Maximum weight: 60 lbs/27.2 kg
- Product weight: 5.2 lbs/2.4 kg

### 24"/61.0 cm Column

CM-0010-03

- Dual channel columns allow standard GCX wall mounting solutions to be used for ceiling mount applications
- Features two channel profiles to mount arms and accessories plus two side raceways with covers for cable management
- Port hole at the top allows cables to be rundown the anchorage pipe and inside the column
- Pass-through access port in the channel profile area allows cable access from inside the column and to both sides
- Mounts to 1.5"/3.8 cm NPT pipe (not included)
- Channel profiles can easily be positioned for left/right or front/back orientation to accommodate different arm combinations and application requirements
- Not for use with any GCX VHM P/PL Variable Height Arm with an Extension
- 100 lbs./45.4 kg maximum load at channel profile (flush to column)
- 50 lbs/22.7 kg maximum load 24"/61 cm from the channel profile\*
- 360 degree swivel adjustment for optimal positioning

NOTE: Assumes adequate anchorage of column. Adequate anchorage is the responsibility of the purchaser.



TVT624


 Display size  
10"-29"

 Max load  
25lb (11kg)

# tru•VUE<sup>TM</sup>

## Tilting Wall Mount

### FOR 10" TO 29" DISPLAYS

The TruVue™ series wall mounts combine ease of installation with viewing flexibility. With TVT624, a low-profile design positions the TV just 2.00" (51mm) from the wall. The Hook-and-Hang™ system offers easy, one-person installation of the TV. Tilt the TV 15° forward or 5° backward to optimize the TV's viewing angle.

***The TVT624's adjustable viewing feature provides 15° of forward tilt and 5° backward tilt, creating the most optimal viewing angle.***



#### Additional Features

- ✓ Positions TV only 2.00" (51mm) from the wall
- ✓ Low-profile design creates a clean, concealed look
- ✓ Includes necessary wall and display attachment hardware
- ✓ VESA® 75 x 75 and 100 x 100mm TV mounting hole patterns
- ✓ Mounts to wood stud, concrete, cinder or breeze block
- ✓ TV adaptor plate simply slides into the wall plate for a quick and easy installation
- ✓ Design is UL listed and tested to four times stated load capacity



■ **HOOK-AND-HANG DESIGN**  
TV can be installed by a single person

■ **LOCKING TILT**  
TV locks at any angle with adjustment screws

■ **FLEXIBLE MOUNTING LOCATIONS**  
Mounts to wood stud, concrete, cinder or breeze block

■ **VESA® COMPATIBLE**  
Accommodates 75 and 100 mm mounting pattern



TVT624 TruVue™ Tilting Wall Mount for 10" to 29" Displays

## Product Specifications

|        | DIMENSIONS (W x H x D)                               | PRODUCT WEIGHT | LOAD CAPACITY | FINISH                        | AVAILABLE COLORS |
|--------|--|----------------|---------------|-------------------------------|------------------|
| TVT624 | 4.41" x 4.41" x 2.00"-2.39"<br>(112 x 112 x 51-61mm) | 1.1lb (0.5kg)  | 25lb (11kg)   | Scratch resistant fused epoxy | Matte black      |

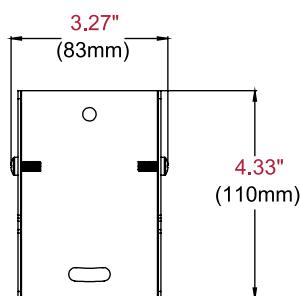
## Package Specifications

|        | PACKAGE SIZE (W x H x D)                    | PACKAGE SHIP WEIGHT | PACKAGE UPC CODE | PACKAGE CONTENTS                                     | UNITS IN PACKAGE |
|--------|---|---------------------|------------------|--|------------------|
| TVT624 | 5.31" x 2.83" x 6.69"<br>(135 x 72 x 170mm) | 1.3lb (0.6kg)       | 735029293224     | Wall mount, wall and TV installation hardware, level | 1                |

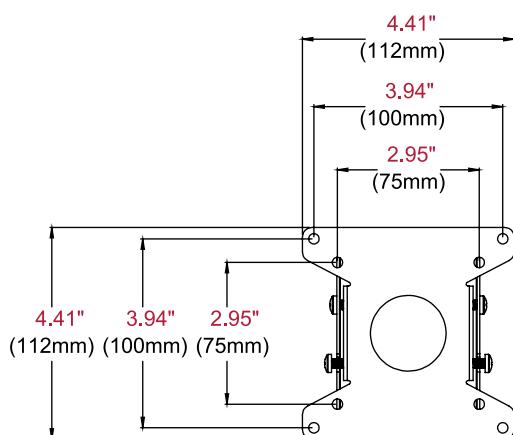
All dimensions = inch (mm)



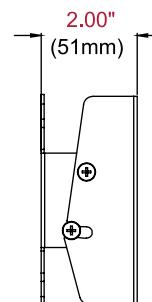
TOP VIEW



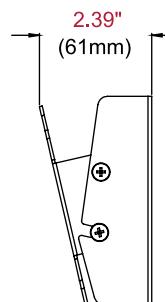
WALL PLATE DETAIL



FRONT VIEW



SIDE VIEW

SIDE VIEW  
+15°/-5° TILT

## Architect Specifications

The TruVue™ Tilting Wall Mount shall be a Peerless-AV model TVT624 and shall be located where indicated on the plans. Assembly and installation shall be done according to instructions provided by the manufacturer.

Visit [peerless-av.com](http://peerless-av.com) to see the complete line of AV solutions from Peerless-AV, including outdoor displays, wireless, kiosks, digital audio, display mounts, projector mounts, carts/stands, and a full assortment of accessories.

**Peerless-AV**  
2300 White Oak Circle  
Aurora, IL 60502 USA  
**(800) 865-2112**  
**(630) 375-5100**  
**Fax: (800) 359-6500**

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# Features & Technical Specifications

| Feature                                 | 3050 Tower/Small Form Factor/Micro Technical Specifications   |   |  |
|---|---|---|--|
| Processor <sup>1</sup>                  | Intel® 7th generation Celeron, Pentium and Core™ i3 Dual Core, Core™ i5 Quad Core (up to 65W Tower/Small Form Factor, 35W Micro); supports Win 10/Linux<br>Intel® 6th generation Celeron, Pentium and Core™ i3 Dual Core, Core™ i5 Quad Core (up to 65W Tower/Small Form Factor, 35W Micro); supports Win 7/8.1/10/Linux  |   |  |
| Chipset                                 | Intel® B250 Chipset   |   |  |
| Operating System <sup>1</sup>           | Microsoft® Windows 7 Pro (32/64-bit) with Windows 10 Pro License (requires Intel® 6th generation processors)<br>Microsoft® Windows 7 Embedded (OEM only)<br>Microsoft® Windows 10 Home (64-bit)<br>Microsoft® Windows 10 Pro (64-bit)<br>Microsoft® Windows 10 Embedded (OEM only)<br>Ubuntu® 16.04 LTS (64-bit)<br>Neokylin® v6.0 (China only)   |   |  |
| Graphics Options <sup>2</sup>           | Integrated Intel® HD Graphics 610/630 (with Intel® 7th generation processors)<br>Integrated Intel® HD Graphics 510/530 (with Intel® 6th generation processors)<br>Supports optional discrete graphics Tower/Small Form Factor: 1GB/2GB AMD Radeon™ R5 430, 4GB AMD Radeon™ R7 450   |   |  |
| Memory <sup>2,3</sup>                   | 2 DIMM slots (2 SODIMM slots for Micro); Non-ECC dual-channel 2400MHz DDR4 SDRAM. (Memory performance on Intel® 6th generation processors will be at 2133MHz). Max memory 32GB  |   |  |
| Networking                              | Integrated Realtek® RTL8111H Ethernet LAN 10/100/1000<br>Optional wireless: Intel® 8265 802.11ac+ Bluetooth 4.2 <sup>13</sup> card;<br>Intel® 3165 802.11ac+ Bluetooth 4.2 <sup>14</sup> card   |   |  |
| I/O Ports                               | <p><b>Tower/Small Form Factor:</b> 8 External USB: 4 x USB 3.1 Gen 1 (2 front/2 rear) and 4 x USB 2.0 (2 front/2 rear); 2 Internal USB 2.0; 1 RJ-45; 1 Display Port 1.2; 1 HDMI 1.4; 1 UAJ, 1 Line-out; 1 VGA (optional); Serial+PS/2 (optional)</p> <p><b>Micro:</b> 6 External USB: 4 x USB 3.1 Gen 1 (2 front/2 rear) and 2 x USB 2.0 (2 rear); 1 RJ-45; 1 HDMI 1.4; 1 Display Port 1.2; 1 UAJ (front); 1 Line-out (front); additional DisplayPort 1.2 (optional); 1 VGA (optional); Serial+PS2 (optional); Serial (optional)</p>  |   |  |
| Security Options                        | Trusted Platform Module <sup>6</sup> TPM 1.2 or 2.0, Dell Data Protection  Encryption, Microsoft Windows Bitlocker, Local HDD data wipe via BIOS ("Secure Erase"), Encryption - SED HDD (Opal FIPS), Chassis lock slot support, Lockable Port Cover, Chassis Intrusion Switch, D-Pedigree (Secure Supply Chain Functionality ), Setup/BIOS Password, Optional Smart Card keyboards, Intel® Trusted Execution Technology, Intel® Identity Protection Technology, Dell Secure Works, firmware support for optional Absolute Data & Device Security (formerly Computrace) <sup>7</sup> , Intel Software Guard eXtensions |   |  |
| Storage <sup>4</sup> Options (internal) | Hard disk drives: up to 2 TB; solid state drives: up to 512 GB.<br>Dual storage support<br>Supports Hybrid, Opal SED FIPS, M.2 PCIe Solid State Drive<br>Intel® Optane™ Memory Ready  | <b>Environmental, Ergonomic, &amp; Regulatory Standards</b> | Environmental Standards (eco-labels): ENERGY STAR 6.1 qualified, EPEAT Registered <sup>9</sup> , TCO Certified, CEL, WEEE, Japan Energy Law, South Korea E-standby, South Korea Eco-label, EU RoHS, China RoHS <sup>14</sup> . Please see your local representative or <a href="http://www.dell.com">www.dell.com</a> for specific details |
| Removable Media Options                 | Supports optional optical disc drives and media card reader (Tower/ Small Form Factor only)   | <b>Configuration Services</b>                               | Factory Image load. BIOS Customization. Hardware Customization, asset tagging and reporting  |
| Systems Management Options <sup>8</sup> | Dell Client Command Suite for in-band systems management  | <b>Warranty</b>   | Limited Hardware Warranty <sup>10</sup> ; Standard Next Business Day On Site Service after Remote Diagnosis <sup>11</sup> ; Optional Dell ProSupport offers premium support from expert technicians and 24x7 availability <sup>12</sup>  |

| Chassis  | Tower  | Small Form Factor  | Micro   |
|--|--|--|---|
| <b>Dimensions<br/>(H x W x D)(inches/cm)</b>     | 13.8 x 6.1 x 10.8 /<br>35 x 15.4 x 27.4  | 11.4 x 3.7 x 11.5 /<br>29 x 9.7 x 29.2   | 7.2 x 1.4 x 7.0<br>18.2 x 3.6 x 17.8  |
| <b>Min. Weight (lbs/kg)</b>                      | 17.49 / 7.93   | 11.42 / 5.14   | 2.6 / 1.18  |
| <b>Number of Bays</b>                            | 1 internal 3.5" HDD<br>2 internal 2.5"<br>HDD/SSD<br>1 external slim ODD   | 1 x 3.5" HDD or<br>2.5" HDD/SDD<br>1 external slim ODD   | 1 internal 2.5" bay   |
| <b>Expansion Slots</b>                           | 1 full height PCIe x16<br>3 full height PCIe x1<br>1 M.2 (22x80mm /<br>22x42mm)  | 1 half height PCIe x16<br>1 half height PCIe x1<br>1 M.2 (22x80mm /<br>22x42mm)  | 1 M.2 (22x30mm)<br>1 M.2 (22x80mm /<br>22x42mm)   |
| <b>Power Supply<sup>1,5</sup><br/>Unit (PSU)</b> | Standard 240W PSU<br>Active PFC<br>240W typical 85%<br>Efficient PSU (80 PLUS<br>Bronze) ENERGY STAR<br>compliant,<br>Active PFC<br>240W typical 92%<br>Efficient PSU (80 PLUS<br>Platinum); ENERGY<br>STAR compliant,<br>Active PFC | Standard 180W PSU<br>Active PFC<br>180W typical 85%<br>Efficient PSU (80 PLUS<br>Bronze) ENERGY STAR<br>compliant,<br>Active PFC<br>180W typical 92%<br>Efficient PSU (80 PLUS<br>Platinum); ENERGY<br>STAR compliant,<br>Active PFC | 65W external adapter<br>with 87% minimum<br>average efficiency for<br>use with 35W processors |

## Essential Accessories

### OptiPlex 3050 Tower, Small Form Factor and Micro



Dell OptiPlex  
Small Form Factor  
All-in-One Stand



Dell OptiPlex Micro  
All-in-One Stand



Dell OptiPlex Micro  
DVD+/-RW  
Drive Enclosure



Dell OptiPlex Micro  
VESA Mount



Dell OptiPlex Micro  
All in One Mount for  
E-Series Displays



Dell Pro Stereo  
Headset UC350



Dell OptiPlex Tower  
or Small Form Factor  
Cable Cover



Dell Wireless  
Keyboard and  
Mouse KM636



Dell 24 Monitor  
P2417H  
(dual set up)





Compact, flexible desktops designed  
to provide all the essentials your  
business needs.

### OptiPlex 3050 Tower, Small Form Factor and Micro

Discover professional class desktops at [www.dell.com/OptiPlex](http://www.dell.com/OptiPlex)

1. Offering and availability may vary by region. Some items available after product introduction. For complete details, refer to the Technical Guidebook published on [www.dell.com](http://www.dell.com).
2. System Memory and Graphics: Significant system memory may be used to support graphics, depending on system memory size and other factors.
3. 4GB or Greater System Memory Capability: A 64-bit operating system is required to support 4GB or more of system memory.
4. Storage: GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.
5. PSU: This form factor utilizes a more efficient Active Power Factor Correction (APFC) power supply. Dell recommends only Universal Power Supplies (UPS) based on Sine Wave output for APFC PSUs, not an approximation of a Sine Wave, Square Wave, or quasi-Square Wave (see UPS technical specifications). If you have questions please contact the manufacturer to confirm the output type.
6. TPM: Not available in all regions.
7. Absolute Data & Device Security (formerly Computrace): Not a Dell offer. Certain conditions apply. For full details, see terms and conditions at [www.lojackforlaptops.com](http://www.lojackforlaptops.com).
8. In-Band Systems Management - This option entirely removes Intel out of band systems (OOB) management features. The system can still support in band management. OOB management support through AMT cannot be upgraded post-purchase.
9. Please refer to [www.epeat.net](http://www.epeat.net) for specific country registration rating and participation.
10. Limited Hardware Warranty: For copy of Ltd Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see [www.dell.com/warranty](http://www.dell.com/warranty).
11. Onsite Service after Remote Diagnosis: Remote Diagnosis is determination by online/phone technician of cause of issue; may involve customer access to inside of system and multiple or extended sessions. If issue is covered by Limited Hardware Warranty ([www.dell.com/warranty](http://www.dell.com/warranty)) and not resolved remotely, technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply.
12. Availability and terms of Dell Services vary by region. For more information, visit [www.dell.com/servicedescriptions](http://www.dell.com/servicedescriptions).
13. Particular versions of Microsoft Windows may not support the full Bluetooth 4.2 functionality
14. For a complete listing of declarations and certifications, refer to the Dell Regulatory and Environmental Datasheet found in the Manuals section of Product Support information <http://www.dell.com/support/home/us/en/19>



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Giving Shape to Ideas



Brings the benefits of MFP performance to your desktop

All-in-one productivity means you can easily print, copy, scan and distribute information

Built-in intelligent fax capability

Fast color scanning to multiple destinations

Monochrome print/copy output at up to 25ppm

Expandable paper capacity to work efficiently with less reloading

Standard 80-sheet duplexing auto document feeder

Toner capacity of 20,000 sheets lowers cost of ownership

## bizhub 25e

MONOCHROME COMPACT MULTIFUNCTION PRINTER

mfp



mfp

# bizhub 25e

COMPACT MONOCHROME MULTIFUNCTION PRINTER



## Overview

|                   |   |
|-------------------|---|
| <b>bizhub 25e</b> | A business professional that out-performs ordinary all-in-one devices, the bizhub 25e is a real workhorse – combining 25 ppm monochrome print/copy output, fast color scanning with duplexing auto document feeder, standard high-speed fax, 2,100-sheet maximum paper capacity and energy-saving operation to help control your costs. |
|-------------------|---|

## System Specifications

|                                  |   |
|----------------------------------|---|
| <b>System memory</b>             | 512 MB  |
| <b>Interface</b>                 | 10-Base-T/100-Base-TX, USB 2.0  |
| <b>Network protocols</b>         | TCP/IP (IPv4, IPv6) / IPP, SNMP, HTTP, HTTPS  |
| <b>Frame types</b>               | Ethernet II   |
| <b>Automatic document feeder</b> | Up to 80 originals / 5.5" x 8.5" to 8.5" x 14" / 35-128 gsm duplexing automatic document feeder         |
| <b>Printable paper size</b>      | 4" x 6" to 8.5" x 14"<br>Custom paper sizes: 3.6" to 8.5" (W) to 5.5" x 14" (L)                         |
| <b>Printable paper weight</b>    | 60-160 gsm  |
| <b>Paper input capacity</b>      | <b>Standard:</b> 600 sheets <b>Max.:</b> 2,100 sheets   |
| <b>Tray 1</b>                    | 500 sheets, 5.5" x 8.5" to 8.5" x 14", 60-90 gsm  |
| <b>Tray 2- 4 (optional)</b>      | 500 sheets each, 5.5" x 8.5" to 8.5" x 14", 60-90 gsm   |
| <b>Manual bypass</b>             | 100 sheets, 4" x 6" to 8.5" x 14"<br>Custom paper sizes: 3.6" to 8.5" (W) to 5.5" x 14" (L), 60-160 gsm |
| <b>Automatic duplexing</b>       | 4" x 6" to 8.5" x 14" / 60-90 gsm   |
| <b>Output capacity</b>           | <b>Std.:</b> 250 sheets / <b>Max.:</b> 350 sheets (incl. optional external job separator)               |
| <b>Copy/print volume</b>         | <b>Max.:</b> 50,000 pages <sup>1</sup>  |
| <b>Toner lifetime</b>            | Up to 20,000 pages  |
| <b>Drum lifetime</b>             | Up to 42,000 pages  |
| <b>Power consumption</b>         | 120 V / 60 Hz, Less than 1.09 kW  |
| <b>System dimensions</b>         | 20.5" x 20.2" x 20.0" (W x D x H)   |
| <b>System weight</b>             | Approx. 53 lb   |

## Copier Specifications

|                          |  |
|--------------------------|--|
| <b>Copying process</b>   | Electrostatic LED copy, mono component   |
| <b>Toner system</b>      | Polymerized Toner  |
| <b>Print speed</b>       | Up to 25 ppm   |
| <b>Autoduplex speed</b>  | Up to 10 ppm   |
| <b>1st copy out time</b> | 5 sec.   |
| <b>Warm-up time</b>      | Approx. 12 sec. <sup>2</sup>   |
| <b>Print resolution</b>  | 600 x 600 dpi  |
| <b>Multi copy</b>        | 1-99   |
| <b>Gradation</b>         | 256 gradations   |
| <b>Original format</b>   | <b>Max.:</b> Up to 8.5" x 14"  |
| <b>Magnification</b>     | 25-400% in 1% steps  |
| <b>Copy functions</b>    | Duplex copy, electronic sorting, rotation copy, 2-in-1, 4-in-1, ID card copy, custom size settings |

## Printer Specifications

|                          |   |
|--------------------------|---|
| <b>Print resolution</b>  | 600 x 600 dpi   |
| <b>PDL</b>               | GDI, PCL 5e/XL, PostScript 3 (optional), PDF direct print (optional), Barcode and OCR fonts printing (optional)   |
| <b>Operating systems</b> | Windows (x32/x64): XP / Vista / 7 / 8<br>Windows Server (x32/x64): 2003 / 2008 / 2008 R2 / 2012<br>Macintosh OS X 10.x or later<br>UNIX / Linux / Citrix<br>SAP<br>AS/400 |
| <b>Printer fonts</b>     | 80 PCL Latin, 136 PostScript 3 Emulation Latin (optional),<br>32 Barcode/OCR (optional)   |
| <b>Print functions</b>   | Duplex printing, cover sheet, electronic sorting, density adjustment, toner save mode, n-up, watermark (only PCL, PostScript 3), secure print                             |

## Scanner Specifications

|                          |   |
|--------------------------|---|
| <b>Scan speed</b>        | B&W: Up to 40 opm / Color: Up to 27 opm   |
| <b>Scan resolution</b>   | Max.: 600 x 600 dpi   |
| <b>Scan modes</b>        | Scan-to-Email, Scan-to-SMB, Scan-to-FTP, Scan-to-USB, Scan-to-Evernote, TWAIN local/network |
| <b>File formats</b>      | PDF, encrypted PDF, TIFF, JPEG  |
| <b>Scan destinations</b> | 1,030 (single + group) / LDAP support   |

## Fax Specifications

|                     |                                      |
|---------------------|--------------------------------------|
| <b>Standard</b>     | Super G3                             |
| <b>Transmission</b> | Analogue PC-Fax, i-Fax reception     |
| <b>Resolution</b>   | Max.: Up to 400 dpi                  |
| <b>Compression</b>  | MH, MR, MMR,JBIG                     |
| <b>Modem</b>        | Up to 33.6 Kbps                      |
| <b>Destinations</b> | 1,030                                |
| <b>Functions</b>    | Time shift, automatic fax forwarding |

## Options

|  |  |
|--|--|
| <b>PF-508 Paper tray</b>                         | 8.5" x 11" to 8.5" x 14", 500 sheets, up to 90 gsm / up to 3 can be installed    |
| <b>SCD-26S Copier desk small</b>                 | Provides storage space for print media, etc., in case 3 PF-508 are installed     |
| <b>SCD-26L Copier desk large</b>                 | Provides storage space for print media, etc., in case 1 or 2 PF-508 is installed |
| <b>JS-604 External job separator</b>             | Additional output tray, separation for fax output etc.                           |
| <b>PS-505</b>                                    | PostScript 3 printing  |
| <b>PostScript 3 enabler</b>                      |  |
| <b>BC-904 Barcode print</b>                      | Barcode printing   |
| <b>PS-506 PostScript 3, barcode, OCR enabler</b> | PostScript 3 printing including Barcode and OCR font printing                    |
| <b>EM-905 PostScript memory upgrade (1 GB)</b>   | SD card memory extension, enables PCL PDF direct printing                        |
| <b>MC-901</b>                                    | Mechanical hard counter for quick access to machine print counts                 |
| <b>Mechanical counter</b>                        |  |
| <b>SX-4600WAN</b>                                | Provides wireless connectivity   |
| <b>Wireless LAN</b>                              |  |
| <b>Panel overlay kit (FR)</b>                    | Panel overlay for French language users / Includes French drivers                |
| <b>Panel overlay kit (SP)</b>                    | Panel overlay for Spanish language users / Includes Spanish drivers              |
| <b>SP-504 Fax stamp kit</b>                      | Installed in RADF / Stamps fax originals   |

## System Features

|                   |   |
|-------------------|---|
| <b>Security</b>   | Mac address blocking, IP address blocking, SSL, HTTPS, encrypted PDF, user authentication, secure print       |
| <b>Accounting</b> | Up to 100 user accounts, Active Directory 2003 support, user function access definition (user access control) |

<sup>1</sup> Maximum Monthly Duty Cycle describes the maximum number of pages a device can output on a monthly basis. This specification is a guideline intended to offer a comparison of durability as it relates to the entire Konica Minolta MFP and printer product line so that the appropriate device can be placed in order to meet customer needs.

<sup>2</sup> Warm-up time may vary depending on the operating environment and usage



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Item #: 25ESS  
1/15 - S

# 12" Wide Designer Lockers

## Double Tier "S" Style

### 12" WIDE DOUBLE TIER "S" STYLE DESIGNER WOOD LOCKERS 5' HIGH AND 6' HIGH

Constructed of industrial grade particleboard and covered with durable high pressure laminate, Salsbury 37000 series 12" wide double tier "S" style designer wood lockers are ideal for settings where a professional environment is desired. 12" wide double tier "S" style designer wood lockers feature a gray, blue, black, maple, cherry or mahogany finish and are available in 15", 18" and 21" depths. 12" wide double tier "S" style designer wood lockers are available in heights of five (5) feet and six (6) feet and include a 4" high black base (add 4" for the base). Optional matching laminated sloping hoods and side panels easily attach to double tier "S" style designer lockers and provide a finished look to an individual locker or a row of lockers. All locker doors are 12" W x 3 1/4" D and include a black name / number plate (custom engraving #33360 is available as an option upon request). All locker doors also include heavy duty concealed hinges and a lift up handle and recessed hasp for added security – built-in locks (#33310 for combination and #33315 for key), padlocks (#33320 for combination and #33325 for key), electronic locks (#33390) and resettable combination locks (#33395) are available as options upon request. One wide double tier "S" style designer lockers are available as fully assembled units only. Three (3) wide double tier "S" style designer lockers are also available as fully assembled units only and require minor assembly - see all designer locker options and locks on pages 82-83.

#### DESIGNER LOCKER OPTIONS

##### NO. 671 LOCKERS

SLOPING HOOD

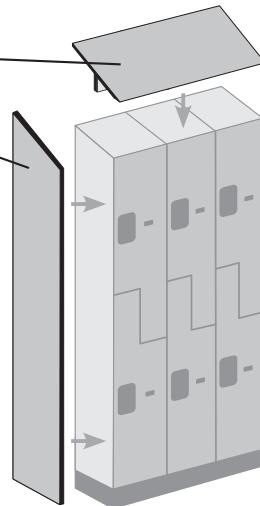
SIDE PANEL

Note: Optional sloping hoods and side panels are sold separately.

The **double tier "S" style designer locker** increases each compartment to 34 3/4" high for five (5) feet high lockers or 40 3/4" high for six (6) feet high lockers on one side to accommodate garments. Each compartment includes a 5" deep shelf and a double prong ceiling hook.

##### Compartment sizes:

- 10 3/4" W for all lockers
- 34 3/4" H for 5' high lockers (on one side)
- 40 3/4" H for 6' high lockers (on one side)
- 13 3/4" D for 15" deep lockers
- 16 3/4" D for 18" deep lockers
- 19 3/4" D for 21" deep lockers



Note: It is recommended that all lockers be wall and/or floor anchored.

See **ALL** designer locker options and locks on pages 82-83

See **ALL** benches on pages 106-111

See matching designer wood storage cabinets on pages 116-117

**Volume Discount Pricing  
Available at [Lockers.com](http://Lockers.com)!**



#37351's with optional sloping hoods (#33354), side panels (#33306), built-in electronic locks (#33390), engraved name / number plates (#33360) and designer wood locker benches (#77788D) displayed

# 5' HIGH LOCKERS

## 12" WIDE DOUBLE TIER "S" STYLE - ONE WIDE

| MODEL                               | UNIT SIZE             | WEIGHT   | PRICE    |  |
|-------------------------------------|-----------------------|--|----------|--|
| <b>ONE WIDE</b> - (64" H with base) |                       | <b>Compartment Size*</b> : 10-3/4" W x 34-3/4" H |          |  |
| 37155 <sup>1</sup>                  | 12" W x 60" H x 15" D | 85 lbs.  | \$300.00 |  |
| 37158 <sup>1</sup>                  | 12" W x 60" H x 18" D | 100 lbs.   | \$330.00 |  |
| 37151 <sup>1</sup>                  | 12" W x 60" H x 21" D | 115 lbs.   | \$360.00 |  |

## 12" WIDE DOUBLE TIER "S" STYLE - THREE WIDE

| MODEL                                 | UNIT SIZE             | WEIGHT   | PRICE    |  |
|---------------------------------------|-----------------------|--|----------|--|
| <b>THREE WIDE</b> - (64" H with base) |                       | <b>Compartment Size*</b> : 10-3/4" W x 34-3/4" H |          |  |
| 37355 <sup>1</sup>                    | 36" W x 60" H x 15" D | 255 lbs.   | \$810.00 |  |
| 37358 <sup>1</sup>                    | 36" W x 60" H x 18" D | 300 lbs.   | \$890.00 |  |
| 37351 <sup>1</sup>                    | 36" W x 60" H x 21" D | 345 lbs.   | \$970.00 |  |



37158



37358

**Designer Lockers displayed with optional side panels**

*(side panels sold separately)*

# 6' HIGH LOCKERS

## 12" WIDE DOUBLE TIER "S" STYLE - ONE WIDE

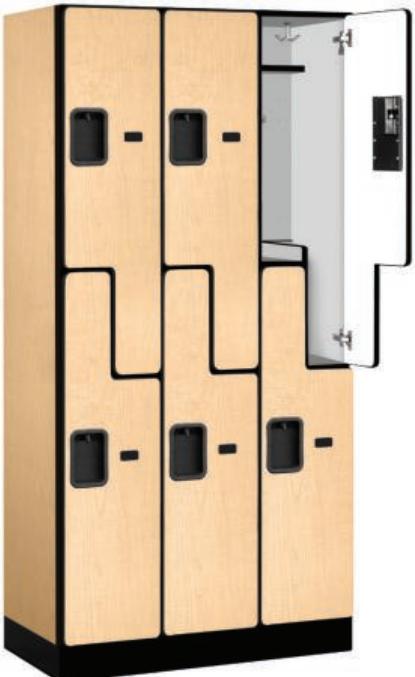
| MODEL                               | UNIT SIZE             | WEIGHT   | PRICE    |  |
|-------------------------------------|-----------------------|--|----------|--|
| <b>ONE WIDE</b> - (76" H with base) |                       | <b>Compartment Size*</b> : 10-3/4" W x 40-3/4" H |          |  |
| 37165 <sup>1</sup>                  | 12" W x 72" H x 15" D | 95 lbs.  | \$320.00 |  |
| 37168 <sup>1</sup>                  | 12" W x 72" H x 18" D | 110 lbs.   | \$350.00 |  |
| 37161 <sup>1</sup>                  | 12" W x 72" H x 21" D | 125 lbs.   | \$380.00 |  |

## 12" WIDE DOUBLE TIER "S" STYLE - THREE WIDE

| MODEL                                 | UNIT SIZE             | WEIGHT   | PRICE      |  |
|---------------------------------------|-----------------------|--|------------|--|
| <b>THREE WIDE</b> - (76" H with base) |                       | <b>Compartment Size*</b> : 10-3/4" W x 40-3/4" H |            |  |
| 37365 <sup>1</sup>                    | 36" W x 72" H x 15" D | 285 lbs.   | \$870.00   |  |
| 37368 <sup>1</sup>                    | 36" W x 72" H x 18" D | 330 lbs.   | \$950.00   |  |
| 37361 <sup>1</sup>                    | 36" W x 72" H x 21" D | 375 lbs.   | \$1,030.00 |  |



37168



37368

\* Compartment depth is 1-1/4" less than overall unit depth.

<sup>1</sup> Specify



gray



blue



black



maple



cherry



mahogany

# Designer Locker Options & Locks

for lockers on pages 62-81



## SLOPING HOODS

| MODEL                       | DESCRIPTION   | WEIGHT  | PRICE    |
|-----------------------------|---|---------|----------|
| <b>FOR 12" WIDE LOCKERS</b> |   |         |          |
| 33357 <sup>1</sup>          | Sloping hood - for 12" wide lockers - 15" deep - one wide       | 3 lbs.  | \$40.00  |
| 33359 <sup>1</sup>          | Sloping hood - for 12" wide lockers - 15" deep - three (3) wide | 9 lbs.  | \$100.00 |
| 33353 <sup>1</sup>          | Sloping hood - for 12" wide lockers - 18" deep - one wide       | 3 lbs.  | \$45.00  |
| 33356 <sup>1</sup>          | Sloping hood - for 12" wide lockers - 18" deep - three (3) wide | 9 lbs.  | \$115.00 |
| 33352 <sup>1</sup>          | Sloping hood - for 12" wide lockers - 21" deep - one wide       | 4 lbs.  | \$50.00  |
| 33354 <sup>1</sup>          | Sloping hood - for 12" wide lockers - 21" deep - three (3) wide | 12 lbs. | \$125.00 |
| <b>FOR 15" WIDE LOCKERS</b> |   |         |          |
| 22251 <sup>1</sup>          | Sloping hood - for 15" wide lockers - 18" deep - one wide       | 4 lbs.  | \$50.00  |
| 22253 <sup>1</sup>          | Sloping hood - for 15" wide lockers - 18" deep - three (3) wide | 12 lbs. | \$125.00 |
| 22252 <sup>1</sup>          | Sloping hood - for 15" wide lockers - 21" deep - one wide       | 5 lbs.  | \$60.00  |
| 22254 <sup>1</sup>          | Sloping hood - for 15" wide lockers - 21" deep - three (3) wide | 15 lbs. | \$150.00 |
| 22255 <sup>1</sup>          | Sloping hood - for 15" wide lockers - 24" deep - one wide       | 6 lbs.  | \$70.00  |
| 22257 <sup>1</sup>          | Sloping hood - for 15" wide lockers - 24" deep - three (3) wide | 18 lbs. | \$175.00 |

## SIDE PANELS

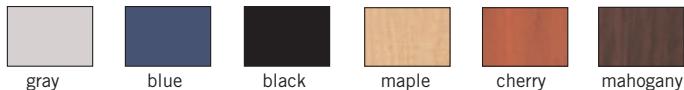
| MODEL                       | DESCRIPTION   | WEIGHT  | PRICE    |
|-----------------------------|---|---------|----------|
| <b>FOR 15" DEEP LOCKERS</b> |   |         |          |
| 33300 <sup>1</sup>          | Side panel - for 5 feet high - without sloping hood | 15 lbs. | \$90.00  |
| 33309 <sup>1</sup>          | Side panel - for 5 feet high - with sloping hood    | 15 lbs. | \$100.00 |
| 33330 <sup>1</sup>          | Side panel - for 6 feet high - without sloping hood | 15 lbs. | \$90.00  |
| 33339 <sup>1</sup>          | Side panel - for 6 feet high - with sloping hood    | 15 lbs. | \$100.00 |
| <b>FOR 18" DEEP LOCKERS</b> |   |         |          |
| 33303 <sup>1</sup>          | Side panel - for 5 feet high - without sloping hood | 17 lbs. | \$100.00 |
| 33304 <sup>1</sup>          | Side panel - for 5 feet high - with sloping hood    | 17 lbs. | \$110.00 |
| 33333 <sup>1</sup>          | Side panel - for 6 feet high - without sloping hood | 17 lbs. | \$100.00 |
| 33334 <sup>1</sup>          | Side panel - for 6 feet high - with sloping hood    | 17 lbs. | \$110.00 |
| <b>FOR 21" DEEP LOCKERS</b> |   |         |          |
| 33305 <sup>1</sup>          | Side panel - for 5 feet high - without sloping hood | 20 lbs. | \$110.00 |
| 33306 <sup>1</sup>          | Side panel - for 5 feet high - with sloping hood    | 20 lbs. | \$120.00 |
| 33335 <sup>1</sup>          | Side panel - for 6 feet high - without sloping hood | 20 lbs. | \$110.00 |
| 33336 <sup>1</sup>          | Side panel - for 6 feet high - with sloping hood    | 20 lbs. | \$120.00 |
| <b>FOR 24" DEEP LOCKERS</b> |   |         |          |
| 22237 <sup>1</sup>          | Side panel - for 6 feet high - without sloping hood | 25 lbs. | \$120.00 |
| 22238 <sup>1</sup>          | Side panel - for 6 feet high - with sloping hood    | 25 lbs. | \$130.00 |

## ADDITIONAL COMPARTMENT SHELVES

| MODEL                       | DESCRIPTION   | WEIGHT | PRICE   |
|-----------------------------|---|--------|---------|
| <b>FOR 12" WIDE LOCKERS</b> |   |        |         |
| 33394                       | Compartment shelf - for 12" wide lockers - 15" deep - black | 3 lbs. | \$20.00 |
| 33398                       | Compartment shelf - for 12" wide lockers - 18" deep - black | 3 lbs. | \$25.00 |
| 33391                       | Compartment shelf - for 12" wide lockers - 21" deep - black | 4 lbs. | \$30.00 |
| <b>FOR 15" WIDE LOCKERS</b> |   |        |         |
| 22298                       | Compartment shelf - for 15" wide lockers - 18" deep - black | 4 lbs. | \$25.00 |
| 22291                       | Compartment shelf - for 15" wide lockers - 21" deep - black | 5 lbs. | \$30.00 |
| 22294                       | Compartment shelf - for 15" wide lockers - 24" deep - black | 5 lbs. | \$35.00 |

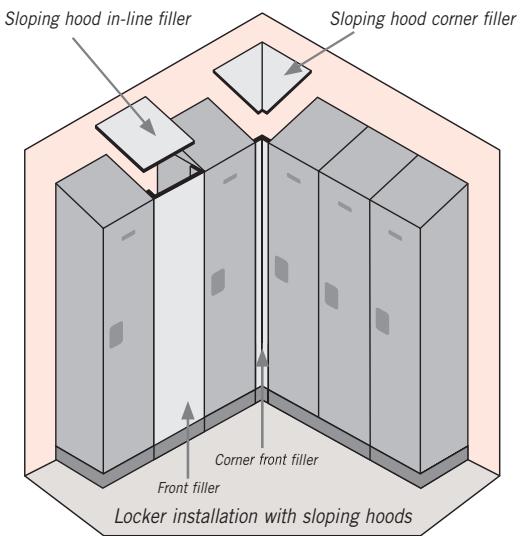
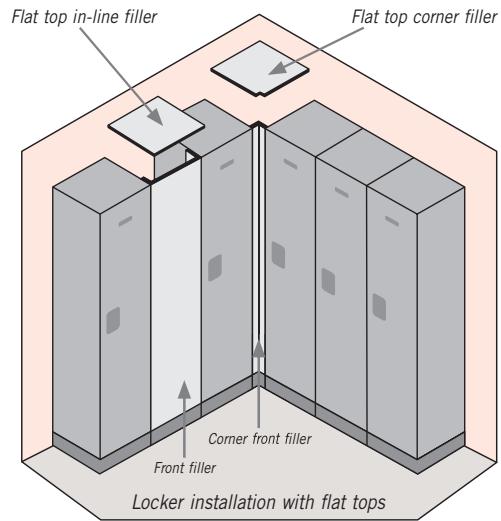
 For ADA Compliance Guidelines Visit: [www.lockers.com/ADA-Designer-Wood-Lockers](http://www.lockers.com/ADA-Designer-Wood-Lockers)

<sup>1</sup> Specify



## LOCKER FILLERS

Salsbury locker fillers are an ideal option for locker installations that encounter obstructions such as pipes, columns and other obstacles. Corner and in-line fillers overlay gaps between the existing locker tops and are easily attached providing a finished look to the locker installation. Vertical front fillers provide a professional appearance to the locker installation. Locker fillers can be easily field cut for custom installations.



### TOP FILLERS - CORNER

| MODEL              | DESCRIPTION   | WEIGHT | PRICE   |
|--------------------|---|--------|---------|
| 33337 <sup>1</sup> | Flat top filler - corner - for 15" deep lockers     | 4 lbs. | \$50.00 |
| 33338 <sup>1</sup> | Flat top filler - corner - for 18" deep lockers     | 4 lbs. | \$60.00 |
| 33331 <sup>1</sup> | Flat top filler - corner - for 21" deep lockers     | 5 lbs. | \$70.00 |
| 22239 <sup>1</sup> | Flat top filler - corner - for 24" deep lockers     | 5 lbs. | \$70.00 |
| 33377 <sup>1</sup> | Sloping hood filler - corner - for 15" deep lockers | 5 lbs. | \$60.00 |
| 33378 <sup>1</sup> | Sloping hood filler - corner - for 18" deep lockers | 5 lbs. | \$70.00 |
| 33371 <sup>1</sup> | Sloping hood filler - corner - for 21" deep lockers | 6 lbs. | \$80.00 |
| 22279 <sup>1</sup> | Sloping hood filler - corner - for 24" deep lockers | 6 lbs. | \$80.00 |

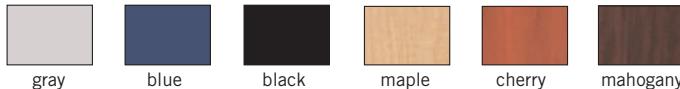
### TOP FILLERS - IN-LINE

| MODEL              | DESCRIPTION   | WEIGHT | PRICE   |
|--------------------|---|--------|---------|
| 33347 <sup>1</sup> | Flat top filler - in-line - 15" wide - for 15" deep lockers     | 3 lbs. | \$40.00 |
| 33348 <sup>1</sup> | Flat top filler - in-line - 15" wide - for 18" deep lockers     | 3 lbs. | \$50.00 |
| 33341 <sup>1</sup> | Flat top filler - in-line - 15" wide - for 21" deep lockers     | 4 lbs. | \$60.00 |
| 22249 <sup>1</sup> | Flat top filler - in-line - 15" wide - for 24" deep lockers     | 4 lbs. | \$60.00 |
| 33387 <sup>1</sup> | Sloping hood filler - in-line - 15" wide - for 15" deep lockers | 4 lbs. | \$50.00 |
| 33388 <sup>1</sup> | Sloping hood filler - in-line - 15" wide - for 18" deep lockers | 4 lbs. | \$60.00 |
| 33381 <sup>1</sup> | Sloping hood filler - in-line - 15" wide - for 21" deep lockers | 5 lbs. | \$70.00 |
| 22289 <sup>1</sup> | Sloping hood filler - in-line - 15" wide - for 24" deep lockers | 5 lbs. | \$70.00 |

### FRONT FILLERS - VERTICAL

| MODEL  | DESCRIPTION                                       | WEIGHT  | PRICE    |
|--|---|---------|----------|
| <b>FOR 15, 18", 21" AND 24" DEEP LOCKERS</b> |   |         |          |
| 33369 <sup>1</sup>                           | Front filler - vertical - 9" wide - 72" high      | 10 lbs. | \$80.00  |
| 33367 <sup>1</sup>                           | Front filler - vertical - 15" wide - 72" high     | 15 lbs. | \$100.00 |
| 33364  | Corner front filler - vertical - black - 72" high | 5 lbs.  | \$50.00  |

<sup>1</sup> Specify



gray blue black maple cherry mahogany

## DESIGNER LOCKER LOCKS / NUMBER PLATES

| MODEL | DESCRIPTION   | PRICE   |
|-------|---|---------|
| 33310 | Built-in lock - combination style                             | \$15.00 |
| 33311 | Master control key - for built-in combination lock #33310     | \$10.00 |
| 33315 | Built-in lock - key style with (2) keys                       | \$15.00 |
| 33316 | Master control key - for built-in key lock #33315             | \$10.00 |
| 33399 | Key blanks - for #33315 built-in locks - box of (50)          | \$35.00 |
| 33320 | Padlock - combination style                                   | \$10.00 |
| 33321 | Master control key - for combination padlock #33320           | \$10.00 |
| 33325 | Padlock - key style with (2) keys                             | \$10.00 |
| 33329 | Key blanks - for #33325 key padlocks - box of (50)            | \$35.00 |
| 33390 | Electronic lock (specify: silver, black or gold finish)       | \$65.00 |
| 33393 | Custom lock installation - lock provided by owner             | \$10.00 |
| 33395 | Resettable combination lock (specify: silver or black finish) | \$30.00 |
| 33396 | Master control key - for resettable combination lock #33395   | \$10.00 |
| 33360 | Custom engraved number plates - 2-1/4" W x 1-1/8" H           | \$3.00  |



#33310



#33315



Sample recessed hasp with combination padlock (#33320) displayed



#33320



#33325



Sample electronic lock (#33390) in silver finish displayed



#33395



#33390

For single or multi-use applications.



# Larsen's®

## Architectural Series Fire Extinguisher Cabinets Submittal and Detail Sheet

PROJECT: \_\_\_\_\_

LOCATION: \_\_\_\_\_

MODEL NUMBER: \_\_\_\_\_

QUANTITY: \_\_\_\_\_

ARCHITECT: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

DATE: \_\_\_\_\_

DISTRIBUTOR: \_\_\_\_\_

**SPECIFICATIONS:**

All recessed and semi-recessed cabinets and surface-mounted steel cabinets have a heavy gauge, white baked enamel box. Surface-mounted cabinets with aluminum door and trim have a box constructed entirely of clear or color anodized aluminum. Surface-mounted cabinets with stainless steel door and trim have a box constructed entirely of 304 stainless steel with a #4 finish.

Steel and stainless steel cabinets have a full  $\frac{1}{2}$ " thick hollow metal heavy gauge door. Trims and doors feature one piece construction with satin finish pull handle, continuous matching hinge, and self-adjusting roller catch. Baked white enamel finish is standard for steel units. Stainless steel cabinets have a #4 finish, 304 stainless steel.

Aluminum cabinet doors and trims are extruded or fabricated aluminum with clear satin anodized finish. Aluminum door is  $\frac{1}{2}$ " thick with satin finish matching pull handle and hinge. Color anodized finishes are available as options.

**STEP 1:** Select cabinet model number from the dimensions on page 2 and indicate on the top of this sheet. To specify aluminum trim and door, use the prefix, "AL" before the model number. To specify stainless steel trim and door, use the prefix, "SS" before the model number. **Note:** Rough opening dimensions are larger for fire-rated cabinets. Please refer to separate Fire-Rated Cabinet Submittal and Detail Sheet.

**STEP 2: Select Door Style and Door Glazing (if applicable) below:**

|  |   |   |  |
|--|---|---|--|
| <input type="checkbox"/> Full Panel                  | <input type="checkbox"/> Horizontal Duo                 | <input type="checkbox"/> Vertical Duo                 | <input type="checkbox"/> Solid                 |
| <input type="checkbox"/> Full Panel with Larsen-Loc® | <input type="checkbox"/> Horizontal Duo with Larsen-Loc | <input type="checkbox"/> Vertical Duo with Larsen-Loc | <input type="checkbox"/> Solid with Larsen-Loc |

**DOOR GLAZING:**

- Clear Acrylic (Standard)
- Clear Tempered Safety Glass
- Clear Wire Glass
- Laminated Safety Glass
- Bronze Acrylic
- Gray Acrylic
- (Other) \_\_\_\_\_

\* Note: Solid Door with Larsen-Loc® can be specified as Institutional Door (access only with key) by deleting the pull handle and decal.

**STEP 5: Select Optional\* Die Cut Lettering Style and Color:**

|                                   |                                     |                                 |
|-----------------------------------|-------------------------------------|---------------------------------|
| <input type="checkbox"/> Vertical | <input type="checkbox"/> Horizontal | <input type="checkbox"/> Type A |
|-----------------------------------|-------------------------------------|---------------------------------|

Die cut lettering is available at additional cost. Standard application of lettering is on the metal section of the door - not on the glazing. Decals also are available and are shipped loose for jobsite application.

|   |   |
|---|---|
| <b>STEP 3: Indicate Trim and Door Material:</b>   | <b>STEP 4: Indicate Trim Projection Below:</b>  |
| <input type="checkbox"/> Steel<br><input type="checkbox"/> Aluminum (AL)<br><input type="checkbox"/> Stainless (SS)<br><input type="checkbox"/> Other (specify) _____ | <input type="checkbox"/> $\frac{1}{2}$ " Flat Trim Fully Recessed<br><input type="checkbox"/> $\frac{1}{2}$ " Square Trim Semi-Recessed<br><input type="checkbox"/> $2\frac{1}{2}$ " <input type="checkbox"/> $3\frac{1}{2}$ " <input type="checkbox"/> 4" <input type="checkbox"/> $4\frac{1}{2}$ " Rolled Edge Semi-Recessed*<br><input type="checkbox"/> $\frac{3}{4}$ " Plaster Stop Trimless †<br><input type="checkbox"/> Surface Mounted |

† Trimless cabinets must be installed before the drywall because their plaster stops must be behind the drywall.

Trimless cabinets are not recommended for block wall installation.

\* See back of this sheet or attached sheet for Recessed Handle (required only for 4" return trims when ADA wall projection compliance is necessary)

**LARSEN'S MANUFACTURING COMPANY - [www.larsensmfg.com](http://www.larsensmfg.com)**

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FLORIDA DIVISION: 3130 N.W. 17<sup>th</sup> Street, Ft. Lauderdale, FL 33311 Phone: (954) 486-3325 FAX: (954) 486-3352

## CABINET DIMENSIONS - ARCHITECTURAL SERIES

| Model Number                     | Trim Style and Projection | Inside Box Dimensions |        |       | Outside Trim Dimensions** |       | Rough Opening*** |         |        | Recommended Extinguisher Capacity |
|----------------------------------|---------------------------|-----------------------|--------|-------|---------------------------|-------|------------------|---------|--------|-----------------------------------|
|                                  |                           | Height                | Width  | Depth | Height                    | Width | Height           | Width   | Depth  |                                   |
| <input type="checkbox"/> 2409-R1 | Rec. 5/16"                | 24"                   | 9 1/2" | 5"    | 27 1/2"                   | 13"   | 25"              | 10 1/2" | 5 1/4" | MP2 1/2"                          |
| <input type="checkbox"/> 2409-5R | Semi-Rec. 1 1/2"          | 24"                   | 9 1/2" | 5"    | 27 1/2"                   | 13"   | 25"              | 10 1/2" | 4"     | MP5, MP5                          |
| <input type="checkbox"/> 2409-R3 | Semi-Rec. 2 1/2"          | 24"                   | 9 1/2" | 5"    | 27 1/2"                   | 13"   | 25"              | 10 1/2" | 3"     | DC 1/2, 5                         |
| <input type="checkbox"/> 2409-R2 | Rec. 5/16"                | 24"                   | 9 1/2" | 6"    | 27 1/2"                   | 13"   | 25"              | 10 1/2" | 6 1/4" | HT2 1/2, HT5                      |
| <input type="checkbox"/> 2409-R7 | Semi-Rec. 1 1/2"          | 24"                   | 9 1/2" | 6"    | 27 1/2"                   | 13"   | 25"              | 10 1/2" | 5"     | MP2 1/2", 5                       |
| <input type="checkbox"/> 2409-6R | Semi-Rec. 2 1/2"          | 24"                   | 9 1/2" | 6"    | 27 1/2"                   | 13"   | 25"              | 10 1/2" | 4"     | MP5-A,                            |
| <input type="checkbox"/> 2409-R4 | Semi-Rec. 3 1/2"          | 24"                   | 9 1/2" | 6"    | 27 1/2"                   | 13"   | 25"              | 10 1/2" | 3"     | DC2 1/2, DC3                      |
| <input type="checkbox"/> 2409-RM | Semi-Rec. 4 1/2"          | 24"                   | 9 1/2" | 6"    | 27 1/2"                   | 13"   | 25"              | 10 1/2" | 2"     | MP6, MP10                         |
| <input type="checkbox"/> 2409-RT | Trimless                  | 24"                   | 9 1/2" | 6"    | -                         | -     | †                | †       | 6 1/2" | DC6, DC10, CD5                    |
| <input type="checkbox"/> 2409-SM | Surface Mounted           | 27 1/2"               | 13"    | 6"    | 27 1/2"                   | 13"   | -                | -       | -      | HT2 1/2, HT5                      |
| <input type="checkbox"/> 2409-RA | Semi-Rec. 4"              | 24"                   | 9 1/2" | 6"    | 27 1/2"                   | 13"   | 25"              | 10 1/2" | 2 1/2" |                                   |

\* Depth is 4 3/4" when supplied with aluminum door and trim. The AL2409-5R has a 1 1/4" square trim.

|                                  |                  |         |         |        |         |         |     |     |        |                        |
|----------------------------------|------------------|---------|---------|--------|---------|---------|-----|-----|--------|------------------------|
| <input type="checkbox"/> 2712-R  | Rec. 5/16"       | 27"     | 12"     | 8"     | 30 1/2" | 15 1/2" | 28" | 13" | 8 1/4" | All of Above           |
| <input type="checkbox"/> 2712-RK | Semi-Rec. 1 1/4" | 27"     | 12"     | 8"     | 30 1/2" | 15 1/2" | 28" | 13" | 7 1/4" | PW2 1/2, MP20          |
| <input type="checkbox"/> 2712-RL | Semi-Rec. 2 1/2" | 27"     | 12"     | 8"     | 30 1/2" | 15 1/2" | 28" | 13" | 6"     | DC20, CD10             |
| <input type="checkbox"/> 2712-RM | Semi-Rec. 4 1/2" | 27"     | 12"     | 8"     | 30 1/2" | 15 1/2" | 28" | 13" | 4"     | WC-6L                  |
| <input type="checkbox"/> 2712-RT | Trimless         | 27"     | 12"     | 8"     | -       | †       | †   | †   | 8 1/2" | HT11, HT15 1/2         |
| <input type="checkbox"/> 2712-SM | Surface Mounted  | 30 1/2" | 15 1/2" | 8 1/2" | 30 1/2" | 15 1/2" | -   | -   | -      | 1/2, 1/2               |
| <input type="checkbox"/> 2712-RA | Semi-Rec. 4"     | 27"     | 12"     | 8"     | 30 1/2" | 15 1/2" | 28" | 13" | 4 1/2" |                        |
| <input type="checkbox"/> 2720-R  | Rec. 5/16"       | 27"     | 20"     | 8"     | 30 1/2" | 23 1/2" | 28" | 21" | 8 1/4" | Two Each of the listed |
| <input type="checkbox"/> 2720-RK | Semi-Rec. 1 1/4" | 27"     | 20"     | 8"     | 30 1/2" | 23 1/2" | 28" | 21" | 7 1/4" | PW2 1/2, MP10          |
| <input type="checkbox"/> 2720-RL | Semi-Rec. 2 1/2" | 27"     | 20"     | 8"     | 30 1/2" | 23 1/2" | 28" | 21" | 6"     | DC10, MP20             |
| <input type="checkbox"/> 2720-RM | Semi-Rec. 4 1/2" | 27"     | 20"     | 8"     | 30 1/2" | 23 1/2" | 28" | 21" | 4"     | DC20, CD5, D10         |
| <input type="checkbox"/> 2720-RT | Trimless         | 27"     | 20"     | 8"     | -       | -       | †   | †   | 8 1/2" | 6L, HT11, HT15 1/2     |
| <input type="checkbox"/> 2720-SM | Surface Mounted  | 30 1/2" | 23 3/2" | 8 1/2" | 30 1/2" | 23 1/2" | -   | -   | -      | 1/2, 1/2               |
| <input type="checkbox"/> 2720-RA | Semi-Rec. 4"     | 27"     | 20"     | 8"     | 30 1/2" | 23 1/2" | 28" | 21" | 4 1/2" |                        |
| <input type="checkbox"/> 3012-R  | Rec. 5/16"       | 30"     | 12"     | 8"     | 33 1/2" | 15 1/2" | 31" | 13" | 8 1/4" |                        |
| <input type="checkbox"/> 3012-RK | Semi-Rec. 1 1/4" | 30"     | 12"     | 8"     | 33 1/2" | 15 1/2" | 31" | 13" | 7 1/4" |                        |
| <input type="checkbox"/> 3012-RL | Semi-Rec. 2 1/2" | 30"     | 12"     | 8"     | 33 1/2" | 15 1/2" | 31" | 13" | 6"     |                        |
| <input type="checkbox"/> 3012-RM | Semi-Rec. 4 1/2" | 30"     | 12"     | 8"     | 33 1/2" | 15 1/2" | 31" | 13" | 4"     |                        |
| <input type="checkbox"/> 3012-RT | Trimless         | 30"     | 12"     | 8"     | -       | -       | †   | †   | 8 1/2" |                        |
| <input type="checkbox"/> 3012-SM | Surface Mounted  | 33 1/2" | 15 1/2" | 8 1/2" | 33 1/2" | 15 1/2" | -   | -   | -      |                        |
| <input type="checkbox"/> 3012-RA | Semi-Rec. 4"     | 30"     | 12"     | 8"     | 33 1/2" | 15 1/2" | 31" | 13" | 4 1/2" |                        |
| <input type="checkbox"/> 3612-R  | Rec. 5/16"       | 36"     | 12"     | 8"     | 39 1/2" | 15 1/2" | 37" | 13" | 8 1/4" | Same as 2712           |
| <input type="checkbox"/> 3612-RK | Semi-Rec. 1 1/4" | 36"     | 12"     | 8"     | 39 1/2" | 15 1/2" | 37" | 13" | 7 1/4" |                        |
| <input type="checkbox"/> 3612-RL | Semi-Rec. 2 1/2" | 36"     | 12"     | 8"     | 39 1/2" | 15 1/2" | 37" | 13" | 6"     |                        |
| <input type="checkbox"/> 3612-RM | Semi-Rec. 4 1/2" | 36"     | 12"     | 8"     | 39 1/2" | 15 1/2" | 37" | 13" | 4"     |                        |
| <input type="checkbox"/> 3612-RT | Trimless         | 36"     | 12"     | 8"     | -       | -       | †   | †   | 8 1/2" |                        |
| <input type="checkbox"/> 3612-SM | Surface Mounted  | 39 1/2" | 15 1/2" | 8 1/2" | 39 1/2" | 15 1/2" | -   | -   | -      |                        |
| <input type="checkbox"/> 3612-RA | Semi-Rec. 4"     | 36"     | 12"     | 8"     | 39 1/2" | 15 1/2" | 37" | 13" | 4 1/2" |                        |
| <input type="checkbox"/> 3216    | Rec. 5/16"       | 32"     | 16"     | 8"     | 35 1/2" | 19 1/2" | 33" | 17" | 8 1/4" |                        |
| <input type="checkbox"/> 3216    | Semi-Rec. 1 1/4" | 32"     | 16"     | 8"     | 35 1/2" | 19 1/2" | 33" | 17" | 7 1/4" |                        |
| <input type="checkbox"/> 3216 -  | Semi-Rec. 2 1/2" | 32"     | 16"     | 8"     | 35 1/2" | 19 1/2" | 33" | 17" | 6"     |                        |
| <input type="checkbox"/> 3216    | Semi-Rec. 4 1/2" | 32"     | 16"     | 8"     | 35 1/2" | 19 1/2" | 33" | 17" | 4"     |                        |
| <input type="checkbox"/> 3216 T  | Trimless         | 32"     | 16"     | 8"     | -       | -       | †   | †   | 8 1/2" |                        |
| <input type="checkbox"/> 3216    | Surface Mounted  | 35 1/2" | 19 1/2" | 8 1/2" | 35 1/2" | 19 1/2" | -   | -   | -      |                        |
| <input type="checkbox"/> 3216    | Semi-Rec. 4"     | 32"     | 16"     | 8"     | 35 1/2" | 19 1/2" | 33" | 17" | 4 1/2" |                        |

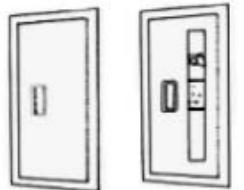
† Trimless cabinets must be installed before the drywall because their plaster stops must be behind the drywall.

Trimless cabinets are not recommended for block wall installation

\*\* Deduct 3/4" from HxW dimensions for cabinets with aluminum trim.

\*\*\* Rough openings are larger for fire-rated cabinets. Please refer to Fire-rated Cabinet Submittal and Detail Sheet.

NOTE: Semi-recessed and surface-mounted cabinet compliance with ADA wall projection guidelines depends on several location and installation issues. Please refer to <http://www.larsensmfg.com>

| <input type="checkbox"/> OPTIONAL "FIRE" HANDLE   |   | <input type="checkbox"/> OPTIONAL RECESSED HANDLE  |   |
|---|---|--|---|
| Optional die cast "Fire" Handle is available at additional cost. Natural finish is standard. Optional finishes are red, black, and white. |  | Optional recessed handle is available at additional cost for Solid, H-Duo or V-Duo Doors. Larsen-Loc® is also available with recessed handle. The recessed handle must be specified with 4" projecting trims in order for the cabinet to comply with ADA wall projection guidelines. |  |
| <input type="checkbox"/> Standard <input type="checkbox"/> Red <input type="checkbox"/> Black <input type="checkbox"/> White              |   | <input type="checkbox"/> Recessed Handle with Solid Door <input type="checkbox"/> Recessed Handle with V-Duo Door  |   |

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Clocks &amp; Time Clocks

Clocks

Analog Wall Clocks

prev See all 98 items in product family next



Rollover image to zoom in

## Frequently Purchased Together

ITW E-Z Ancor 29503 - Stud  
Solver 50 lb. Self-Drilling

Not Yet Rated

Add

\$1.35

ITW E-Z Ancor 10006 -  
Toggle Lock 100 lb. Self-

(1)

Add

\$1.97

Black Wall Clock - 12" -  
Plastic

(5)

Add

\$9.95

Quantity: 1

## Atomic Wall Clock - 14" - Stainless Steel

Item #: WG695324

Email | Print

Ships same day.

17 reviews | Write a review

Add to list

Price: \$ 19.95

## Customers Who Viewed This Product Also Viewed

Universal One Round  
Wall Clock, 13-1/2",  
BlackOversized Wall Clock  
20" - Aluminum

Wall Digital Clock

Product Information

Photo/Video Gallery

Customer Review

Product Q&amp;A

Accessories

## Global Industrial™ 14" Atomic Clock, Silver

This Atomic Clock automatically synchronizes the time several times a day based on a radio signal from Fort Collins, CO (WWVB). The Radio Controlled Clock never needs resetting and is accurate to the second. Atomic Clock features a 14" face with bold, black Arabic numerals making the time easy to read. It's classic style matches most decors and is a perfect fit for any office, classroom or space. Frame is constructed of stainless steel with a 2 mm thick glass lens. Requires one AA battery (included). Once you install the battery and choose one of four U. S. time zones, the clock automatically sets to the accurate time in hours, minutes, and seconds, and continues to adjust itself even for daylight savings time. No need to spend manpower adjusting time. FCC certified.

Clock Diameter: 14"  
Clock Depth: 2-1/2"

*Certain conditions such as, heavy storms or electro-magnetic interference may affect the signal strength. Not recommended for use in close proximity to mountains, power plants, and airports.*

## Product Specifications

Documents are in PDF format

WIDTH INCHES

14

DEPTH INCHES

2-1/2

HEIGHT INCHES

14

COLOR FINISH

Silver

DESCRIPTION

14" Atomic Clock

FACE COLOR

White

MANUFACTURERS PART NUMBER

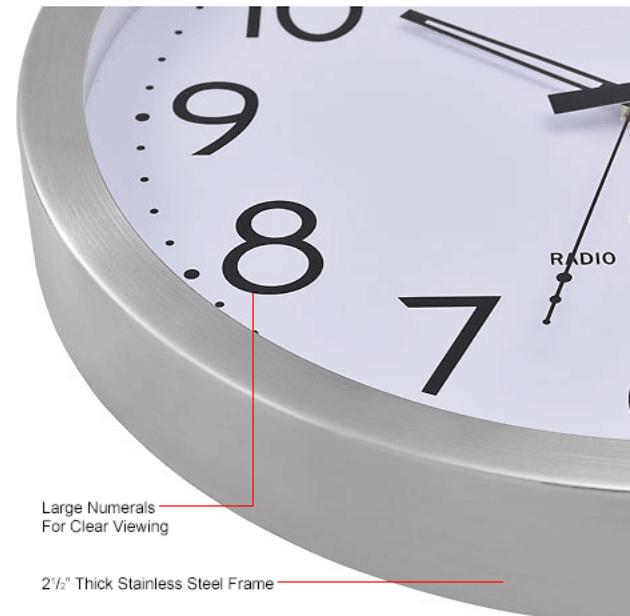
695324

MECHANISM

Atomic

BRAND

Global Industrial™

Large Numerals  
For Clear Viewing

2 1/2" Thick Stainless Steel Frame

## Have A Question About This Product?

2 Question | 2 | Answer

Read All Q&amp;A | Ask a Question

|             |                  |
|-------------|------------------|
| STYLE       | Radio Controlled |
| NUMBER TYPE | Arabic/Standard  |
| SHAPE       | Round            |
| FRAME COLOR | Silver           |
| TYPE        | Analog Clocks    |

[Answer A Question](#)**Customers Who Viewed This Also Viewed**

Black Wall Clock - 12" - Plastic

[\(5\)](#)**\$9.95**

Howard Miller® Chronicle Wall Clock w/ LCD Inset,

[Not Yet Rated](#)**\$36.95**

Universal One™ Whisper Quiet Clock, 12", Black

[Not Yet Rated](#)**\$10.25**

15" Wall Clock Battery Operated

[\(48\)](#)**\$24.95**

Wall Clock Double Sided Battery Operated

[\(6\)](#)**\$44.95**

Chicago Lighthouse 14.5" Round Electric Wall Clock,

[\(6\)](#)**\$28.95****SAVE BY EMAIL**

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# Profile+

Permanently Mounted Projection Screen with Thin Bezel Trim Frame

NO. 683 SCREEN, PROJECTION, FIXED

## Specifications—Profile+

\_\_\_\_\_ permanently tensioned projection screens, size \_\_\_\_\_ h. x \_\_\_\_\_ w. (viewing area), designed for wall mounting.  $\frac{1}{2}$ " (13mm) of black extruded thin bezel trim frame shall be visible from the front, and shall attach to hidden base frame using a compression fit. The face of the frame shall be less than  $1\frac{15}{16}$ " (4.5 cm) away from the wall, with a beveled back to give the screen the appearance of floating in front of the wall. Viewing surface to have  $\frac{3}{4}$ " (19mm) hem pocket on all four sides to accept screen insertion tubing. Surface wraps around and attaches to extruded base frame using extruded plastic strips, eliminating pulling and puckering inherent to fabric attachment utilizing snaps or hook & loop fabric strips. Matt White XT1000V and Grey XH600V viewing surfaces are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit [ul.com/gg](http://ul.com/gg). Base trim frame extrusions shall provide for up to  $1\frac{1}{2}$ " (38mm) of horizontal and vertical surface tension adjustability in  $\frac{3}{8}$ " (9.5mm) increments to combat screen stretch and sag over time. Frame equipped with mounting flange that mates with wall brackets. Available in custom sizes up to 30' (9.14m) wide. Patented by Draper, Inc. Patent information available at <http://www.draperinc.com/legal/patents/>. Downloadable 3-part specifications are available at [www.draperinc.com](http://www.draperinc.com). Entire unit certified by Underwriters' Laboratories for the U.S. and Canada. Plenum rated case (UL approved "Suitable for Use in Environmental Air Space"). Specifications subject to change without notice.



## Please Mark Appropriate Selections

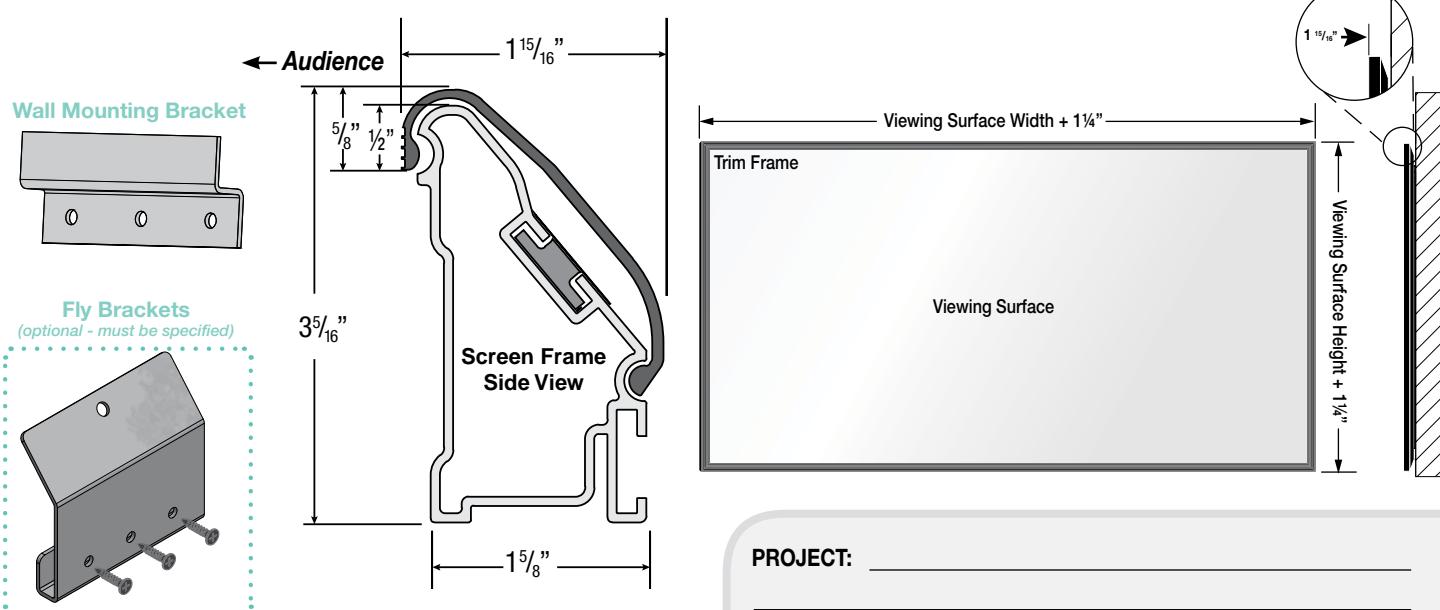
### Select Viewing Surface:

- Matt White XT1000V (1.0 gain): GREENGUARD Gold certified
- Grey XH600V (0.6 gain) (Thru 9' x 12'): GREENGUARD Gold certified
- Pearl White MH1500V (1.5 gain) (Thru 9' x 12'): Optional
- Pure White XT1300V (1.3 gain): Optional
- ReAct MS1000V (1.0 gain): Optional
- TecVision (Certified for Color Accuracy) Optional: \_\_\_\_\_
- Other: \_\_\_\_\_
- Black Frame (standard if no choice indicated)

## Dimensions & Data

| Nominal<br>Diagonal                | Image Area                                | Overall H x W                             | Net Wt.<br>(lbs.) | Qty. |
|------------------------------------|---|---|-------------------|------|
| <b>16:10 Format</b>                |   |   |                   |      |
| 94"                                | 50" x 80"                                 | 51 $\frac{1}{4}$ " x 81 $\frac{1}{4}$ "   | 76                |      |
| 109"                               | 57 $\frac{1}{2}$ " x 92"                  | 58 $\frac{3}{4}$ " x 93 $\frac{1}{4}$ "   | 80                |      |
| 113"                               | 60" x 96"                                 | 61 $\frac{1}{4}$ " x 97 $\frac{1}{4}$ "   | 84                |      |
| 123"                               | 65" x 104"                                | 66 $\frac{1}{4}$ " x 105 $\frac{1}{4}$ "  | 87                |      |
| 137"                               | 72 $\frac{1}{2}$ " x 116"                 | 73 $\frac{3}{4}$ " x 117 $\frac{1}{4}$ "  | 94                |      |
| 165"                               | 87 $\frac{1}{2}$ " x 140"                 | 88 $\frac{3}{4}$ " x 141 $\frac{1}{4}$ "  | 99                |      |
| 198"                               | 105" x 168"                               | 106 $\frac{1}{4}$ " x 169 $\frac{1}{4}$ " | 108               |      |
| 226"                               | 120" x 192"                               | 121 $\frac{1}{4}$ " x 193 $\frac{1}{4}$ " | 114               |      |
| 255"                               | 123" x 216"                               | 124 $\frac{1}{4}$ " x 217 $\frac{1}{4}$ " | 125               |      |
| 283"                               | 150" x 240"                               | 151 $\frac{1}{4}$ " x 241 $\frac{1}{4}$ " | 133               |      |
| <b>HDTV Format (16:9)</b>          |   |   |                   |      |
| 92"                                | 45" x 80"                                 | 46 $\frac{1}{4}$ " x 81 $\frac{1}{4}$ "   | 76                |      |
| 100"                               | 49" x 87"                                 | 50 $\frac{1}{4}$ " x 88 $\frac{1}{4}$ "   | 80                |      |
| 106"                               | 52" x 92"                                 | 53 $\frac{1}{2}$ " x 93 $\frac{1}{4}$ "   | 82                |      |
| 110"                               | 54" x 96"                                 | 55 $\frac{1}{4}$ " x 97 $\frac{1}{4}$ "   | 85                |      |
| 119"                               | 58" x 104"                                | 59 $\frac{1}{4}$ " x 105 $\frac{1}{4}$ "  | 89                |      |
| 133"                               | 65" x 116"                                | 66 $\frac{1}{4}$ " x 117 $\frac{1}{4}$ "  | 93                |      |
| 161"                               | 79" x 140"                                | 80 $\frac{1}{4}$ " x 141 $\frac{1}{4}$ "  | 98                |      |
| 193"                               | 94 $\frac{1}{2}$ " x 168"                 | 95 $\frac{3}{4}$ " x 169 $\frac{1}{4}$ "  | 105               |      |
| 220"                               | 108" x 192"                               | 109 $\frac{1}{4}$ " x 193 $\frac{1}{4}$ " | 110               |      |
| 248"                               | 121 $\frac{1}{2}$ " x 140"                | 122 $\frac{3}{4}$ " x 217 $\frac{1}{4}$ " | 122               |      |
| 275"                               | 135" x 240"                               | 136 $\frac{1}{2}$ " x 241 $\frac{1}{4}$ " | 130               |      |
| <b>CinemaScope Format (2.35:1)</b> |   |   |                   |      |
| 115"                               | 45" x 105 $\frac{3}{4}$ "                 | 46 $\frac{1}{4}$ " x 107"                 | 60                |      |
| 132"                               | 52" x 122"                                | 53 $\frac{1}{4}$ " x 123 $\frac{1}{4}$ "  | 68                |      |
| 148"                               | 58" x 136 $\frac{1}{4}$ "                 | 59 $\frac{1}{4}$ " x 137 $\frac{1}{2}$ "  | 73                |      |
| 166"                               | 65" x 152 $\frac{3}{4}$ "                 | 66 $\frac{1}{4}$ " x 154"                 | 86                |      |
| 204"                               | 80" x 188"                                | 81 $\frac{1}{4}$ " x 189 $\frac{1}{4}$ "  | 102               |      |
| 230"                               | 90" x 211 $\frac{1}{2}$ "                 | 91 $\frac{1}{4}$ " x 212 $\frac{3}{4}$ "  | 115               |      |
| 248"                               | 97" x 228"                                | 98 $\frac{1}{4}$ " x 229 $\frac{1}{4}$ "  | 120               |      |
| 260"                               | 101 $\frac{3}{4}$ " x 239 $\frac{1}{4}$ " | 103" x 240 $\frac{1}{2}$ "                | 122               |      |
| <b>Custom Size</b>                 |   |   |                   |      |
|                                    |   |   |                   |      |

## Profile+ Frame Details



Draper, Inc. | 411 S. Pearl St. Spiceland, IN 47385  
draperinc.com | 765.987.7999 | 800.238.7999

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PROJECT: \_\_\_\_\_

ARCHITECT: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

SUPPLIER: \_\_\_\_\_

DATE: \_\_\_\_\_ REVISED: \_\_\_\_\_

Wiremold  
60 Woodlawn Street  
West Hartford, CT 06110

1.877.BY.LEGRAND (295.3472)  
www.legrand.us

# Product Environmental Profile

## Wiremold® Evolution™ Series Floor Boxes



### LEGRAND'S ENVIRONMENTAL COMMITMENTS

- **Incorporate environmental management into our industrial sites**

Of all Legrand sites worldwide, over 85% are ISO 14001-certified (sites belonging to the Group for more than five years).

- **Offer our customers environmentally friendly solutions**

Develop innovative solutions to help our customers design more energy efficient, better managed and more environmentally friendly installations.

- **Involve the environment in product design and provide informations in compliance with ISO 14025**

Reduce the environmental impact of products over their whole life cycle.

Provide our customers with all relevant information (composition, consumption, end of life, etc.).



### REFERENCE PRODUCT

|                   |  |
|-------------------|--|
| Function          | Connect a work station remote from the wall to the energy and communication network for 20 years via 4 wiring accessories.   |
| Reference Product |   |
|                   | Cat. No. EFB45S<br>4-Gang Evolution Floor Box  |
|                   | <p>The company reserves the right to change specifications and designs without notice. All illustrations, descriptions, dimensions and weights in the document are for guidance and cannot be held binding on the company.</p> |



### PRODUCTS CONCERNED

The environmental data is representative of the following products (see extrapolation rule at the end of the document):

EFB45S, EFB6S, EFB8S, EFB10S, EFB45S-OG, EFB6S-OG, EFB8S-OG, EFB10S-OG

# Product Environmental Profile

## Wiremold® Evolution™ Series Floor Boxes

PEP  
ECO  
PASS  
PORT®

### CONSTITUENT MATERIALS

This Reference Product contains no substances prohibited by the regulations applicable at the time of its introduction to the market. It respects the restrictions on use of hazardous substances as defined in the RoHS directive 2011/65/CE.

|  |   |                                 |                                  |
|--|---|---------------------------------|----------------------------------|
| <b>Total weight of Reference Product</b> | <b>248.14oz (7034.9g) (with unit packaging)</b> |                                 |                                  |
| <b>Plastics as % of weight</b>           | <b>3.5 %</b>                                    | <b>Metals as % of weight</b>    | <b>Other as % of weight</b>      |
| PC                                       | 3.5 %   | Steel                           | <b>74.4 %</b>                    |
|  |   | Others metals                   | <b>1.8 %</b>                     |
|  |   | Copper alloys                   | <b>&lt; 0.1 %</b>                |
|  |   | <b>Packaging as % of weight</b> |                                  |
|  |   | Paper                           | <b>14.0 %</b>                    |
|  |   | Wood                            | <b>5.3 %</b>                     |
|  |   | PE                              | <b>1.0 %</b>                     |
| <b>Total plastics</b>                    | <b>3.5 %</b>                                    | <b>Total metals</b>             | <b>76.2 %</b>                    |
|  |   |                                 | <b>Total other and packaging</b> |
|  |   |                                 | <b>20.3 %</b>                    |

Estimated recycled material content: 38 % by mass.



### MANUFACTURE

This Reference Product comes from sites that have received ISO14001 certification.



### DISTRIBUTION

Products are distributed from logistics centers located to optimize transport efficiency using EPA SmartWay® certified carriers to reduce greenhouse gases emissions. The Reference Product is therefore transported over an average distance of 2175 miles by truck from our warehouse to the local point of distribution into the market in North America.



### INSTALLATION

For the installation of the product, only standard tools are needed.



### USE

#### Servicing and maintenance :

Under normal conditions of use, this product requires no servicing or maintenance.

#### Consumables :

No consumables are necessary to use the Reference Product.



### END OF LIFE

Development teams integrate product end-of-life factors in the design phase.

#### Hazardous waste\* contained in the product: no hazardous waste

(\* ) Hazardous waste as defined by European Commission decision 2000/532/EC.

#### • Recycling rate:

Calculated using the method described in the IEC/TR 62635 technical report, the recyclability rate of the product is estimated as 98 %. This value is based on data collected from a technological channel using industrial procedures. It does not pre-validate the effective use of this channel for end-of-life electrical and electronic products.

Separated into:

- metal materials (excluding packaging) : 76.2 %
- plastic materials (excluding packaging) : 3.4 %
- packaging (all types of materials) : 19.1 %



### ENVIRONMENTAL IMPACTS

The evaluation of environmental impacts examines the stages of the Reference Product life cycle: manufacturing, distribution, installation, use and end-of-life. It is representative from products marketed and used in North America.

For each phase, the following modelling elements were taken in account:

|                                   |   |
|-----------------------------------|---|
| <b>Manufacture</b>                | Packaging taken into account. As required by the «PEP ecopassport» programme all transports for the manufacturing of the Reference Product, including materials and components, has been taken in account. The waste generated during manufacturing phase has been taken into account.  |
| <b>Distribution</b>               | Transport between the last Group distribution centre and an average delivery to the sales area  |
| <b>Installation</b>               | The end-of-life of the packaging is taken into account at this phase  |
| <b>Use</b>                        | <ul style="list-style-type: none"> <li>Under normal conditions of use, this type of product requires no servicing or maintenance.</li> <li>No consumables are necessary to use this type of product.</li> <li>Product category: PSR0003-ed1.1-EN-2015_10_16-Cable_Management_Solutions §3.2.3.1. Non-equipped service poles, service posts and multi-outlets extension.</li> <li>Use scenario : no energy consumption during 20 year working life. This modelling duration does not constitute a minimum durability requirement.</li> <li>Energy model: Electricity Mix; United States - 2009.</li> </ul> |
| <b>End of life</b>                | The default end of life scenario maximizing the environmental impacts   |
| <b>Software and database used</b> | EIME V5 and its database «CODDE-2015-04» and the indicators defined in the PCR ed3 in alignment with the EN 15804 standard.   |



### SELECTION OF ENVIRONMENTAL IMPACTS

|  | Total for Life cycle |                      | Raw material and manufacture |             | Distribution |                | Installation |                | Use      |           | End of life |                |
|--|----------------------|----------------------|------------------------------|-------------|--------------|----------------|--------------|----------------|----------|-----------|-------------|----------------|
| <b>Global warming</b>                                | <b>4.44E+01</b>      | <b>kgCO2 eq.</b>     | 4.27E+01                     | <b>96%</b>  | 1.23E+00     | <b>3%</b>      | 8.72E-02     | <b>&lt; 1%</b> | 0.00E+00 | <b>0%</b> | 3.74E-01    | <b>&lt; 1%</b> |
| <b>Ozone depletion</b>                               | <b>3.34E-06</b>      | <b>kgCFC-11 eq.</b>  | 3.33E-06                     | <b>100%</b> | 2.48E-09     | <b>&lt; 1%</b> | 6.46E-10     | <b>&lt; 1%</b> | 0.00E+00 | <b>0%</b> | 2.97E-09    | <b>&lt; 1%</b> |
| <b>Acidification of soils and water</b>              | <b>9.90E-02</b>      | <b>kgSO2 eq.</b>     | 9.15E-02                     | <b>92%</b>  | 5.51E-03     | <b>6%</b>      | 4.12E-04     | <b>&lt; 1%</b> | 0.00E+00 | <b>0%</b> | 1.57E-03    | <b>2%</b>      |
| <b>Water eutrophication</b>                          | <b>2.13E-02</b>      | <b>kg(PO4)3- eq.</b> | 1.71E-02                     | <b>80%</b>  | 1.27E-03     | <b>6%</b>      | 3.75E-04     | <b>2%</b>      | 0.00E+00 | <b>0%</b> | 2.57E-03    | <b>12%</b>     |
| <b>Photochemical ozone formation</b>                 | <b>1.23E-02</b>      | <b>kgC2H4 eq.</b>    | 1.18E-02                     | <b>96%</b>  | 3.91E-04     | <b>3%</b>      | 2.93E-05     | <b>&lt; 1%</b> | 0.00E+00 | <b>0%</b> | 1.18E-04    | <b>&lt; 1%</b> |
| <b>Depletion of abiotic resources - elements</b>     | <b>2.56E-04</b>      | <b>kgSb eq.</b>      | 2.56E-04                     | <b>100%</b> | 4.90E-08     | <b>&lt; 1%</b> | 3.88E-09     | <b>&lt; 1%</b> | 0.00E+00 | <b>0%</b> | 1.64E-08    | <b>&lt; 1%</b> |
| <b>Total use of primary energy</b>                   | <b>1.63E+03</b>      | <b>MJ</b>            | 1.61E+03                     | <b>99%</b>  | 1.64E+01     | <b>1%</b>      | 1.13E+00     | <b>&lt; 1%</b> | 0.00E+00 | <b>0%</b> | 4.44E+00    | <b>&lt; 1%</b> |
| <b>Net use of fresh water</b>                        | <b>4.54E-01</b>      | <b>m³</b>            | 4.53E-01                     | <b>100%</b> | 1.10E-04     | <b>&lt; 1%</b> | 2.73E-05     | <b>&lt; 1%</b> | 0.00E+00 | <b>0%</b> | 1.14E-04    | <b>&lt; 1%</b> |
| <b>Depletion of abiotic resources - fossil fuels</b> | <b>4.36E+02</b>      | <b>MJ</b>            | 4.12E+02                     | <b>95%</b>  | 1.72E+01     | <b>4%</b>      | 1.22E+00     | <b>&lt; 1%</b> | 0.00E+00 | <b>0%</b> | 4.95E+00    | <b>1%</b>      |
| <b>Water pollution</b>                               | <b>3.72E+03</b>      | <b>m3</b>            | 3.46E+03                     | <b>93%</b>  | 2.02E+02     | <b>5%</b>      | 1.34E+01     | <b>&lt; 1%</b> | 0.00E+00 | <b>0%</b> | 5.26E+01    | <b>1%</b>      |
| <b>Air pollution</b>                                 | <b>4.84E+03</b>      | <b>m3</b>            | 4.75E+03                     | <b>98%</b>  | 5.02E+01     | <b>1%</b>      | 9.38E+00     | <b>&lt; 1%</b> | 0.00E+00 | <b>0%</b> | 2.30E+01    | <b>&lt; 1%</b> |

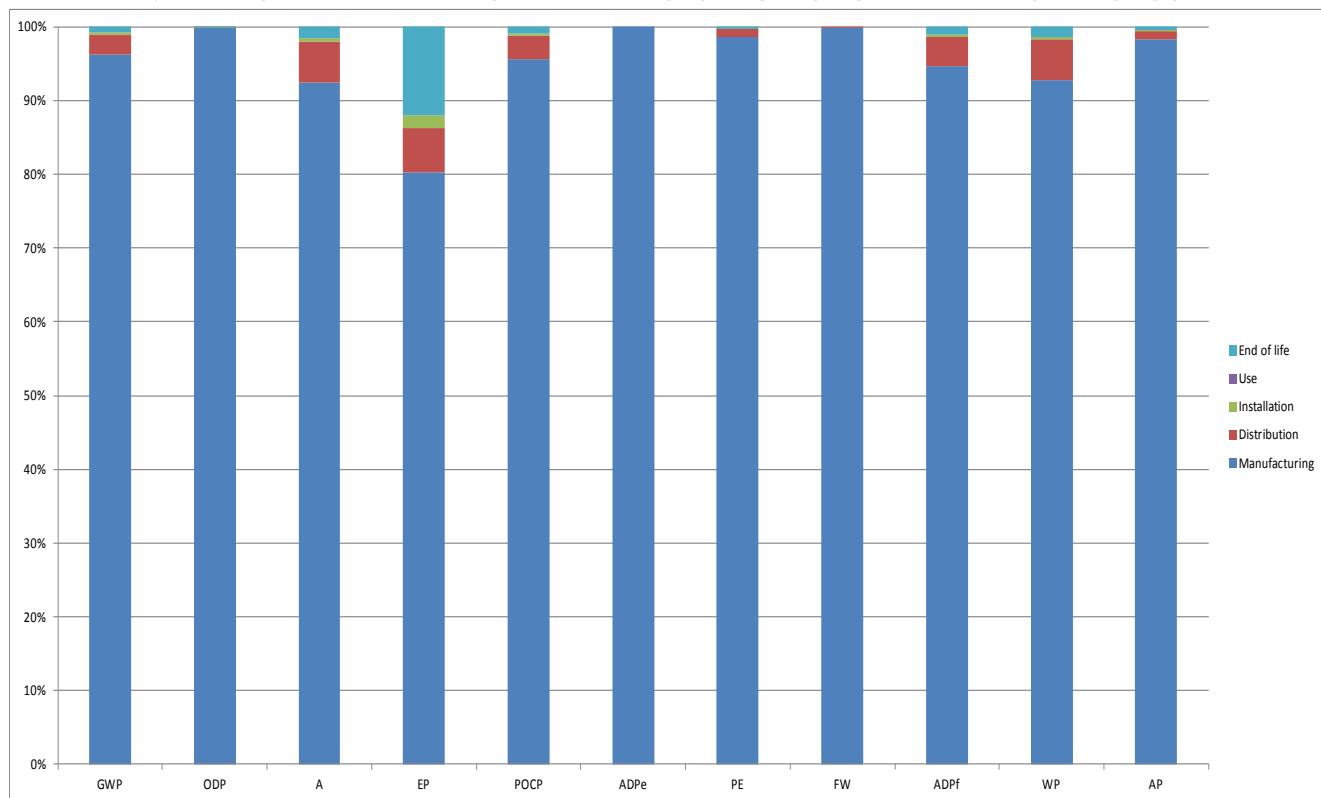
The values of the 27 impacts defined in the PCR-ed3-EN-2015 04 02 are available in the digital database of pep-ecopassport.org website.

# Product Environmental Profile

Wiremold® Evolution™ Series Floor Boxes



## % ENVIRONMENTAL IMPACT PER LIFE CYCLE STAGE OF REFERENCE PRODUCT



For products covered by the PEP other than the reference product, the environmental impacts of each phase of the lifecycle are calculated with:

|           | Manufacturing | Distribution | Installation | Use         | End of life |
|-----------|---------------|--------------|--------------|-------------|-------------|
| EFB6S     | 1.8           | 1.4          | 1.2          | Same Values | 1.7         |
| EFB8S     | 2.2           | 1.5          | 1.2          |             | 2.0         |
| EFB10S    | 2.2           | 1.5          | 1.2          |             | 2.0         |
| EFB45S-0G | 1.2           | 1.0          | 1.4          |             | 1.0         |
| EFB6S-0G  | 1.9           | 1.3          | 1.7          |             | 1.5         |
| EFB8S-0G  | 2.3           | 1.4          | 1.7          |             | 1.7         |
| EFB10S-0G | 2.2           | 1.3          | 1.7          |             | 1.6         |

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[www.legrand.us](http://www.legrand.us)

# Product Environmental Profile

Wiremold® Evolution™ Series Floor Boxes



Registration N°: LGRP-00597-V01.01-EN

Drafting rules: PEP-PCR-ed3-EN-2015 04 02  
Supplemented by PSR0003-ed1.1-EN-2015\_10\_16

Verifier accreditation N°: VH02

Information and reference documents : [www.pep-ecopassport.org](http://www.pep-ecopassport.org)

Date of issue: 12-2017

Validity period: 5 years

Independent verification of the declaration and data, in compliance with ISO 14025:2010

Internal  External

The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)

PEP are compliant with XP C08-100-1: 2014

The elements of the present PEP cannot be compared with elements from another program

Document in compliance with ISO 14025 : 2010: «Environmental labels and declarations. Type III environmental declarations»

Environmental data in alignment with EN 15804 : 2012 + A1 : 2013



[Home \(/\)](#) | [Products \(/products\)](#) | [D.I.S.S. Handtight Adapter](#)



## D.I.S.S. HANDTIGHT ADAPTER

Product Order Number: DA - 15UO - M2 - DH



DISS Hand-tight female fittings are available in a wide variety of gases and configurations including 1/8", 1/4" MNPT & FNPT (Male National Pipe Thread & Female National Pipe Thread) as well as, 1/4" and 5/16" Hose barbs and much more. Try out our part configurator to see more options.

## Product Specifications

Model: Amvex D.I.S.S. Handtight Adapters

Air Type: Oxygen

Fitting Type: 1/8" NPT Male

## Related Documents

[Home \(/\)](#) | [Products \(/products\)](#) | [D.I.S.S. Handtight Adapter](#)



## D.I.S.S. HANDTIGHT ADAPTER

Product Order Number: DA - 15UO - M2 - DH

DISS Hand-tight female fittings are available in a wide variety of gases and configurations including 1/8", 1/4" MNPT & FNPT (Male National Pipe Thread & Female National Pipe Thread) as well as, 1/4" and 5/16" Hose barbs and much more. Try out our part configurator to see more options.

## Product Specifications

Model: Amvex D.I.S.S. Handtight Adapters

Air Type: Oxygen

Fitting Type: 1/8" NPT Male

## Related Documents



## MedGas Hose & Electrical/Data Cord Drops

The **Hose/Cord Drop** will accommodate a mixture of various medical gas and vacuum hose, electrical and data cord drops.

### Features

- Welded steel construction back box
- Cover plate is stainless steel with a brushed finish
- Exposed cable reels
- Adjustable cable retractor to pull hose up out of the way when not in use
- Strain relief anchor point for each device

### Medical Gas Hose Drop

- DISS fitting at proximal end
- Conductive, color coded hose, 6ft
- Kellems strain relief grip
- Medical gas coupler at distal end.

Available in DISS, Chemetron, Puritan-Bennett, Ohmeda and Oxequip. Also available in HTM-2022 or DIN



### Electrical Cord Drop

- Twist-lock, Hospital Grade plug at top end
- Heavy duty, SJTOW cord, 6ft
- Kellems strain relief grip
- Electrical Receptacle(s), Hospital Grade, Duplex, 20A, mounted in a NEoTEX non-conductive box

### Data Cord Drop

- 3/4", 1g, Face plate at top end
- Flex, Plastic Conduit, 6ft
- Kellems strain relief grip
- 4 port module insert and face plate

Hose and Cord drops can be added or removed to suit the requirement of the room. Each drop is considered an individual item unless otherwise noted. Standard back box is 8" x 8" and can accommodate up to 4 services. Larger boxes are available when required. Refer to part numbers and descriptions on page 2.



### Ordering Information

Medical Gas Hose Drops are available with any configuration of the following medical gas outlets [Up to 8 services] Please specify Outlet Type at time of purchase.

- Oxygen
- Medical Air
- Vacuum'
- EVAC [WAGE]
- N2O
- Co2

| <b>Medical Gas Hose Drops</b>               | <b>Part Number</b> |
|---|--------------------|
| Medical Gas, Single, Vacuum                 | 299055-VAC         |
| Medical Gas, Single, Oxygen                 | 299056-OXY         |
| Medical Gas, Single, Medical Air            | 299057-AIR         |
| Medical Gas, Single, Nitrous Oxide          | 299058-N2O         |
| Medical Gas, Single, Evacuation (WAGD)      | 299059-EVAC        |
| Medical Gas, Single, Carbon Dioxide         | 299060-CO2         |
| Medical Gas, Single, Nitrogen               | 299061-N2          |
| <b>Electrical Cord Drops</b>                | <b>Part Number</b> |
| Single Drop w/ 1 Duplex, Emergency, Red     | 299098             |
| Single Drop w/ 1 Duplex, Normal, Ivory      | 299098-I           |
| Single Drop w/ 1 Duplex, Normal, White      | 299098-W           |
| Single Drop w/ 2 Duplex, Emergency, Red     | 299099             |
| Single Drop w/ 2 Duplex, Normal, Ivory      | 299099-I           |
| Single Drop w/ 2 Duplex, Normal, White      | 299099-W           |
| <b>Data Cord Drop</b>                       |                    |
| Single Drop, Data with 4 Port Module Insert | 299100             |

**Boxes and Drops are available as individual items or as an assembly.**

**Available with US Plug, British Standard and DIN**

[Home \(/\)](#) | [Products \(/products\)](#) | [D.I.S.S. Handtight Adapter](#)



## D.I.S.S. HANDTIGHT ADAPTER

Product Order Number: DA - 15UO - M2 - DH

DISS Hand-tight female fittings are available in a wide variety of gases and configurations including 1/8", 1/4" MNPT & FNPT (Male National Pipe Thread & Female National Pipe Thread) as well as, 1/4" and 5/16" Hose barbs and much more. Try out our part configurator to see more options.

## Product Specifications

Model: Amvex D.I.S.S. Handtight Adapters

Air Type: Oxygen

Fitting Type: 1/8" NPT Male

## Related Documents



## MedGas Hose & Electrical/Data Cord Drops

The **Hose/Cord Drop** will accommodate a mixture of various medical gas and vacuum hose, electrical and data cord drops.

### Features

- Welded steel construction back box
- Cover plate is stainless steel with a brushed finish
- Exposed cable reels
- Adjustable cable retractor to pull hose up out of the way when not in use
- Strain relief anchor point for each device

### Medical Gas Hose Drop

- DISS fitting at proximal end
- Conductive, color coded hose, 6ft
- Kellems strain relief grip
- Medical gas coupler at distal end.

Available in DISS, Chemetron, Puritan-Bennett, Ohmeda and Oxequip. Also available in HTM-2022 or DIN



### Electrical Cord Drop

- Twist-lock, Hospital Grade plug at top end
- Heavy duty, SJTOW cord, 6ft
- Kellems strain relief grip
- Electrical Receptacle(s), Hospital Grade, Duplex, 20A, mounted in a NEoTEX non-conductive box

### Data Cord Drop

- $\frac{3}{4}$ ", 1g, Face plate at top end
- Flex, Plastic Conduit, 6ft
- Kellems strain relief grip
- 4 port module insert and face plate

Hose and Cord drops can be added or removed to suit the requirement of the room. Each drop is considered an individual item unless otherwise noted. Standard back box is 8" x 8" and can accommodate up to 4 services. Larger boxes are available when required. Refer to part numbers and descriptions on page 2.



### Ordering Information

Medical Gas Hose Drops are available with any configuration of the following medical gas outlets [Up to 8 services] Please specify Outlet Type at time of purchase.

- Oxygen
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- Co2

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| Medical Gas, Single, Medical Air            | 299057-AIR         |
| Medical Gas, Single, Nitrous Oxide          | 299058-N2O         |
| Medical Gas, Single, Evacuation (WAGD)      | 299059-EVAC        |
| Medical Gas, Single, Carbon Dioxide         | 299060-CO2         |
| Medical Gas, Single, Nitrogen               | 299061-N2          |
| <b>Electrical Cord Drops</b>                | <b>Part Number</b> |
| Single Drop w/ 1 Duplex, Emergency, Red     | 299098             |
| Single Drop w/ 1 Duplex, Normal, Ivory      | 299098-I           |
| Single Drop w/ 1 Duplex, Normal, White      | 299098-W           |
| Single Drop w/ 2 Duplex, Emergency, Red     | 299099             |
| Single Drop w/ 2 Duplex, Normal, Ivory      | 299099-I           |
| Single Drop w/ 2 Duplex, Normal, White      | 299099-W           |
| <b>Data Cord Drop</b>                       |                    |
| Single Drop, Data with 4 Port Module Insert | 299100             |

**Boxes and Drops are available as individual items or as an assembly.**

**Available with US Plug, British Standard and DIN**

[Home \(/\)](#) | [Products \(/products\)](#) | [D.I.S.S. Handtight Adapter](#)



## D.I.S.S. HANDTIGHT ADAPTER

Product Order Number: DA - 15UO - M2 - DH



DISS Hand-tight female fittings are available in a wide variety of gases and configurations including 1/8", 1/4" MNPT & FNPT (Male National Pipe Thread & Female National Pipe Thread) as well as, 1/4" and 5/16" Hose barbs and much more. Try out our part configurator to see more options.

## Product Specifications

Model: Amvex D.I.S.S. Handtight Adapters

Air Type: Oxygen

Fitting Type: 1/8" NPT Male

## Related Documents



## MedGas Hose & Electrical/Data Cord Drops

The **Hose/Cord Drop** will accommodate a mixture of various medical gas and vacuum hose, electrical and data cord drops.

### Features

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### Electrical Cord Drop

- Twist-lock, Hospital Grade plug at top end
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- Kellems strain relief grip
- 4 port module insert and face plate

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Medical Gas Hose Drops are available with any configuration of the following medical gas outlets [Up to 8 services] Please specify Outlet Type at time of purchase.

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- Vacuum'
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| <b>Medical Gas Hose Drops</b>               | <b>Part Number</b> |
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| Medical Gas, Single, Medical Air            | 299057-AIR         |
| Medical Gas, Single, Nitrous Oxide          | 299058-N2O         |
| Medical Gas, Single, Evacuation (WAGD)      | 299059-EVAC        |
| Medical Gas, Single, Carbon Dioxide         | 299060-CO2         |
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| <b>Electrical Cord Drops</b>                | <b>Part Number</b> |
| Single Drop w/ 1 Duplex, Emergency, Red     | 299098             |
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| Single Drop w/ 2 Duplex, Emergency, Red     | 299099             |
| Single Drop w/ 2 Duplex, Normal, Ivory      | 299099-I           |
| Single Drop w/ 2 Duplex, Normal, White      | 299099-W           |
| <b>Data Cord Drop</b>                       |                    |
| Single Drop, Data with 4 Port Module Insert | 299100             |

**Boxes and Drops are available as individual items or as an assembly.**

**Available with US Plug, British Standard and DIN**

## Large Dual Oxygen Cylinder Wall Mount

Part Number: CR-WM200



Dual Large Cylinder Wall Mount

**Your Price: \$55.00**

- Easy mounting on any flat wall surface  
\*\*hardware not included
- Meets OSHA requirements
- Black powder coat finish
- Durable steel construction
- Dimensions: 20.5" Wide x 1.5" Tall x 7.75" Deep
- For Large Dual Cylinders up to 9" Diameter
- Comes with Heavy duty holding chain



# VETROSON® OXY-GEN™ SYSTEMS

NO. 716 GENERATOR, OXYGEN

**SUMMIT HILL LABORATORIES**  
Tinton Falls Business Center  
One Sheila Drive  
Tinton Falls, New Jersey 07724

Phone: (732) 933-0800  
Fax: (732) 933-0055

E-Mail: [sales@summithilllaboratories.com](mailto:sales@summithilllaboratories.com)  
[www.summithilllaboratories.com](http://www.summithilllaboratories.com)

**Summit Hill Laboratories offers  
Two VETROSON® OXY-GEN™ SYSTEMS  
Supplying oxygen for the veterinary hospital  
at a low cost per LPM.**

| Model           | Delivers       | Tailor Made for:                  |
|-----------------|----------------|-----------------------------------|
| VGS2015<br>120V | 20 PSI, 15 LPM | Anesthesia machines and ICU units |
| VGS5015<br>230V | 50 PSI, 15 LPM | .....Above plus a ventilator      |

Knowing LPM is the way to size up which VETROSON® OXY-GEN™ SYSTEM is right for you. How can you do this? It's simple. An anesthesia machine uses about 1 LPM, fill a Snyder ICU or a Cage Door ICU at 10 LPM, maintain at 5 LPM. Both can run on a 20 PSI unit. A ventilator averages 4 LPM depending on tidal volume. It requires 50 PSI.

Add the total LPM required by the oxygen consuming equipment at peak loads. Then select the proper model.



Patent Pending

SAVE MONEY ON YOUR OXYGEN BILLS....

COSTS CENTS PER DAY VS. DOLLARS PER DAY FOR OXYGEN

RUN YOUR ICU UNIT ALL DAY LONG – USE IT FOR MORE PATIENTS

SUMMIT HILL LABORATORIES IS VERY KNOWLEDGEABLE REGARDING

THE OXYGEN NEEDS OF THE VETERINARY PROFESSION

# **SAVE MONEY ON YOUR OXYGEN BILLS.....**

## **USING THE VETROSON® OXY-GEN™ SYSTEMS!**

### **(COSTS PENNIES PER DAY VS. DOLLARS PER DAY FOR OXYGEN)**

#### **What is it?**

Each Oxy-Gen™ System is a combination of a generator and receiver tank with interfaces that connect the generator to the receiver tank and the receiver tank to the central oxygen system manifold. The system can produce a minimum of 14,000 liters of oxygen in a 24 hour period delivering either 20 or 50 PSI at a flow rate of 15 LPM.

#### **What isn't it?**

It is not a concentrator. Concentrators are generally used in a 1 to 1 situation delivering up to 5 PSI, which is not sufficient pressure to connect to a manifold and handle multiple machine requirements. It is not used to fill oxygen "H" tanks.

#### **Why have continuous flow ?**

It is necessary to have all the VETROSON® components to insure adequate flow and pressure to handle a veterinary hospital's total oxygen requirements-anesthesia machines, ventilators, a Snyder ICU or Oxygen Cage Door units. With continuous flow one is assured accuracy in LPM delivery.

#### **Why a Receiver Tank?**

The receiver tank holds 30 liters of oxygen. The receiver tank is designed to handle multiple flushes for an oxygen purge during anesthesia and filling of ICU's without throwing the system off balance. This tank is not for storage. It is continually releasing a small amount of oxygen.

#### **Calculating Requirements**

Use 1 LPM for each anesthesia machine in use, 10 LPM to fill a Snyder ICU or an Oxygen Cage Door- 5 LPM to maintain it, and 4 LPM for each ventilator. If the practice has a ventilator, a 50 PSI unit must be purchased. These figures vary slightly per individual animal's anesthesia requirements. Match your LPM requirements with LPM supplied. Leave a little room for an additional anesthesia machine or an ICU unit. The cost per LPM will be the lowest for any oxygen generator available today.

#### **What are the electrical requirements, size, and weight of the units?**

| Model   | Delivers       | Volts | Starting Amps | Running Amps | Power Watts | Weight* (LBS.) | Depth (Inches) | Width (Inches) | Height (Inches) |
|---------|----------------|-------|---------------|--------------|-------------|----------------|----------------|----------------|-----------------|
| VGS2015 | 20 PSI, 15 LPM | 115   | 20            | 8            | 920         | 145            | 17             | 25             | 38              |
| VGS5015 | 50 PSI, 15 LPM | 230   | 15            | 7            | 1610        | 175            | 17             | 25             | 38              |

Weights shown are for the generator only. The Receiver Tank weighs an additional 34#.  
The shipping weight will be more due to the box, packing material and pallet.

#### **Installation**

Easy to install. Attach the short hose on the receiver tank to the generator and the long hose to the oxygen system manifold. Plug the electrical cord into a nearby dedicated receptacle.

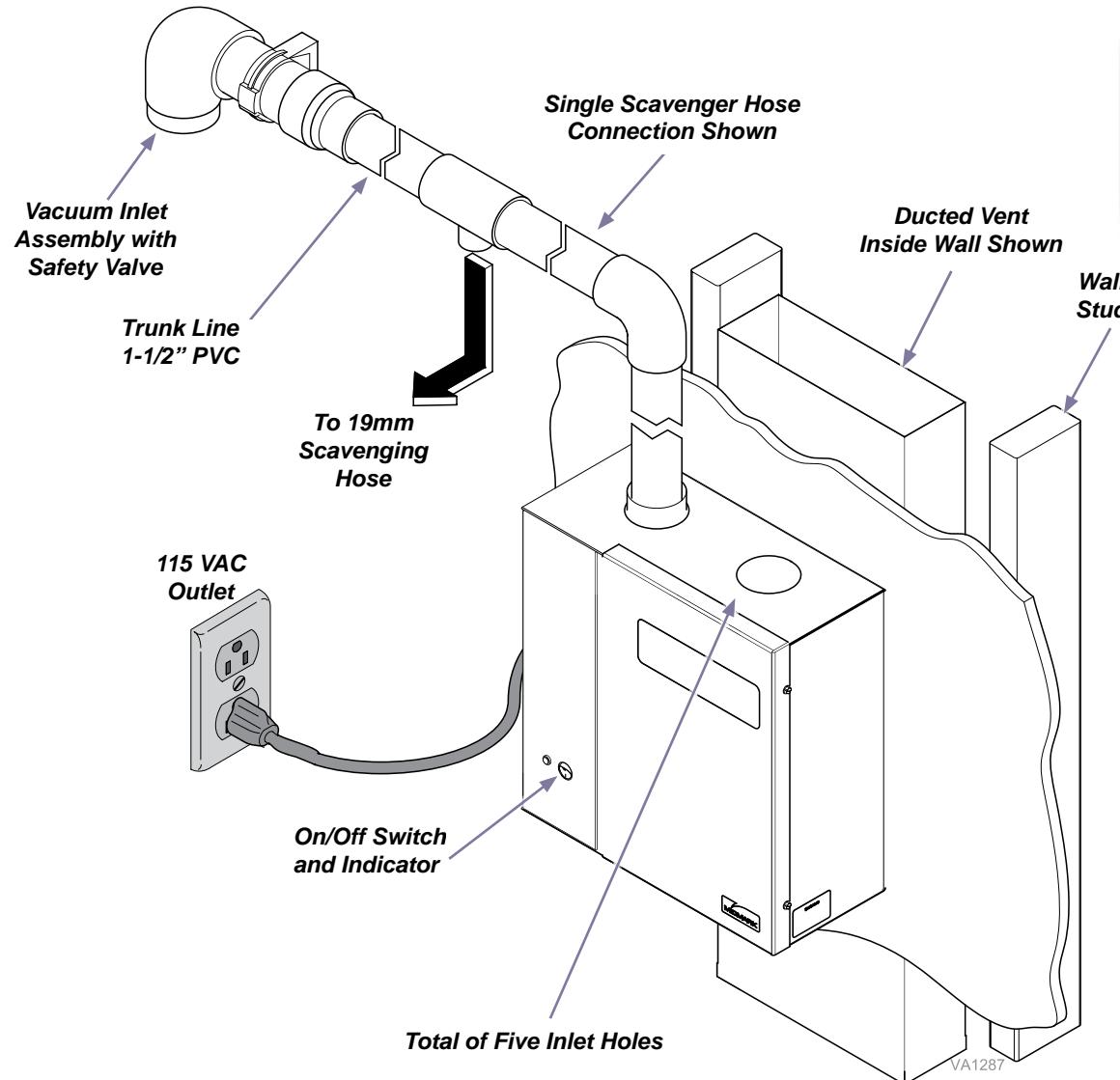
#### **Back Up**

Utilize your present system as back up in the event of electrical failure. In this instance just turn the Oxy-Gen™ System off and the O2 tank on.

# Matrix™ Central Scavenger Waste Anesthetic Gas Disposal System Installation

Applies to Models:  
40162800

NO. 717 GAS, SCAYENGING, WAGD SYSTEM



## WARNING

Equipment is not suitable for use in the presence of a flammable anesthetic mixture. Make certain that the installation does not interfere with wiring, gas or water pipes inside the walls when mounting the scavenger unit. A qualified contractor may be required to perform these procedures.



## Equipment Alert

Trunk line Inlet holes are shown with plastic caps. There are two more on back and one on bottom.

All unused trunk line Inlet holes must be capped. Vacuum Inlet Assembly with Safety Valve must be installed facing downward.

# Important Information

## Intended Use

Operation of all Midmark Waste Anesthetic Gas Disposal equipment is restricted to use in veterinary procedures.

## Disposal of Equipment

At the end of product life, the unit(s), accessories, and other consumable goods may become contaminated from normal use. Consult local codes and ordinances for proper disposal of equipment, and other consumable goods.

## Transportation / Storage Conditions

Ambient Temperature Range:.....32°F to 104°F (0°C to 40°C)  
Relative Humidity.....10% to 90% (non condensing)  
Atmospheric Pressure .....500hPa to 1060hPa (0.49atm to 1.05atm)



Proper Shipping Orientation



Maximum stacking height  
(Do not stack)



Fragile



Keep Dry



Consult User Guide



Do Not Tumble



Handle With Care

## Safety Symbols



### DANGER

*Indicates an imminently hazardous situation which will result in serious or fatal injury if not avoided.  
This symbol is used only the most extreme conditions.*



### WARNING

*Indicates a potentially hazardous situation which could result in serious injury if not avoided.*



### Caution

*Indicates a potentially hazardous situation which may result in minor or moderate injury if not avoided. It may also be used to alert against unsafe practices*



### Equipment Alert

*Indicates a potentially hazardous situation which could result in equipment damage if not avoided.*



### Note

Amplifies a procedure, practice, or condition.

# Central Scavenger Site Requirements

|                      |                                    |  |
|----------------------|------------------------------------|--|
| <b>Plumbing</b>      | <b>Trunk Line</b>                  |  |
|                      | <b>Type</b>                        | PVC Sch 40 Pipe  |
|                      | <b>Size</b>                        | 1-1/2" (Installer Supplied)  |
|                      | <b>Termination</b>                 | Vacuum Inlet Assembly with Room Air Safety Valve Facing Downwards (included)   |
|                      | <b>Scavenger Connection</b>        | Secure PVC Pipe to Inlet Hole with O-ring and Lock Nut (included)  |
|                      | <b>Maximum Length</b>              | 100' Pipe, 8 Elbows  |
|                      | <b>Max Trunk Lines</b>             | 3 Trunk Lines for Each Central Scavenger Unit with up to 4 Scavenging Hose Connections<br><i>(Note: Only 3 Scavenging Hose Connections in Canada)<br/>(40' Scavenging Hose included)</i> |
|                      | <b>Mounting Options</b>            | PVC can be mounted to Wall or Ceiling<br><i>(can be concealed inside wall or above ceiling)</i>  |
| <b>Vent</b>          | <b>Type</b>                        | Direct or Ducted   |
|                      | <b>Size</b>                        | Maximum length for 3-1/4 x 10in. ducting is 40 feet with no more than one 90° bend.<br>Maximum length for 5 in. diameter round ducting is 30 feet with no more than one 90° bend.        |
|                      | <b>Template</b>                    | Paper Template Provided  |
| <b>Electrical</b>    | <b>Boxes</b>                       |  |
|                      | <b>Supply</b>                      | 115 VAC Outlet   |
|                      | <b>Power Cord Length</b>           | 6'   |
| <b>Environmental</b> | <b>Temperature</b>                 |  |
|                      | Equipment Room Ambient Temperature | 32° to 104° F<br>0° to 40° C   |

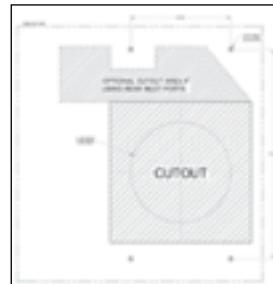
# Installation Kit Components

## Installation Preparation...

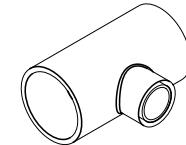
Choose a location to install the Scavenger Unit within 6 feet of a 115 VAC outlet.

Note: Use the Cutout Template provided in the Installation Kit to mark the appropriate cutouts for the required installation configuration (Direct Wall or Ducted Vent) and optional rear Trunk Inlet Line holes.

**Cutout Template (1)**



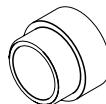
**1-1/2" x 1 1/2" x 3/4" NPT  
RDC Tee (4)**



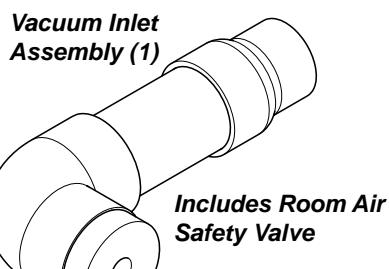
**Auto-close  
19 mm  
Hose Fitting (4)**



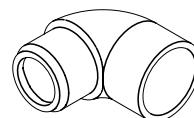
**Male Adapter  
1-1/2 in. PVC (1)**



**Lock Nut  
Conduit  
1-1/2 in. (1)**



**Street Elbow  
PVC 1-1/2 in. (4)**



**19 mm Male  
Fitting x 3/4" NPT  
for RDC Tees (4)**



**O-Ring (1)**

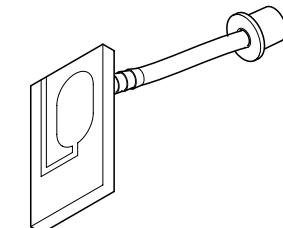


**Flanged Lock  
Nut (2)**



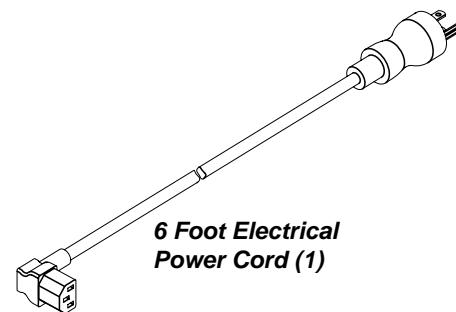
**Includes Room Air  
Safety Valve**

**40 Ft. of  
19mm Magenta  
Scavenging  
Hose**



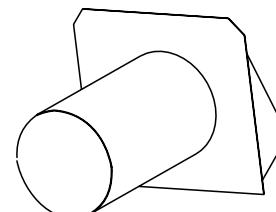
**Manometer with  
Tubing and 1/4"  
Adapter (1)**

**19mm Adapter (4)**



**19mm Female Fitting x 3/4" NPT (4)**

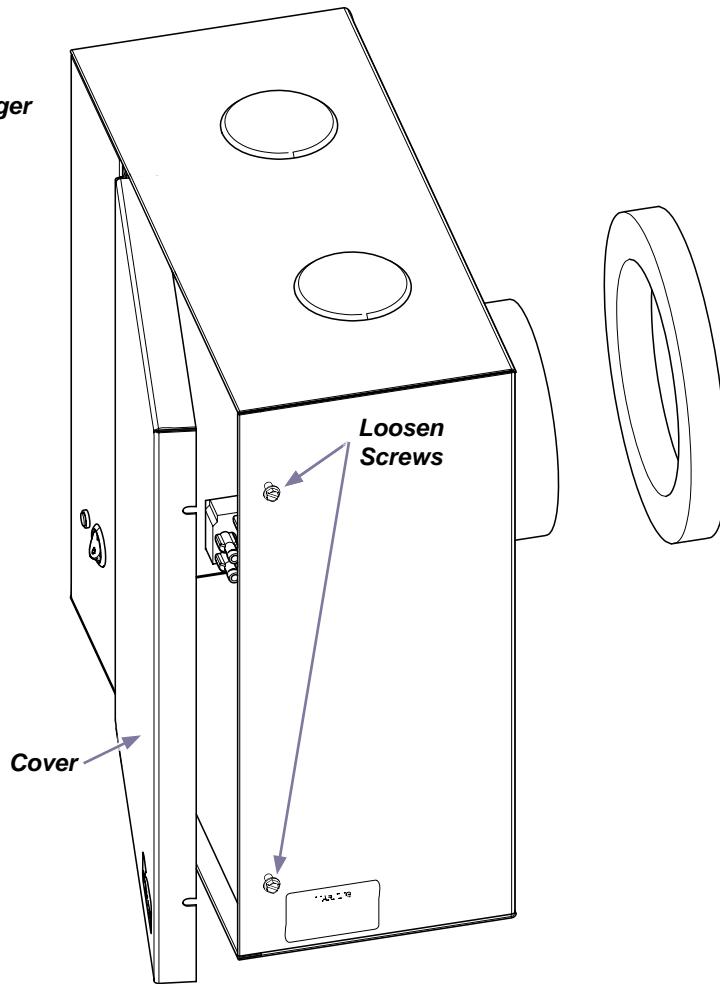
**Outside Vent  
with screen (1)**



VA1288

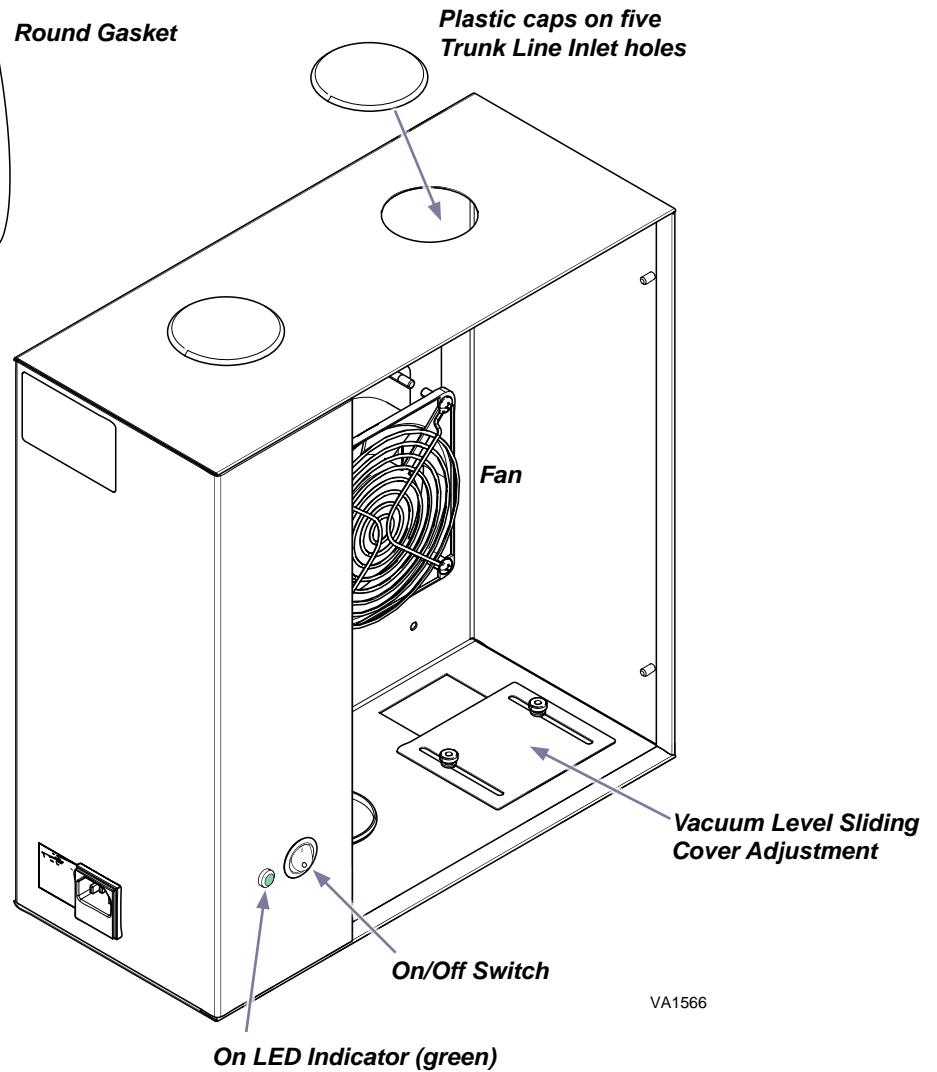
# Central Scavenger Unit

Central Scavenger  
Enclosure



## Remove Cover...

- Loosen hex head screws on the side of the enclosure.
- Pull right side of cover out from the screws via the slotted holes.
- Pull the loose side of the cover free of the enclosure by pulling it from under the fixed left panel.



VA1566

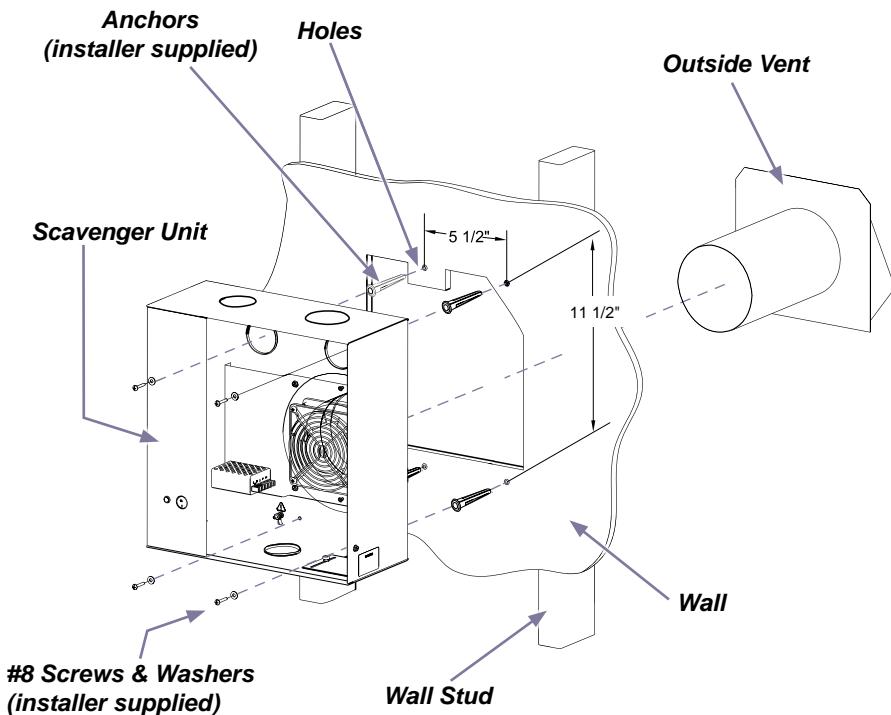
# Vent Installation

## Install direct wall or ducted vent.

Note: Use the paper template provided to properly locate the anchor and vent holes on the wall surface before drilling and mounting the unit to the wall.

## Direct Wall Vent Installation

### Mount the scavenger unit to the wall.



**Mount the vent to an outside wall and weatherproof as necessary.**

Trim vent duct length to keep vent flush with outside wall.

## Ducted Vent Installation

**Use 3-1/4 x 10 in. rectangular duct installed thru an interior wall to vent scavenger unit to the roof or an outside wall.**

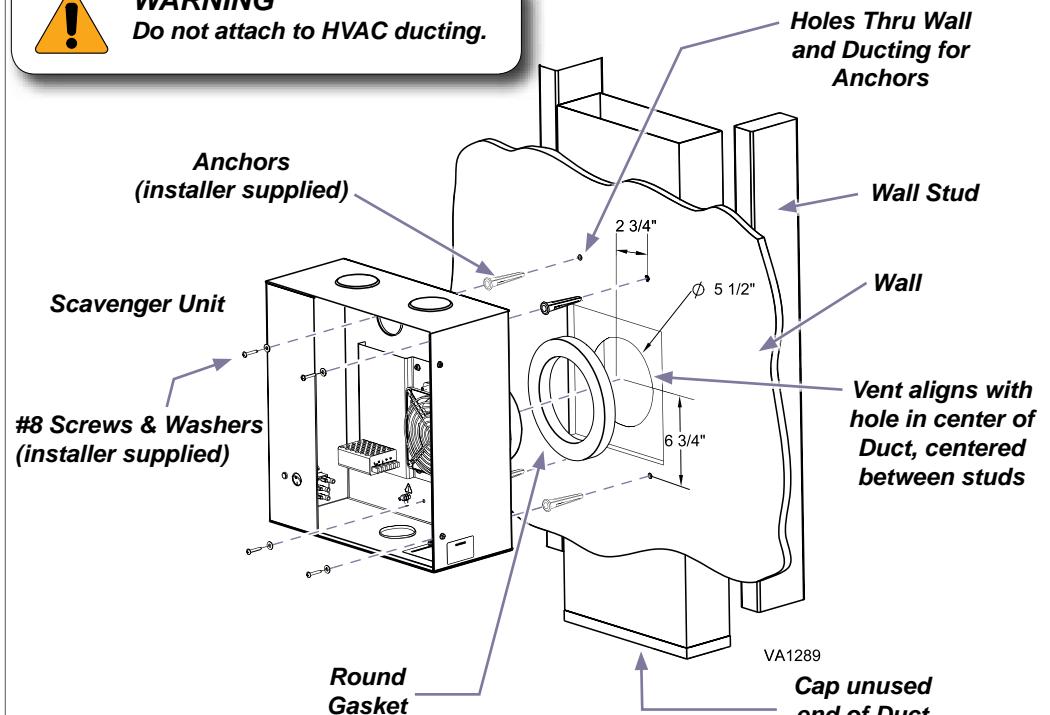
- Secure scavenger unit to wall anchors.
- Press scavenger unit thru wall and into duct.
- Use four #8 screws and flat washers to draw together.

Note: Round, 5 in. diameter ducting could also be used to vent the scavenging unit thru the wall.



### WARNING

**Do not attach to HVAC ducting.**



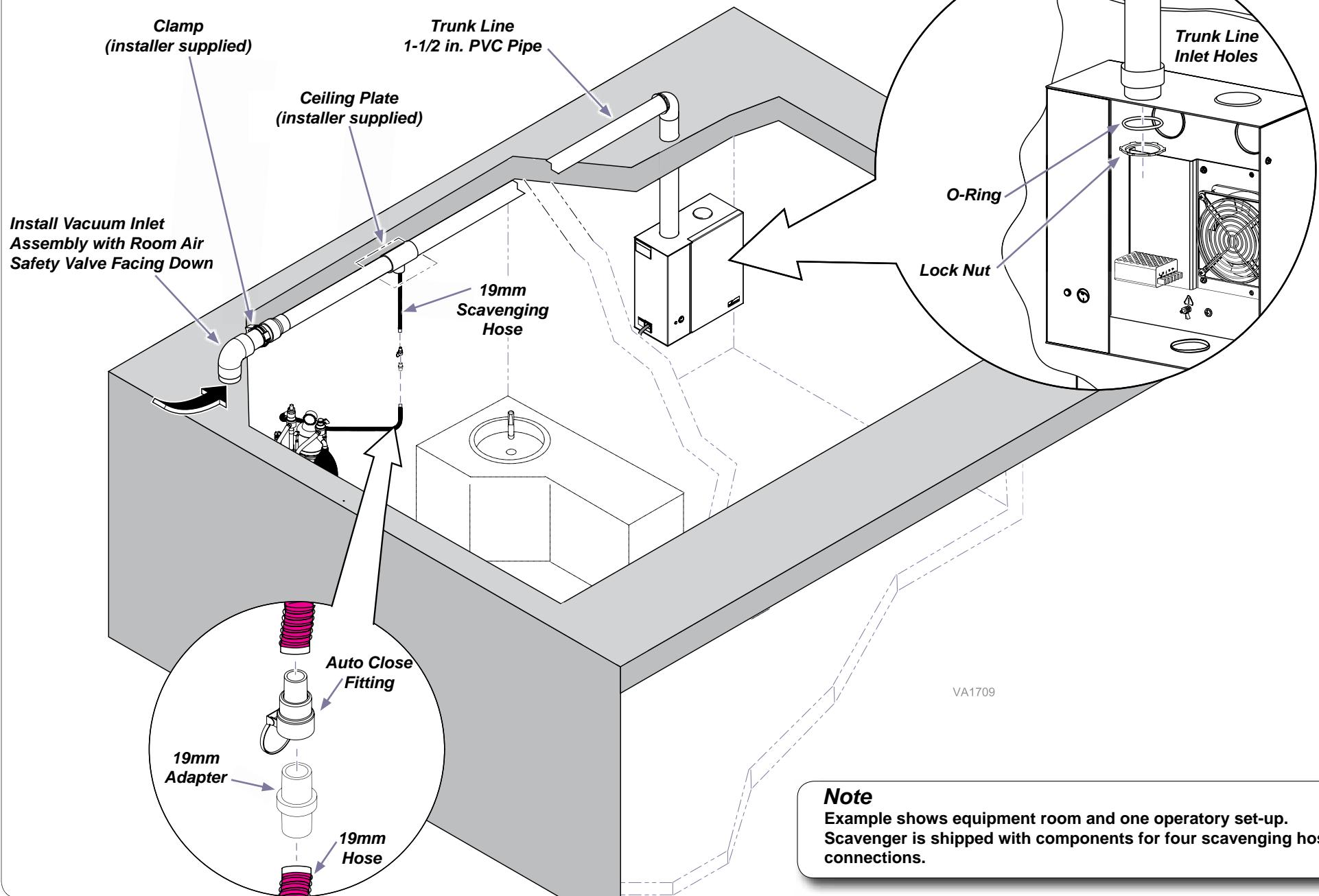
**Mount the vent to an outside wall and weatherproof as necessary.**

Trim vent duct length to keep vent flush with an outside wall.

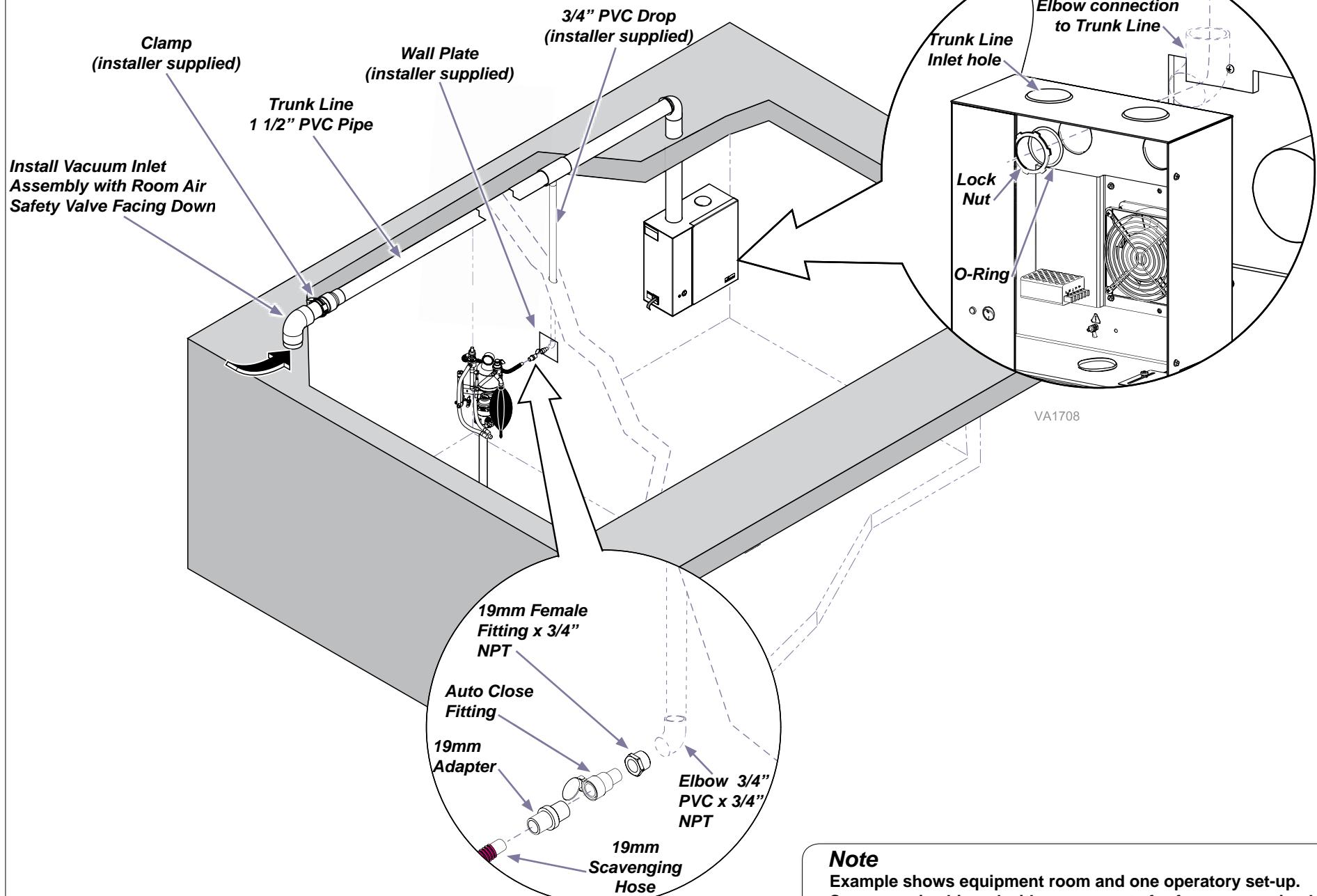
Use a vent designed for roof applications if the vent terminates on a roof.

Install trunk line in ceiling or wall (wall shown on next page).

## Trunk Line In Room (Ceiling Drop Show)



# Trunk Line In Walls (Wall Port Shown)



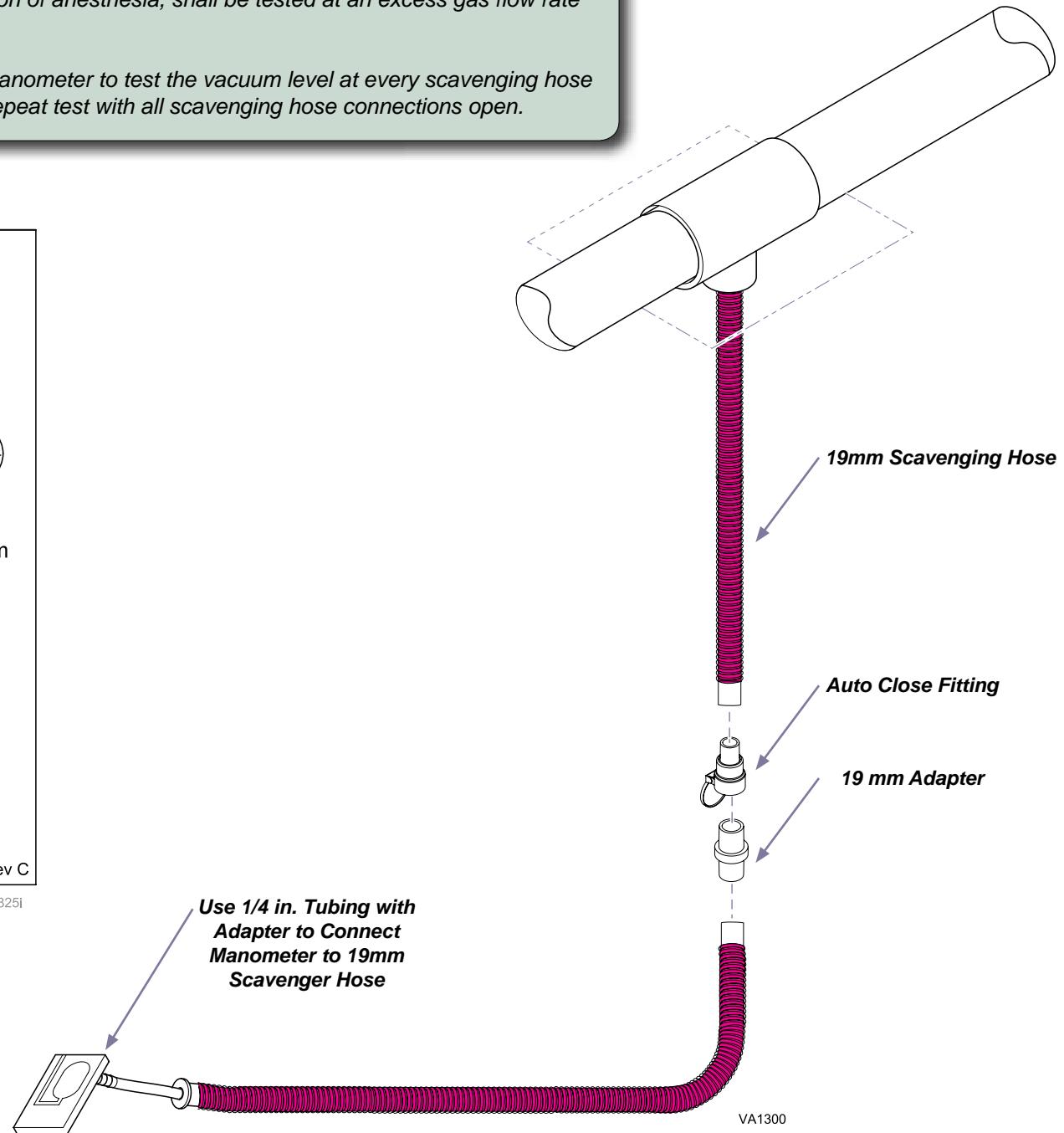
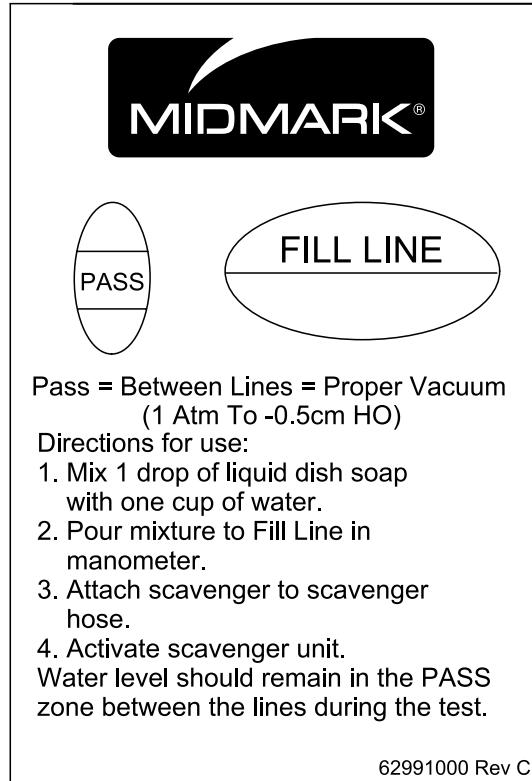
## Note

Example shows equipment room and one operatory set-up.  
Scavenger is shipped with components for four scavenging hose connections.

## Testing the Vacuum Level

The maximum allowable negative pressure in the central scavenger system, immediately downstream of the gas collecting assembly during normal administration of anesthesia, shall be tested at an excess gas flow rate of zero and shall be 50 Pa (0.5 cm-H<sub>2</sub>O) or less.

Follow the instructions printed on the front of the manometer to test the vacuum level at every scavenging hose throughout the entire central scavenger system. Repeat test with all scavenging hose connections open.





**Haws®**

## PROHO

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□;210 0 65 HCHDFHZ DNK KHDQ SDWMS HQLQJ XVHV  
DQ LQHUMQ LQHFWRDO OP LDU 1QZ VR VZ HHS  
ERWAP LQDWZDQURP WHIXOHIDEAHDQEDWQ

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(P HU<sup>W</sup>F □ 7HP SHU<sup>W</sup> 9DOH WKHUP RWWDW<sup>F</sup> D<sup>W</sup> P L<sup>W</sup>HV KRW  
D<sup>W</sup> FRO Z DWUWR S<sup>W</sup>UH D VDIH 1<sup>W</sup>□ V<sup>W</sup>S O IRUD V<sup>W</sup>U<sup>W</sup>  
HP HU<sup>W</sup>F □ H<sup>W</sup>HDFH Z DV<sup>W</sup>Z L<sup>W</sup> D 1<sup>W</sup>Z UD<sup>W</sup> RI □ JSP  
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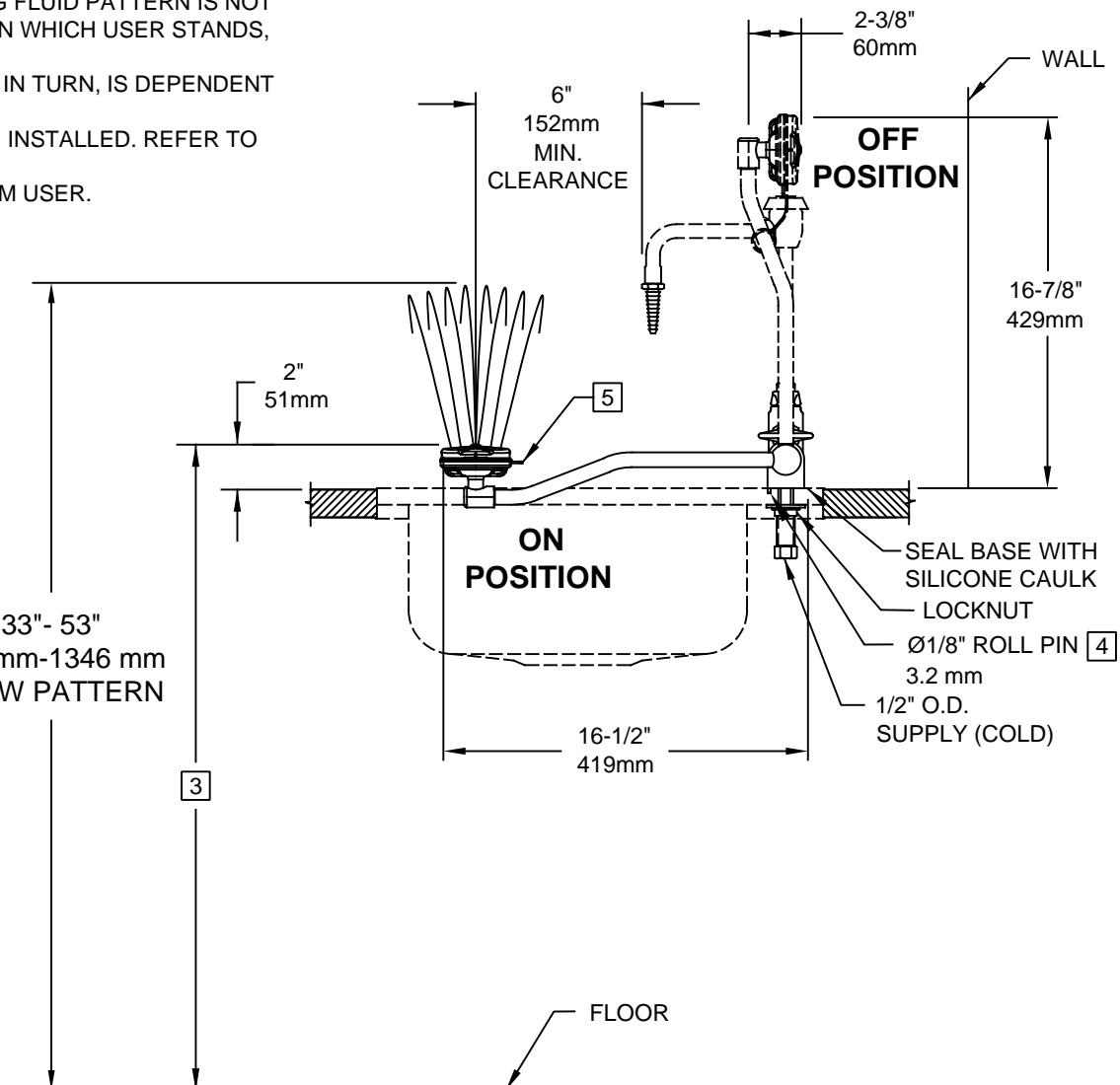
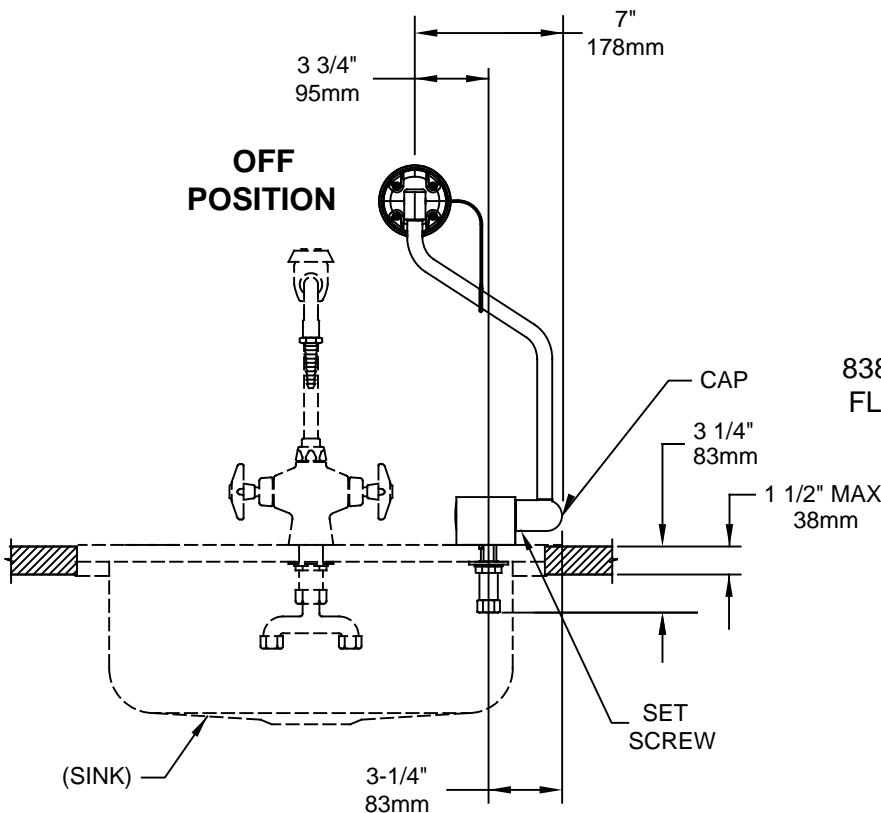
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P XW E H S UR □ O H □ Z LVK □ VWH Z RUN DUHD IRU IP P HODWM  
HP HU HLF □ XW □ : KH □ □ VWD□ □ S URS HU □ VWH VWD E  
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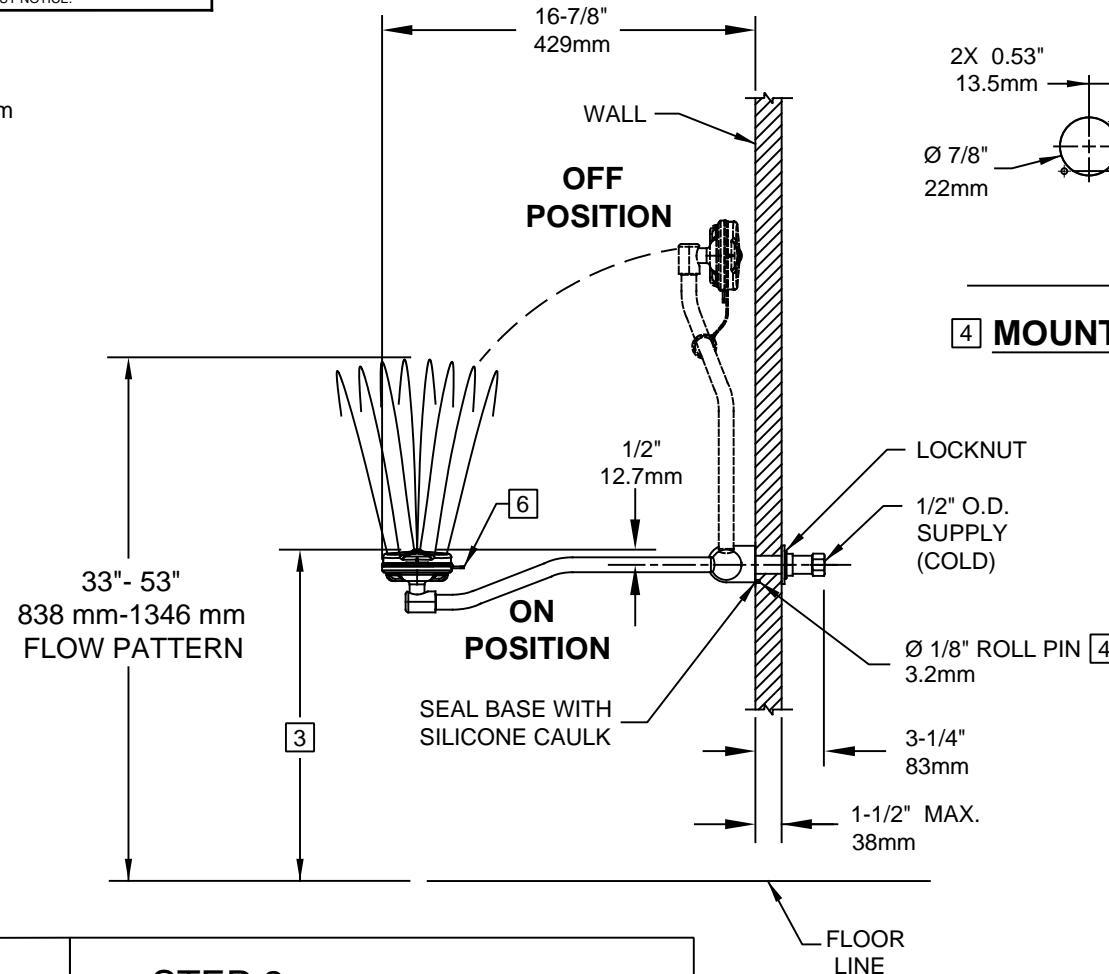
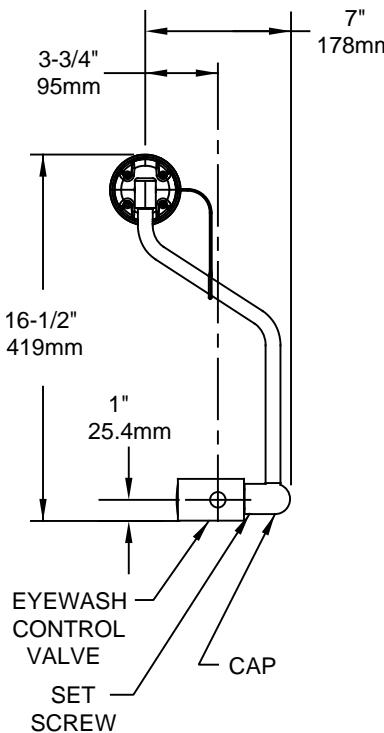
NOTES:

1. WHEN INSTALLING THIS UNIT, LOCAL , STATE, OR FEDERAL CODES SHOULD BE ADHERED TO FOR INSTALLATION DIMENSIONS (LOCATIONS), WASTE AND SUPPLY REQUIREMENTS OTHER THAN SHOWN.
2. TO COMPLY WITH ANSI Z358.1-2014 FOR EMERGENCY EYEWASH OR EYE/FACE WASH:  
EYEWASH OR EYE/FACE WASH SHALL BE POSITIONED SUCH THAT FLUSHING FLUID PATTERN IS NOT LESS THAN 33" (838mm), NO GREATER THAN 53" (1346mm) FROM SURFACE ON WHICH USER STANDS, AND 6.0" (153mm) MINIMUM FROM WALL OR NEAREST OBSTRUCTION.
3. HEIGHT IS DETERMINED BY WATER FLOW PATTERN HEIGHT SHOWN, WHICH IN TURN, IS DEPENDENT ON IN-LINE SUPPLY PRESSURE.
4. DRILL ONE Ø7/8" [22mm] HOLE AND TWO Ø5/32" HOLES WHERE UNIT IS TO BE INSTALLED. REFER TO MOUNTING HOLE DETAIL ON SHEET 2 OF 3 OR 3 OF 3.
5. ASSEMBLE EYE/FACE WASH TO ARM; ORIENT TAB ON ASSEMBLY AWAY FROM USER.
6. DIMENSIONS MAY VARY BY  $\pm 1/2"$  (13 mm).



**7610 DECK MOUNTED CONFIGURATION**  
(SEE SHEET 3 FOR 7610 DECK MOUNTED DETAIL)  
(SEE SHEET 2 FOR 7610 WALL MOUNTED CONFIGURATION)

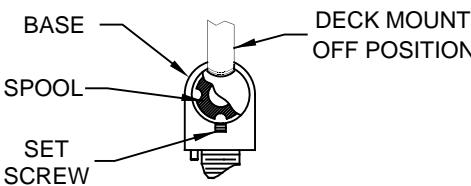
|   |             |       |                        |   |
|---|-------------|-------|------------------------|---|
|  |             |       |                        | 1455 KLEPPE LANE<br>SPARKS, NEVADA 89431<br>(775) 359-4712 FAX (775) 359-7424<br>E-MAIL: HAWS@HAWSCO.COM<br>WEBSITE: WWW.HAWSCO.COM |
|   |             |       |                        | PART NUMBER<br>0002080067.D   |
| ECN NO.   | REVISED PER | BY    | MODEL(S)               | REVISION  |
| 2066  | ECN: 5342   | JP    | 7610                   | 19  |
| DRAWN:  | DATE:       | CHKD: | PULLDOWN EYE/FACE WASH |   |
| JF  | 10/96       | FV    |                        |   |
| APPROVED:   | DATE:       |       | SCALE: 1:1             | DRAWING TYPE: INSTALLATION  |
| MJ  | 09/12/18    |       |                        | SIZE: A   |
|   |             |       |                        | 1 SHEET 1 OF 3  |



#### 4 MOUNTING HOLE DETAIL

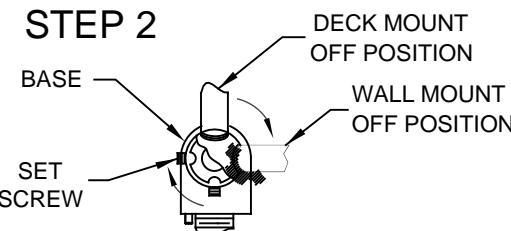
### CONVERT TO WALL MOUNT CONFIGURATION

#### STEP 1



UNIT IS SHIPPED IN DECK MOUNT CONFIGURATION. TO CONVERT TO WALL MOUNT CONFIGURATION, POSITION ARM IN "DECK MOUNT OFF POSITION" AS ABOVE.

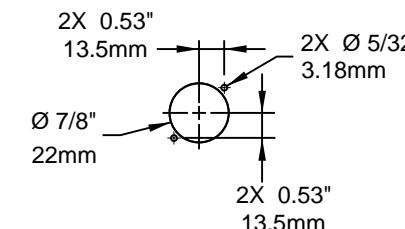
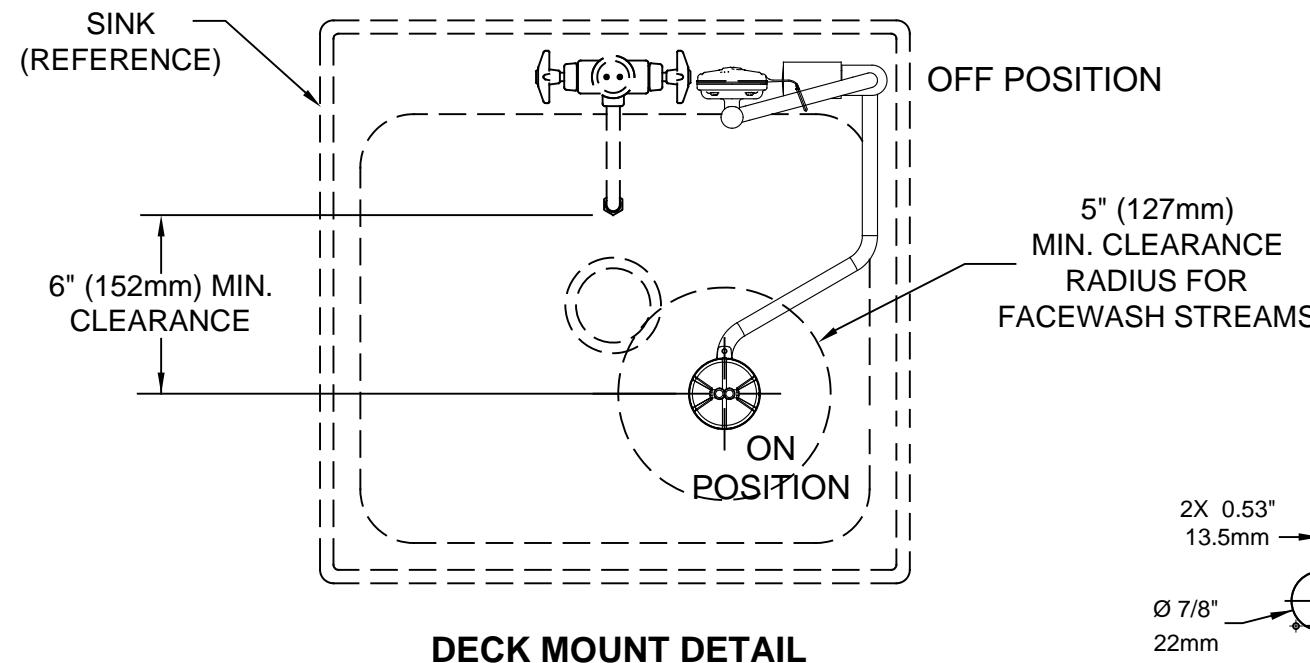
#### STEP 2



NOTE DEPTH OF SET SCREW PRIOR TO LOOSENING. LOOSEN SET SCREW AND ROTATE EYEWASH ARM 90° COUNTERCLOCKWISE (AS SHOWN) WHILE MAKING SURE TO NOT ROTATE THE SPOOL. RE-TIGHTEN SET SCREW IN NEW POSITION. ENSURE SET SCREW IS PROPERLY SEATED IN INDENT. ENSURE SET SCREW IS TIGHT AND AT ITS ORIGINAL DEPTH. ENSURE CORRECT ARM ORIENTATION BEFORE MOUNTING TO WALL. REFERENCE DRAWINGS AT RIGHT.

### 7610 WALL MOUNTED CONFIGURATION (SEE SHEET 1 FOR 7610 DECK MOUNTED CONFIGURATION) (SEE SHEET 3 FOR 7610 DECK MOUNTED DETAIL)

|              |             |         |  |  |     |               |   |         |
|--------------|-------------|---------|--|--|-----|---------------|---|---------|
|              |             |         |  | <b>7610</b><br><b>PULLDOWN EYE/FACE WASH</b> |     |               | 1455 KLEPPE LANE<br>SPARKS, NEVADA 89431<br>(775) 359-4712 FAX (775) 359-7424<br>E-MAIL: HAWS@HAWSCO.COM<br>WEBSITE: WWW.HAWSCO.COM |         |
| ECN NO.      | REVISED PER | BY      |  | MODEL(S)                                     |     |               | PART NUMBER   |         |
| 2066         | ECN: 5342   | JP      |  | 7610   |     |               | 0002080067.D  |         |
| DRAWN:       | DATE:       | CHK'D.: |  |  |     |               | REVISION  |         |
| JF           | 10/96       | FV      |  |  |     |               |   |         |
| APPROVED:    | DATE:       |         |  | SCALE:                                       | 1:1 | DRAWING TYPE: | INSTALLATION  | SIZE: A |
| MJ           | 09/12/18    |         |  |  |     |               |   | 19      |
| SHEET 2 OF 3 |             |         |  |  |     |               |   |         |



#### 4 MOUNTING HOLE DETAIL

**7610 DECK MOUNTED CONFIGURATION**  
(SEE SHEET 1 FOR 7610 DECK MOUNTED CONFIGURATION)  
(SEE SHEET 2 FOR 7610 WALL MOUNTED CONFIGURATION)

|                 |                               |              |  |   |
|-----------------|-------------------------------|--------------|--|---|
|                 |                               |              |  | 1455 KLEPPE LANE<br>SPARKS, NEVADA 89431<br>(775) 359-4712 FAX (775) 359-7424<br>E-MAIL: HAWS@HAWSCO.COM<br>WEBSITE: WWW.HAWSCO.COM |
| ECN NO.<br>5113 | REVISED PER<br>ECN: 5342      | BY:<br>JP    | MODEL(S)<br>7610<br>PULLDOWN EYE/FACE WASH | PART NUMBER<br>0002080067.D<br>REVISION<br>19   |
| DRAWN:<br>CC    | DATE:<br>07/07/16             | CHK'D:<br>FV | APPROVED:<br>MJ                            | DATE:<br>09/12/18   |
| SCALE:<br>1:1   | DRAWING TYPE:<br>INSTALLATION | SHEET: A     | SIZE: A                                    | 3 OF 3  |



[spraymastertech.com](http://spraymastertech.com)

NOTE: CONTROLS MAY BE  
MANUAL SWITCH OR BUTTON



300-1698 Surface Mount

PRODUCT: NO. 150 CONTROL PANEL, SMT REMOTE

SKU NUMBER: \_\_\_\_\_

QUANTITY: \_\_\_\_\_

## FEATURES

- Stainless Steel Remote Station
- Shut-off Quick Connect
- Top or Rear Entry
- Stainless Steel Tubing Supply
- Bottom Port
- Non-Locking
- Electronic Controls

SMT - Surface Mount Remote

**Spray Master Technologies®**

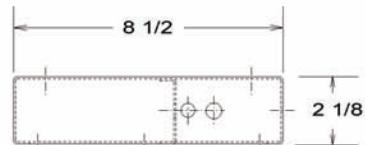
**TOLL FREE: 800-548-3373**

115 E. Linden • Rogers, Arkansas 72756 USA  
(479) 636-5776 • Fax: (479) 636-3245

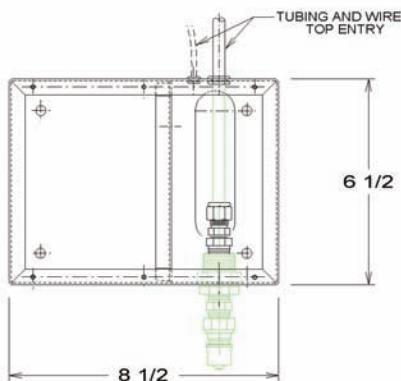
[www.spraymastertech.com](http://www.spraymastertech.com)



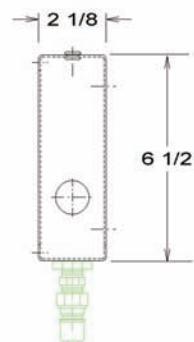
## SMT - Surface Mount Remote



PLAN VIEW

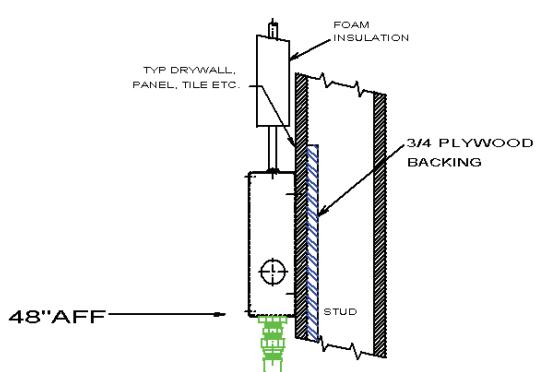


FRONT VIEW

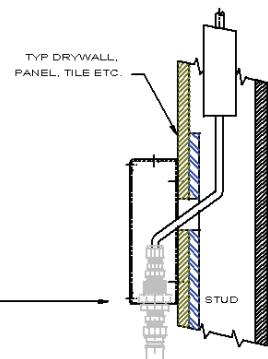


SIDE VIEW

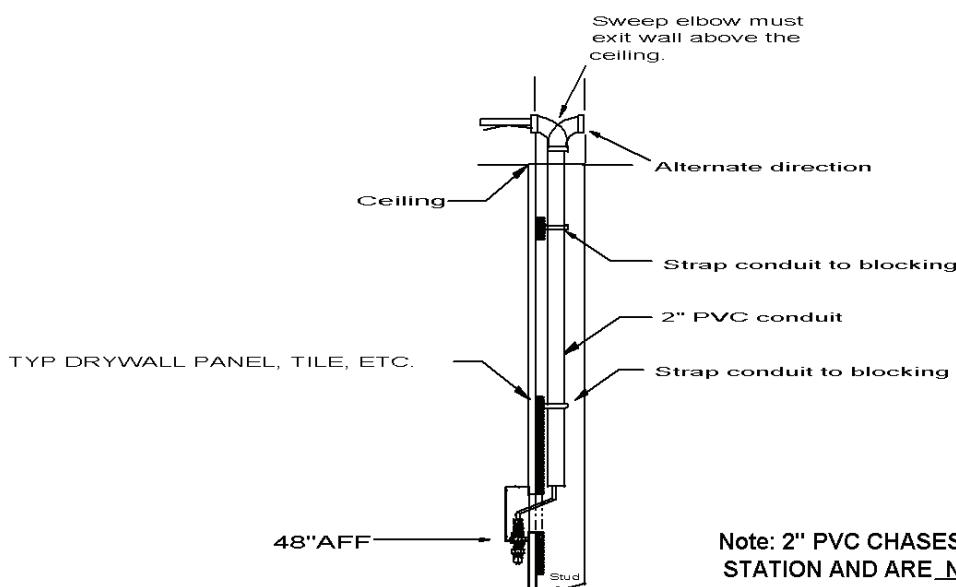
CS-1698 A



SIDE VIEW  
(Surface Wall- Tubing)



SIDE VIEW  
(In-Wall Tubing)



Side View  
(In Wall Tubing)

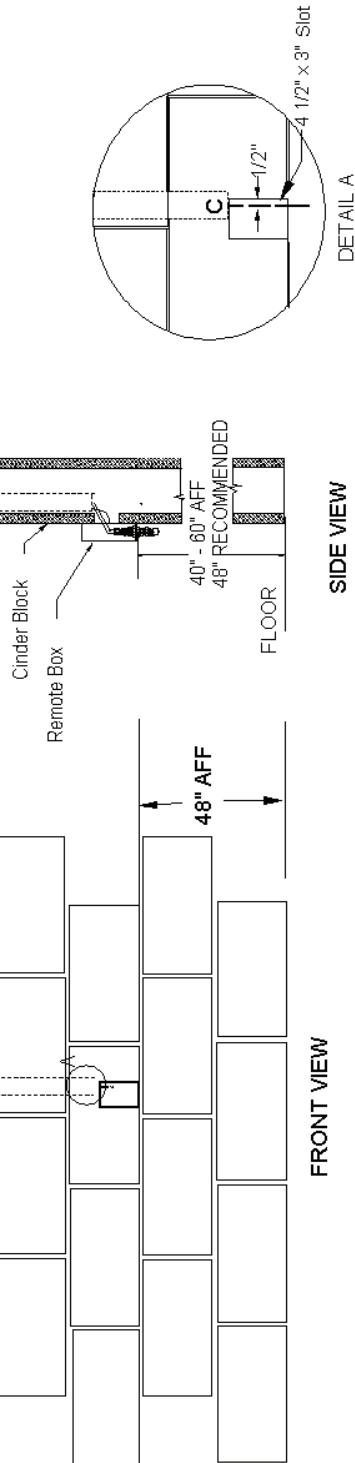
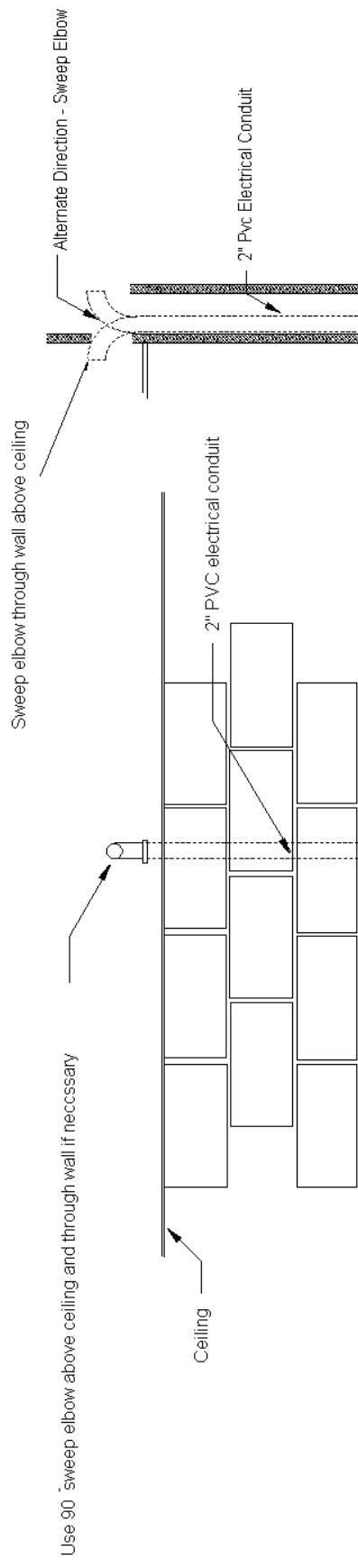
Note: 2" PVC CHASES ARE REQUIRED FOR EACH REMOTE STATION AND ARE NOT QUOTED OR SUPPLIED BY SMT

CS- 1698 B

# SMT - Surface Mount Remote



FRONT VIEW



SIDE VIEW

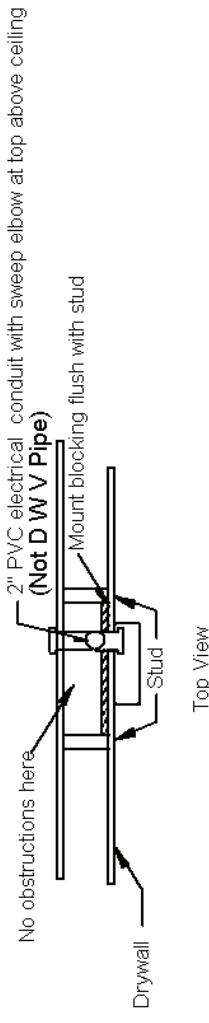
**Note: 2" PVC CHASES ARE REQUIRED FOR EACH REMOTE STATION AND ARE NOT QUOTED OR SUPPLIED BY SMT**

NOTES:

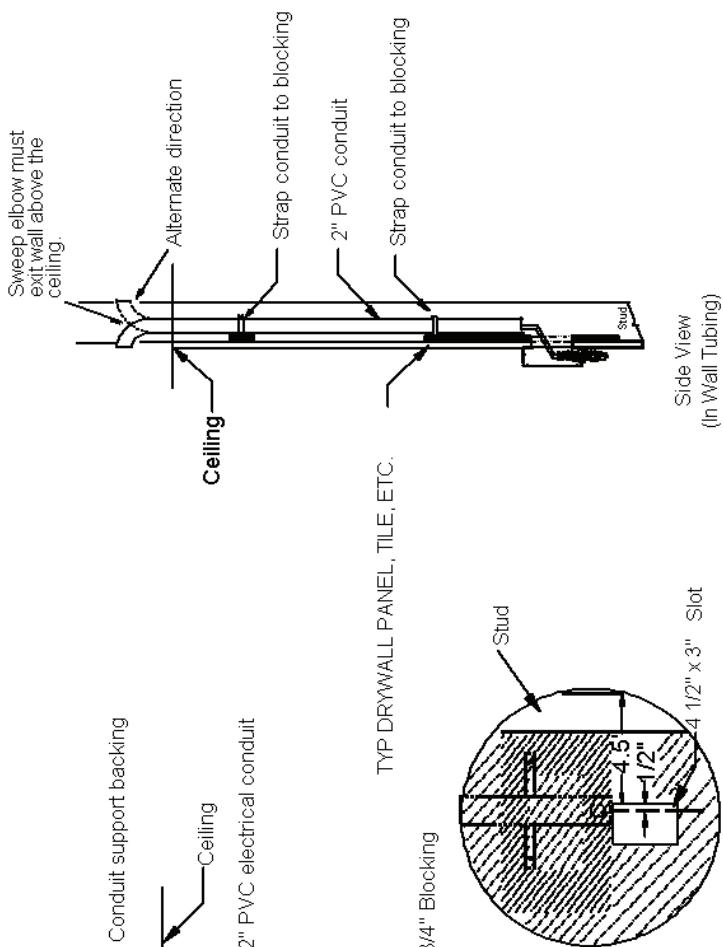
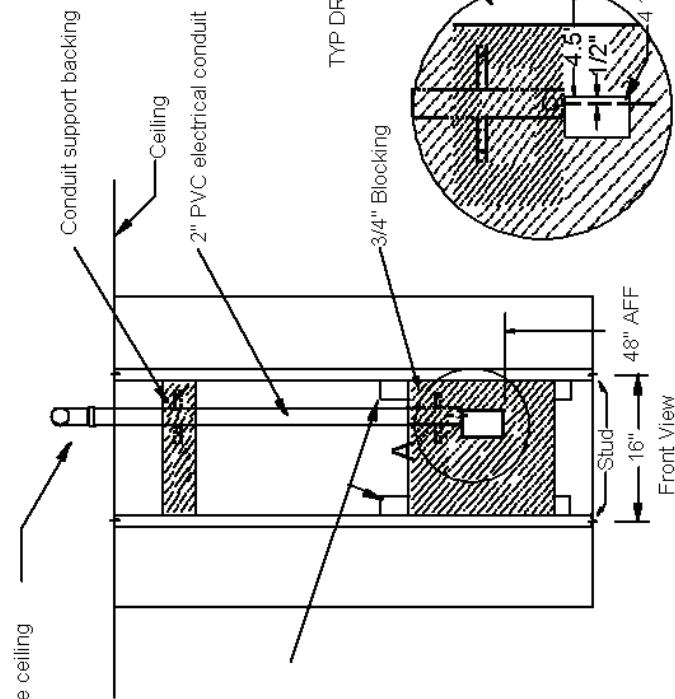
- 1-Cut or block bottom of 4 1/2" x 3" opening 48" above finished floor
- 2-Ensure there are no obstructions
- 3-Secure conduit chase in wall centered at 1/2" from right side of 4 1/2" x 3" opening
- 4-Do not cover 4 1/2" x 3" opening
- 5-Remote box will mount on surface of finished wall.
- 6-Call for Technical Support (800) 548-3373
- 7-Special Provision required for turned out masonry wall.

**CHASE INSTALLATION  
MASONRY WALL  
SURFACE REMOTE  
300-2070**

# SMT - Surface Mount Remote



Use 90° sweep elbow above ceiling



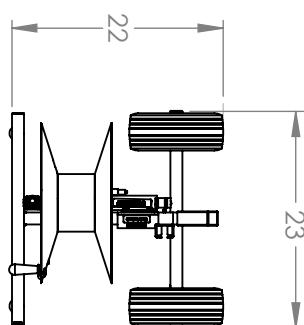
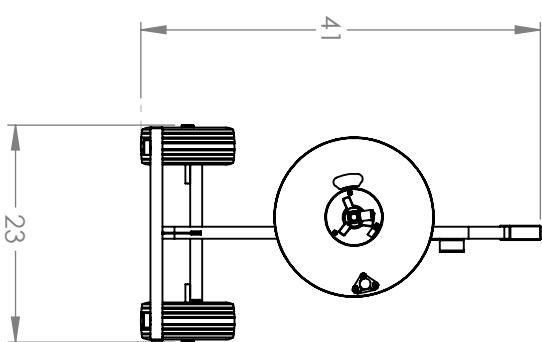
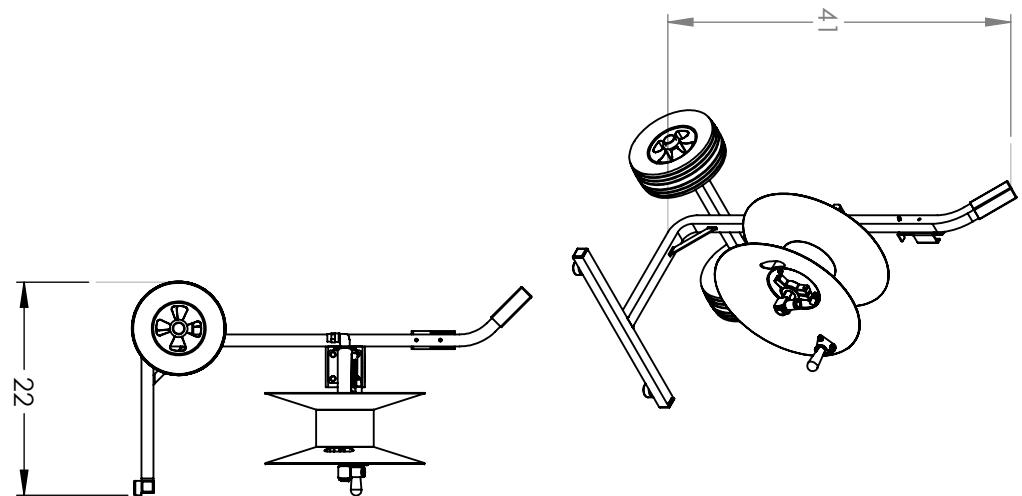
## Notes:

1. Mount the blocking with bottom of 4 1/2" x 3" opening 48" above finished floor.  
 2. Ensure there are no obstructions behind opening in the panel.  
 3. Make sure the blocking is mounted flush with stud.  
 4. Secure blocking firmly to both studs.  
 5. Secure conduit chase to back of blocking centered at 1/2" from right side of 4 1/2" x 3" opening.  
 6. Do not cover 4 1/2" x 3" opening.  
 7. Remote box will mount on surface of finished wall.  
 8. Call for Technical Support (800) 548-3373

## DETAIL A

Note: 2" PVC CHASES & BACKING ARE REQUIRED FOR EACH REMOTE STATION AND ARE NOT QUOTED OR SUPPLIED BY SMT

**Blocking & Chase Installation**  
**Surface Mount Remote**  
**ACD-300-2067**



## Assembled Products Corp.

Description:

HD Hose Reel

| UNLESS OTHERWISE SPECIFIED: |  | NAME      | DATE |
|-----------------------------|--|-----------|------|
| DIMENSIONS ARE IN INCHES    |  | DRAWN     |      |
| TOLERANCES:                 |  | CHECKED   |      |
| FRACTIONAL                  |  | ENG APPR. |      |
| ANGULAR: MACH               |  |           |      |
| TWO PLACE DECIMAL           |  |           |      |
| THREE PLACE DECIMAL         |  |           |      |
| COMMENTS:                   |  |           |      |

|   |          |        |                      |
|---|----------|--------|----------------------|
| INTERPRET GEOMETRIC<br>TOLERANCING PER: | MATERIAL | FINISH | DO NOT SCALE DRAWING |
|---|----------|--------|----------------------|

**ASSEMBLED**

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PROHIBITED.

| SIZE        | DWG. NO. | REV          |
|-------------|----------|--------------|
| <b>A</b>    | 300-5258 |              |
| SCALE: 1:20 | WEIGHT:  | SHEET 1 OF 1 |



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NO. 152 SYSTEM, CLEANING, CENTRAL STATION

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## Momentum Plus (3.6 Central Unit)

INDUSTRIAL PRESSURE WASHING SYSTEM

Item #: 300-5007

Availability: In Stock

Usually ships In 7-10 business days

Price: **CALL**Qty 

Add to Cart

Spray Master Technologies' new Momentum series redefines the pressure washer industry. With an industry first smart control system, the Momentum Plus (2.1 Central System) gives you the information you need to ensure proper operation, pressure, and chemical metering.



- SMT Smart Control System with Logic Controller
- Wall or Rack Mount for Quick Installation
- Chemical Injection by Solenoid
- Anti-Siphon and Backflow Protection/Float Tank
- Optional Pulse Pump (shown)

Provides Accurate Metering and AHP Compatibility

- Maintenance Kit – Water Filter, Replacement Filter, 1 Hydraulic Oil
- 115v or 208v
- GFCI Protected

You may also be interested in these:



0

Product Description

Specifications

**Spray Master Technologies' new Momentum Series** redefines the pressure washer industry. With an industry first smart control system, the **Momentum Plus™** gives you the information you need to ensure proper operation, pressure, and chemical metering.

The advanced control system provides constant monitoring of performance and maintenance conditions to ensure maximum reliability and performance are achieved. One centralized "brain" to control multiple remote stations. Advanced metering capability allows you to accurately control chemical dilution with the touch of the button.

The easy to read LCD screen provides status, pressure readings, hours of operation, maintenance reminders, and more valuable information to keep you informed of the Momentum Plus operational condition.

#### **Motor**

- Baldor 2 HP Commercial Electric Motor
- TEFC - Totally Enclosed Fan Cooled
- Designed for Continuous Use

#### **Pump**

- General Pump
- 1000 PSI @ 2.1 GPM
- Triplex Ceramic Plunger Design
- Commercial Quality for Long Life

#### **Float Tank**

- Provides 2" Air Gap
- Anti-Siphon, Anti-Backflow Protection
- Low Water Shutoff Protection
- Intake Filter
- City of LA Approved



---

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[spraymastertech.com](http://spraymastertech.com)



*Includes hose reel*

300-5025 2.2 gpm / 8.3 lpm @ 1100 psi / 76 bars, 115V  
300-5035 2.2 gpm / 8.3 lpm @ 1000 psi / 69 bars, 208V  
300-5027 2.2 gpm / 8.3 lpm @ 1100 psi / 76 bars, 230V  
300-5024 2.9 gpm / 11 lpm @ 850 psi / 59 bars, 115V  
300-5034 2.9 gpm / 11 lpm @ 800 psi / 55 bars, 208V  
300-5026 2.9 gpm / 11 lpm @ 850 psi / 59 bars, 230V

PRODUCT: NO. 751.1 CLEANING, KENNEL, WALL MOUNT

SKU NUMBER: \_\_\_\_\_

QUANTITY: \_\_\_\_\_

## FEATURES

- 2 hp Motor TEFC, 1725 rpm, 1 Phase Draws 15A
- 3 Cylinder CAT® Super Flow Plunger Pump
- Quick Coupler Set (Connects Hose to Unit)
- Quick Coupler Set (Connects Gun to Hose)
- 50 ft / 15.3 m High Pressure Hose (Steel Braided)
- SMT-200RWC Manual Rewind Hose
- Adjustable Chemical Injector
- One 1gal/3.8L Chemical Basket
- Pressure Gauge, 2000 psi / 138 bars, Liquid Filled
- Stainless Steel Cover and Frame
- Stainless Steel Wall Mount Brackets with Gun Hanger
- 6 ft/2m - Water Inlet Supply Hose
- 4 ft/1.3m Cord with GFC
- Maintenance Kit: Water Filter, Replacement Filter and Two Hydraulic Oils
- ETL-CSA Listed to UL 1776
- Shipping Weight: 239 lb / 104.3 kg

SMT - 1100W Wall Mount System

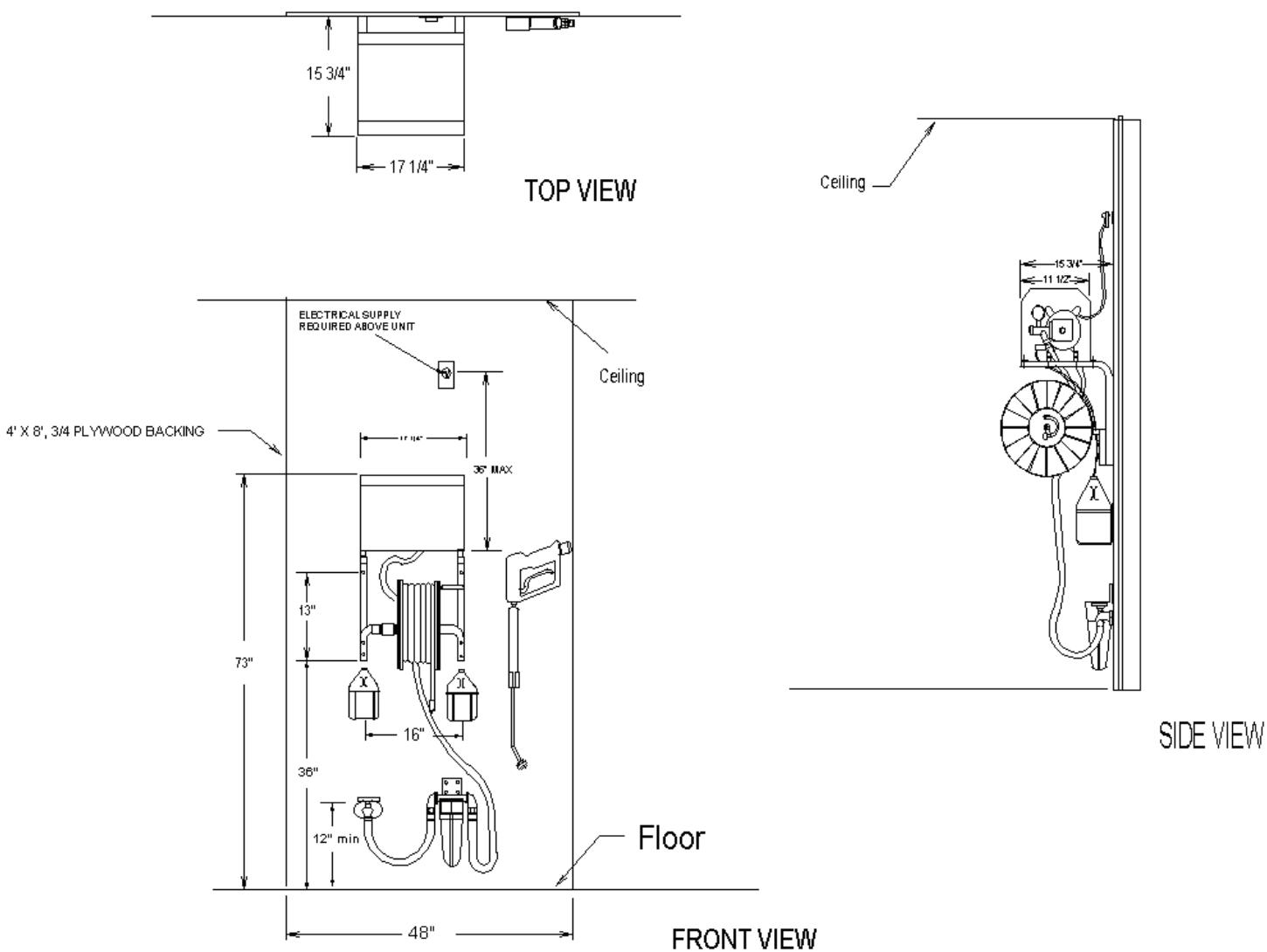
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[www.spraymastertech.com](http://www.spraymastertech.com)





## Equipment Specifications

### Clearances

|            |           |
|------------|-----------|
| Left side  | 12"/30 cm |
| Right side | 12"/30 cm |
| Overhead   | 14"/35 cm |
| Floor      | 36"/91 cm |
| Front      | 36"/91 cm |

### Plumbing

3/4"/2cm Hose Bib with 5gpm/.14Lpm  
@ 30psi/20.6bars. 120°F/49°C

### Electrical

115V, 16A dedicated circuit or  
208-230V, 15A GFCI.

## Installation Specifications

### Electrical:

One (1) 115V, 60hz, single phase, 20A, 'Dedicated Circuit' with standard receptacle. NOTE: For 208V or 230V units a 15A wall receptacle is required.

### Water:

One (1) warm water outlet 120°F/49°C MAX with standard 3/4"/1.9cm hose bib with shut-off valve. A pressure gauge in the water line can be helpful although it is not mandatory. A minimum of 5 gal./19L per minute and a line pressure not less than 30psi/20.6bars, is required.

### Location:

Heated utility room or closet with ventilation. Minimum 14in/.35m clearance above unit required to remove cover. The cover must be removed for servicing the unit. The unit can be serviced without removing it from the wall.

### General Recommendations:

Floor drains are essential in new facilities to receive the greatest utilization and maximum efficiency of your SPRAY MASTER Pressure Washer. Floor materials and wall coverings which can be cleaned with pressurized water are desirable. Locate electrical outlets above washing areas.



Wiremold  
60 Woodlawn Street  
West Hartford, CT 06110

1.877.BY.LEGRAND (295.3472)  
www.legrand.us

# Product Environmental Profile

## Wiremold® Plugmold® 2000 Series™



### LEGRAND'S ENVIRONMENTAL COMMITMENTS

- **Incorporate environmental management into our industrial sites**

Of all Legrand sites worldwide, over 85% are ISO 14001-certified (sites belonging to the Group for more than five years).

- **Offer our customers environmentally friendly solutions**

Develop innovative solutions to help our customers design more energy efficient, better managed and more environmentally friendly installations.

- **Involve the environment in product design and provide informations in compliance with ISO 14025**

Reduce the environmental impact of products over their whole life cycle.

Provide our customers with all relevant information (composition, consumption, end of life, etc.).



### REFERENCE PRODUCT

|                   |  |
|-------------------|--|
| Function          | Distribute the electrical network to the workstation via multi outlets raceway with 10x20A sockets for 20 years. |
| Reference Product |  |
|                   | Cat. No. V20GB506TR (length 5ft)   |
|                   | Low profile multiple outlet raceway  |



The company reserves the right to change specifications and designs without notice. All illustrations, descriptions, dimensions and weights in the document are for guidance and cannot be held binding on the company.

### PRODUCTS CONCERNED

The environmental data is representative of the following products (see extrapolation rule at the end of the document):

- **20GB series:** S20GB206, V20GB306, G20GB306, BK20GB306, WH20GB306, S20GB306, V20GB506, S20GB506, BK20GB506, WH20GB506, G20GB506, V20GB512, G20GB512, BK20GB512, WH20GB512, S20GB512, V20GB606, G20GB606, BK20GB606, WH20GB606, S20GB606, V20GB609, G20GB609, V20GB612, G20GB612, S20GB612, BK20GB612, WH20GB612, V20GB618, G20GB618

- **20GBTR(USB) series:** V20GB306TR(USB), G20GB306TR(USB), BK20GB306TR(USB), WH20GB306TR(USB), S20GB306TR(USB), V20GB506TR(USB), G20GB506TR(USB), BK20GB506TR(USB), WH20GB506TR(USB), S20GB506TR(USB), V20GB606TR(USB), G20GB606TR(USB), BK20GB606TR(USB), WH20GB606TR(USB), S20GB606TR(USB),

- **20IG series:** V20IG306, G20IG306, V20IG606, G20IG606

- **20GBA series:** V20GBA512, G20GBA512, V20IG512, G20IG512, V20GBA609, G20GBA609, V20GBA612, G20GBA612, V20GBA618, G20GBA618

- **20GBTRUSBA series:** V20GB509TRUSBA, G20GB509TRUSBA, BK20GB509TRUSBA, WH20GB509TRUSBA, S20GB509TRUSBA

- **PM36C, 20-C2**

- **PM48C**

- **20GBTRGFI series:** V20GB306TRGFI, G20GB306TRGFI, BK20GB306TRGFI, WH20GB306TRGFI, S20GB306TRGFI, V20GB506TRGFI, G20GB506TRGFI, BK20GB506TRGFI, WH20GB506TRGFI, S20GB506TRGFI, S20GB606TRGFI, V20GB606TRGFI, G20GB606TRGFI, BK20GB606TRGFI, WH20GB606TRGFI

# Product Environmental Profile

## Wiremold® Plugmold® 2000 Series™



**PEP**  
**ECO**  
**PASS**  
**PORT**



### CONSTITUENT MATERIALS

This Reference Product contains no substances prohibited by the regulations applicable at the time of its introduction to the market. It respects the restrictions on use of hazardous substances as defined in the RoHS directive 2011/65/CE.

|  |  |                     |                             |  |
|--|--|---------------------|-----------------------------|--|
| <b>Total weight of Reference Product</b> | <b>70.91oz (2010.2g)</b> (with unit packaging) |                     |                             |  |
| <b>Plastics as % of weight</b>           | <b>Metals as % of weight</b>                   |                     | <b>Other as % of weight</b> |  |
| PA                                       | <b>6.4 %</b>                                   | Steel               | <b>49.8 %</b>               |  |
| POM                                      | <b>1.1 %</b>                                   | Copper              | <b>8.9 %</b>                |  |
| PVC                                      | <b>0.9 %</b>                                   |                     |                             | <b>Packaging as % of weight</b>                |
|  |  |                     |                             | Wood <b>24.1 %</b>                             |
|  |  |                     |                             | Paper <b>7.4 %</b>                             |
|  |  |                     |                             | PE <b>0.8 %</b>                                |
| <b>Total plastics</b>                    | <b>8.4 %</b>                                   | <b>Total metals</b> | <b>58.7 %</b>               | <b>Total other and packaging</b> <b>32.4 %</b> |

Estimated recycled material content: 27 % by mass.

For GFCI protected Plugmold (XX20GBXXXTRGFII), use the table below regarding the constituent materials.

|  |  |                     |                             |  |
|--|--|---------------------|-----------------------------|--|
| <b>Total weight of Reference Product</b> | <b>72.06oz (2043.2g)</b> (with unit packaging) |                     |                             |  |
| <b>Plastics as % of weight</b>           | <b>Metals as % of weight</b>                   |                     | <b>Other as % of weight</b> |  |
| PA                                       | <b>6.8 %</b>                                   | Steel               | <b>49.3 %</b>               | Electronic components <b>0.5 %</b>             |
| POM                                      | <b>1.0 %</b>                                   | Copper              | <b>8.9 %</b>                |  |
| PVC                                      | <b>0.9 %</b>                                   |                     |                             | <b>Packaging as % of weight</b>                |
| PET                                      | <b>0.2 %</b>                                   |                     |                             | Wood <b>23.8 %</b>                             |
| PC                                       | <b>&lt; 0.1 %</b>                              |                     |                             | Paper <b>7.3 %</b>                             |
|  |  |                     |                             | PE <b>0.8 %</b>                                |
| <b>Total plastics</b>                    | <b>8.9 %</b>                                   | <b>Total metals</b> | <b>58.2 %</b>               | <b>Total other and packaging</b> <b>32.4 %</b> |

Estimated recycled material content: 26 % by mass.

For Plugmold equipped with a USB charging system (XX20GBXXXTRUSBX) use the table below regarding the constituent materials.

|  |  |                     |                             |  |
|--|--|---------------------|-----------------------------|--|
| <b>Total weight of Reference Product</b> | <b>78.34oz (2221.1g)</b> (with unit packaging) |                     |                             |  |
| <b>Plastics as % of weight</b>           | <b>Metals as % of weight</b>                   |                     | <b>Other as % of weight</b> |  |
| PA                                       | <b>5.8 %</b>                                   | Steel               | <b>46.3 %</b>               | Electronic components <b>1.3 %</b>             |
| PC                                       | <b>3.0 %</b>                                   | Copper              | <b>11.6 %</b>               |  |
| PVC                                      | <b>1.3 %</b>                                   |                     |                             | <b>Packaging as % of weight</b>                |
| POM                                      | <b>1.0 %</b>                                   |                     |                             | Wood <b>21.8 %</b>                             |
|  |  |                     |                             | Paper <b>6.7 %</b>                             |
|  |  |                     |                             | PE <b>0.8 %</b>                                |
| <b>Total plastics</b>                    | <b>11.0 %</b>                                  | <b>Total metals</b> | <b>57.9 %</b>               | <b>Total other and packaging</b> <b>30.8 %</b> |

Estimated recycled material content: 26 % by mass.



### MANUFACTURE

This Reference Product comes from sites that have received ISO14001 certification.



### DISTRIBUTION

Products are distributed from logistics centers located to optimize transport efficiency using EPA SmartWay® certified carriers to reduce greenhouse gases emissions. The Reference Product is therefore transported over an average distance of 2175 miles by truck from our warehouse to the local point of distribution into the market in North America.



### INSTALLATION

For the installation of the product, only standard tools are needed.



### USE

#### Servicing and maintenance :

Under normal conditions of use, this product requires no servicing or maintenance.

#### Consumables :

No consumables are necessary to use the Reference Product.



### END OF LIFE

Development teams integrate product end-of-life factors in the design phase.

#### Hazardous waste\* contained in the product:

no hazardous waste  
(\*) Hazardous waste as defined by European Commission decision 2000/532/EC.

#### • Recycling rate:

Calculated using the method described in the IEC/TR 62635 technical report, the recyclability rate of the product is estimated as 94.9 %. This value is based on data collected from a technological channel using industrial procedures. It does not pre-validate the effective use of this channel for end-of-life electrical and electronic products.

Separated into:

|   |          |
|---|----------|
| - metal materials (excluding packaging)   | : 58.7 % |
| - plastic materials (excluding packaging) | : 9.8 %  |
| - packaging (all types of materials)      | : 30.4 % |



### ENVIRONMENTAL IMPACTS

The evaluation of environmental impacts examines the stages of the Reference Product life cycle: manufacturing, distribution, installation, use and end-of-life. It is representative from products marketed and used in North America.

For each phase, the following modelling elements were taken in account:

|                                   |  |
|-----------------------------------|--|
| <b>Manufacture</b>                | Packaging taken into account. As required by the «PEP ecopassport» programme all transports for the manufacturing of the Reference Product, including materials and components, has been taken in account. The waste generated during manufacturing phase has been taken into account.   |
| <b>Distribution</b>               | Transport between the last Group distribution centre and an average delivery to the sales area   |
| <b>Installation</b>               | The end-of-life of the packaging is taken into account at this phase   |
| <b>Use</b>                        | <ul style="list-style-type: none"><li>Under normal conditions of use, this type of product requires no servicing or maintenance.</li><li>No consumables are necessary to use this type of product.</li><li>Product category: PSR0003-ed1.1-EN-2015_10_16-Cable_Management_Solutions §3.2.3.2. Pre-equipped service poles, service posts and multi-outlet extensions.</li><li>Use scenario : non-continuous operation (30% of the time) for 20 years at 30% of rated load. This modelling duration does not constitute a minimum durability requirement.</li><li>Energy model: Electricity Mix; United States - 2009.</li></ul> |
| <b>End of life</b>                | The default end of life scenario maximizing the environmental impacts  |
| <b>Software and database used</b> | EIME V5 and its database «CODDE-2015-04» and the indicators defined in the PCR ed3 in alignment with the EN 15804 standard.  |

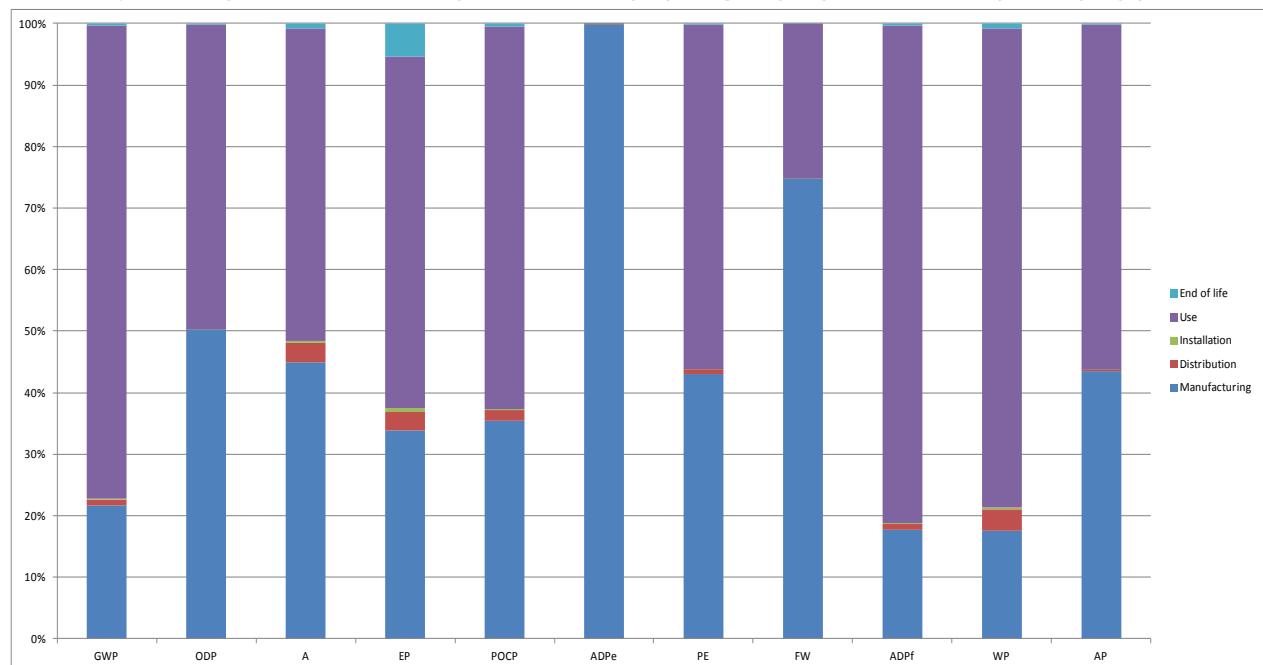


### ■ SELECTION OF ENVIRONMENTAL IMPACTS

|   | Total for Life cycle |                | Raw material and manufacture |      | Distribution |      | Installation |      | Use      |      | End of life |      |
|---|----------------------|----------------|------------------------------|------|--------------|------|--------------|------|----------|------|-------------|------|
| Global warming                                | 3.46E+01             | kgCO2 eq.      | 7.48E+00                     | 22%  | 3.50E-01     | 1%   | 3.34E-02     | < 1% | 2.66E+01 | 77%  | 9.60E-02    | < 1% |
| Ozone depletion                               | 9.74E-07             | kgCFC-11 eq.   | 4.90E-07                     | 50%  | 7.09E-10     | < 1% | 1.12E-10     | < 1% | 4.82E-07 | 50%  | 1.00E-09    | < 1% |
| Acidification of soils and water              | 5.01E-02             | kgSO2 eq.      | 2.25E-02                     | 45%  | 1.57E-03     | 3%   | 1.54E-04     | < 1% | 2.55E-02 | 51%  | 3.98E-04    | < 1% |
| Water eutrophication                          | 1.17E-02             | kg(P04)3- eq.  | 3.97E-03                     | 34%  | 3.62E-04     | 3%   | 7.39E-05     | < 1% | 6.71E-03 | 57%  | 6.24E-04    | 5%   |
| Photochemical ozone formation                 | 6.55E-03             | kgC2H4 eq.     | 2.32E-03                     | 35%  | 1.12E-04     | 2%   | 1.09E-05     | < 1% | 4.08E-03 | 62%  | 3.00E-05    | < 1% |
| Depletion of abiotic resources - elements     | 2.95E-04             | kgSb eq.       | 2.95E-04                     | 100% | 1.40E-08     | < 1% | 1.37E-09     | < 1% | 2.61E-07 | < 1% | 4.48E-09    | < 1% |
| Total use of primary energy                   | 6.40E+02             | MJ             | 2.75E+02                     | 43%  | 4.69E+00     | < 1% | 4.45E-01     | < 1% | 3.58E+02 | 56%  | 1.12E+00    | < 1% |
| Net use of fresh water                        | 1.87E-01             | m <sup>3</sup> | 1.40E-01                     | 75%  | 3.13E-05     | < 1% | 5.06E-06     | < 1% | 4.70E-02 | 25%  | 3.72E-05    | < 1% |
| Depletion of abiotic resources - fossil fuels | 5.20E+02             | MJ             | 9.24E+01                     | 18%  | 4.92E+00     | < 1% | 4.68E-01     | < 1% | 4.21E+02 | 81%  | 1.28E+00    | < 1% |
| Water pollution                               | 1.68E+03             | m <sup>3</sup> | 2.95E+02                     | 18%  | 5.76E+01     | 3%   | 5.40E+00     | < 1% | 1.31E+03 | 78%  | 1.31E+01    | < 1% |
| Air pollution                                 | 4.03E+03             | m <sup>3</sup> | 1.75E+03                     | 43%  | 1.44E+01     | < 1% | 2.16E+00     | < 1% | 2.26E+03 | 56%  | 6.68E+00    | < 1% |

The values of the 27 impacts defined in the PCR-ed3-EN-2015 04 02 are available in the digital database of pep-ecopassport.org website.

### % ENVIRONMENTAL IMPACT PER LIFE CYCLE STAGE OF REFERENCE PRODUCT



# Product Environmental Profile

## Wiremold® Plugmold® 2000 Series™



All the raceways are made of painted metals. For all the colors, WH (white), BK (black), V (ivory), G (grey), S (silver), the environmental impacts are the same. The environmental impacts for IG and GB wiring configuration are the same.

For all the different spacing between the outlets, the environmental impacts should be considered the same for a fixed length of the product. The calculation has been made on a 6inch spacing which maximizes the impacts.

The two tables below can be combined.

For WP\* (Water Pollution) lines, only the impact on Water Pollution for the manufacturing phase must be multiply by this specific factor.

|                          | Manufacturing | Distribution     | Installation | Use | End of life |
|--------------------------|---------------|------------------|--------------|-----|-------------|
| <b>20GB series</b>       | 1.0           | 1.0              | 1.0          | 1.0 | 1.0         |
| <b>20GBA series</b>      | 1.3           | 1.1              | 1.0          | 1.0 | 1.1         |
| <b>PM36C/20-C2</b>       | 4.9           | <b>WP*:</b> 12.6 | 0.9          | 1.3 | 1.8         |
| <b>PM48C</b>             | 6.5           | <b>WP*:</b> 16.8 | 1.2          | 1.7 | 2.3         |
| <b>20GBTRGFI series</b>  | 2.0           | 1.1              | 1.0          | 2.9 | 1.1         |
| <b>20GBTRUSB series</b>  | 1.3           | <b>WP*:</b> 2.8  | 1.1          | 1.0 | 17.5        |
| <b>20GBTRUSBA series</b> | 1.6           | <b>WP*:</b> 2.9  | 1.1          | 1.0 | 18.1        |

The environmental impacts shown on the table above are based on the default length 5ft of the reference product. To extrapolate different lengths, multiply all the impacts by the scale factor corresponding to the desired length shown in the table below.

| Length (ft) | 2   | 3   | 5 (REF) | 6   |
|-------------|-----|-----|---------|-----|
| Ratio       | 0.4 | 0.6 | 1.0     | 1.2 |

|  |  |
|--|--|
| Registration N°: LGRP-00574-V01.01-EN  | Drafting rules: PEP-PCR-ed3-EN-2015 04 02<br>Supplemented by PSR0003-ed1.1-EN-2015_10_16                   |
| Verifier accreditation N°: VH02  | Information and reference documents : <a href="http://www.pep-ecopassport.org">www.pep-ecopassport.org</a> |
| Date of issue: 12-2017   | Validity period: 5 years   |
| Independent verification of the declaration and data, in compliance with ISO 14025:2010                                    |  |
| Internal <input checked="" type="checkbox"/> External <input type="checkbox"/>   |  |
| The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)                                    |  |
| PEP are compliant with XP C08-100-1: 2014  |  |
| The elements of the present PEP cannot be compared with elements from another program                                      |  |
| Document in compliance with ISO 14025 : 2010: «Environmental labels and declarations. Type III environmental declarations» |  |
| Environmental data in alignment with EN 15804 : 2012 + A1 : 2013   |  |





## MedGas Hose & Electrical/Data Cord Drops

The **Hose/Cord Drop** will accommodate a mixture of various medical gas and vacuum hose, electrical and data cord drops.

### Features

- Welded steel construction back box
- Cover plate is stainless steel with a brushed finish
- Exposed cable reels
- Adjustable cable retractor to pull hose up out of the way when not in use
- Strain relief anchor point for each device

### Medical Gas Hose Drop

- DISS fitting at proximal end
- Conductive, color coded hose, 6ft
- Kellems strain relief grip
- Medical gas coupler at distal end.

Available in DISS, Chemetron, Puritan-Bennett, Ohmeda and Oxequip. Also available in HTM-2022 or DIN



### Electrical Cord Drop

- Twist-lock, Hospital Grade plug at top end
- Heavy duty, SJTOW cord, 6ft
- Kellems strain relief grip
- Electrical Receptacle(s), Hospital Grade, Duplex, 20A, mounted in a NEoTEX non-conductive box

### Data Cord Drop

- $\frac{3}{4}$ ", 1g, Face plate at top end
- Flex, Plastic Conduit, 6ft
- Kellems strain relief grip
- 4 port module insert and face plate

Hose and Cord drops can be added or removed to suit the requirement of the room. Each drop is considered an individual item unless otherwise noted. Standard back box is 8" x 8" and can accommodate up to 4 services. Larger boxes are available when required. Refer to part numbers and descriptions on page 2.



### Ordering Information

Medical Gas Hose Drops are available with any configuration of the following medical gas outlets [Up to 8 services] Please specify Outlet Type at time of purchase.

- Oxygen
- Medical Air
- Vacuum'
- EVAC [WAGE]
- N2O
- Co2

| <b>Medical Gas Hose Drops</b>               | <b>Part Number</b> |
|---|--------------------|
| Medical Gas, Single, Vacuum                 | 299055-VAC         |
| Medical Gas, Single, Oxygen                 | 299056-OXY         |
| Medical Gas, Single, Medical Air            | 299057-AIR         |
| Medical Gas, Single, Nitrous Oxide          | 299058-N2O         |
| Medical Gas, Single, Evacuation (WAGD)      | 299059-EVAC        |
| Medical Gas, Single, Carbon Dioxide         | 299060-CO2         |
| Medical Gas, Single, Nitrogen               | 299061-N2          |
| <b>Electrical Cord Drops</b>                | <b>Part Number</b> |
| Single Drop w/ 1 Duplex, Emergency, Red     | 299098             |
| Single Drop w/ 1 Duplex, Normal, Ivory      | 299098-I           |
| Single Drop w/ 1 Duplex, Normal, White      | 299098-W           |
| Single Drop w/ 2 Duplex, Emergency, Red     | 299099             |
| Single Drop w/ 2 Duplex, Normal, Ivory      | 299099-I           |
| Single Drop w/ 2 Duplex, Normal, White      | 299099-W           |
| <b>Data Cord Drop</b>                       |                    |
| Single Drop, Data with 4 Port Module Insert | 299100             |

**Boxes and Drops are available as individual items or as an assembly.**

**Available with US Plug, British Standard and DIN**



## MedGas Hose & Electrical/Data Cord Drops

The **Hose/Cord Drop** will accommodate a mixture of various medical gas and vacuum hose, electrical and data cord drops.

### Features

- Welded steel construction back box
- Cover plate is stainless steel with a brushed finish
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- Adjustable cable retractor to pull hose up out of the way when not in use
- Strain relief anchor point for each device

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- DISS fitting at proximal end
- Conductive, color coded hose, 6ft
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- Medical gas coupler at distal end.

Available in DISS, Chemetron, Puritan-Bennett, Ohmeda and Oxequip. Also available in HTM-2022 or DIN



### Electrical Cord Drop

- Twist-lock, Hospital Grade plug at top end
- Heavy duty, SJTOW cord, 6ft
- Kellems strain relief grip
- Electrical Receptacle(s), Hospital Grade, Duplex, 20A, mounted in a NEoTEX non-conductive box

### Data Cord Drop

- $\frac{3}{4}$ ", 1g, Face plate at top end
- Flex, Plastic Conduit, 6ft
- Kellems strain relief grip
- 4 port module insert and face plate

Hose and Cord drops can be added or removed to suit the requirement of the room. Each drop is considered an individual item unless otherwise noted. Standard back box is 8" x 8" and can accommodate up to 4 services. Larger boxes are available when required. Refer to part numbers and descriptions on page 2.



### Ordering Information

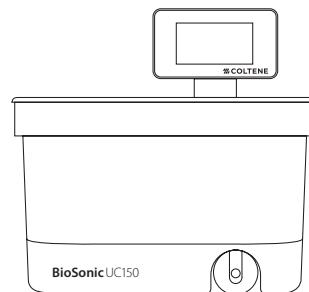
Medical Gas Hose Drops are available with any configuration of the following medical gas outlets [Up to 8 services] Please specify Outlet Type at time of purchase.

- Oxygen
- Medical Air
- Vacuum'
- EVAC [WAGE]
- N2O
- Co2

| <b>Medical Gas Hose Drops</b>               | <b>Part Number</b> |
|---|--------------------|
| Medical Gas, Single, Vacuum                 | 299055-VAC         |
| Medical Gas, Single, Oxygen                 | 299056-OXY         |
| Medical Gas, Single, Medical Air            | 299057-AIR         |
| Medical Gas, Single, Nitrous Oxide          | 299058-N2O         |
| Medical Gas, Single, Evacuation (WAGD)      | 299059-EVAC        |
| Medical Gas, Single, Carbon Dioxide         | 299060-CO2         |
| Medical Gas, Single, Nitrogen               | 299061-N2          |
| <b>Electrical Cord Drops</b>                | <b>Part Number</b> |
| Single Drop w/ 1 Duplex, Emergency, Red     | 299098             |
| Single Drop w/ 1 Duplex, Normal, Ivory      | 299098-I           |
| Single Drop w/ 1 Duplex, Normal, White      | 299098-W           |
| Single Drop w/ 2 Duplex, Emergency, Red     | 299099             |
| Single Drop w/ 2 Duplex, Normal, Ivory      | 299099-I           |
| Single Drop w/ 2 Duplex, Normal, White      | 299099-W           |
| <b>Data Cord Drop</b>                       |                    |
| Single Drop, Data with 4 Port Module Insert | 299100             |

**Boxes and Drops are available as individual items or as an assembly.**

**Available with US Plug, British Standard and DIN**



# BioSonic® UC150

## Ultrasonic Cleaner

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**Date of issue:**  
09-2018

# BioSonic® UC150

## Ultrasonic Cleaner

### 1. Overview

---

#### **An Essential Part of Your Infection Control System**

Congratulations on your purchase of a BioSonic® Ultrasonic Cleaner - a high quality, extremely efficient and popular ultrasonic cleaning system in dentistry.

Developed specifically for the dental industry, BioSonic units feature a unique product design to optimize time and safety in the office or laboratory.

BioSonic is a complete ultrasonic cleaning system, with a full line of cleaning solutions and unit accessories which provide you with the flexibility to efficiently clean instruments, prostheses, burs and other appliances.

---

#### **What is Ultrasonic Cleaning?**

Ultrasonic Cleaning is a process created by high frequency soundwaves. The soundwaves, enhanced by specially formulated cleaning solutions, create high energy cavitation. During cavitation, millions of tiny bubbles form and then collapse or "implode," releasing enormous amounts of energy and shockwaves which scour the surface of instruments, appliances and other devices placed in the cleaning solution. This powerful scouring action reaches into minute crevices, which manual brushing cannot reach. The combination of energy and specially formulated solutions make ultrasonic cleaning the most effective method for removing large and microscopic debris.

---

#### **Intended Use:**

The BioSonic® UC150 Ultrasonic Cleaner is intended for cleaning medical instruments by the emission of high frequency soundwaves.

## 2. Safety Information

**NOTE: Failure to comply with these Caution and Warning statements may result in injury to personnel or equipment damage.**

|  |   |
|--|---|
| <br><b>CAUTION!</b> | <p>Do not operate the unit without sufficient solution in the tank. Do not use water alone as the carrier bath. Water is not a satisfactory coupling agent unless a wetting agent is used. For best results use BioSonic General Purpose, BioSonic Germicidal Cleaner or BioSonic Enzymatic Ultrasonic Cleaning solutions.</p> <p>Do not place objects directly on bottom of the tank because they may block cavitation and cause buildup of heat in the transducer causing premature failure. Use only BioSonic UC150 accessory baskets, cassette racks or beakers to hold items.</p> <p>Do not restrict airflow. Provide adequate ventilation by maintaining at least 2 inches clearance at the back.</p> <p>Do not subject unit to shock or impact.</p> <p>Do not immerse the unit in water.</p> <p>Keep the display surface dry for proper functioning of device.</p> <p>This product is intended for use only by trained healthcare professionals.</p> <p>Use this product in accordance with the instructions in the owner's guide.</p> <p>Unspecified or improper use of this product may impair safety protection.</p> <p>Before cleaning items of considerable value ultrasonically, consult the item's manufacturer for cleaning precautions.</p> <p>The power off selection from the keypad does not turn off main power to the unit. Unplug the device from the power outlet to shut down the device.</p> <p>This equipment may cause radio interference or may disrupt the operation of nearby equipment. It may be necessary to take mitigation measures such as reorienting or relocating the unit or shielding the location.</p> <p>Never drain tank by manually discarding solution as this may cause the unit to stop working properly.</p> <p>Use only the supplied power cord or equivalent rated for 105°C.</p> <p>Do not disassemble the unit. There are no user serviceable parts inside.</p> <p>Keep unit covered to reduce airborne contaminants.</p> <p>Do not place fingers or hands in the ultrasonic tank while in operation.</p> <p>Ensure appropriate decontamination in case of spillage of hazardous material on or inside of the equipment through device openings.</p> |
|--|---|



Operation for long periods of time will cause the cleaning solution to get very hot. To avoid scalding, do not place hands in the solution or spill any onto you. Be careful when removing an item from the tank as it may also be hot.

### 3. Explanation of Symbols

|  |   |  |                                |
|--|---|--|--------------------------------|
|  | Caution: Hot Surface                                |  | Settings Menu                  |
|  | Warning/Caution:<br>Refer to accompanying documents |  | Log                            |
|  | Caution: Risk of Electric shock                     |  | Heater Settings                |
|  | Temperature Limits                                  |  | Degas Menu                     |
|  | Humidity Limits                                     |  | Date and Time Settings         |
|  | Proper Disposal Required                            |  | Language and Measures Settings |
|  | Eco Cleaning Mode [15 min.]                         |  | 'MY' mode settings             |
|  | Regular Cleaning Mode [20 min.]                     |  | Information                    |
|  | Strong Cleaning Mode [30 min.]                      |  | Screen ON/OFF                  |
|  | 'MY' Cleaning/Custom mode                           |  | Manufacturer                   |

## 4. Unpacking

---



**Figure 1 BioSonic UC150 Parts and descriptions**

- Remove your BioSonic unit from the shipping container and inspect the unit for any possible damage which may have occurred during shipping.
- Check the serial number of the unit (found on either the underside or rear of the unit) with the number on the shipping carton. If they are not identical, contact your dealer.
- **Register your product warranty at: <http://warranty.coltene.com>**

## 5. Installation and Setup

---

### General Setup

- Select your desired location for the cleaner. It should be on a solid level surface and in close proximity to a sink or to waste lines to facilitate draining. The hose supplied with the unit will allow you to place the unit on the left side of the sink or connect directly to the waste line.
- Connect one end of the hose to the drain valve (**Figure 4\***) and place the other end in the sink. If desired, have your plumber connect the hose directly to the waste line with the appropriate fittings.

\*see last page for figures

- **CONNECT THE DISPLAY.** Attach the connector on the bottom of the display module to the connector on the top right-hand corner of the unit. Press the display module down carefully until it snaps into the right position.
- **PLUG IN THE UNIT.** Attach the BioSonic UC150 electrical cord at the lower back of the unit and plug into a three-wire grounded AC outlet (in accordance with local regulations) (Figure 9\*). It is recommended that the unit be plugged into a Ground Fault Circuit Interrupter (GFCI) outlet.

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#### **Installation instructions for recessing unit:**

- Tools Required:
  - Electric Drill
  - Drill bit to drill a hole large enough to accept your reciprocating saw blade
  - Reciprocating saw and blade

**NOTE:** This Ultrasonic Cleaner must be installed by an experienced equipment manager or licensed contractor. Be sure to follow local building codes.

**NOTE:** Before you begin please read and understand the safety instructions provided by the manufacturer of the tools required for installation.

- Select the desired location for the cleaner. You will need at least 19 cm (7.5 inches) clear vertical space below the top of the counter to accommodate the tank enclosure. The countertop must be flat and level. Make sure that you are not selecting a location which will interfere with drawers or vertical partitions between cabinets.
- Tape the enclosed template down to the counter top in the desired location. Make sure that the "front of the unit" is closest to the user.
- Cut along the "cut line" for the counter top with a jigsaw or other reciprocating saw.
- Clean away dirt or sawdust around the opening and remove scrap wood.
- Attach the rubber gasket on the housing for better seating between bezel and counter top.
- Lower unit into opening. Be sure that the printed BioSonic logo on the housing faces the user. (*Figure 11\**)
- The hose supplied with the BioSonic UC150 will allow you to dispose of the waste in accordance with your local, state and/or federal regulations.

\*see last page for figures

- Opening the drain valve will allow you to empty the solution into a waste storage container for disposal in accordance with your local, state and/or federal regulations.



### WARNING!

(Failure to comply may result in personnel injury and/or equipment damage.)

Power should not be supplied to the unit until all interconnections between the display and tank enclosure and any accessories are securely connected.

This unit must be properly grounded. Failure to properly ground unit may result in serious injury.

### Power up Settings:

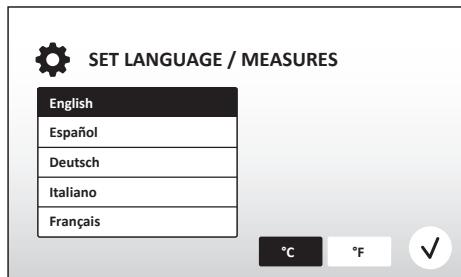


Figure 2 Setup Screen: Language and Measures

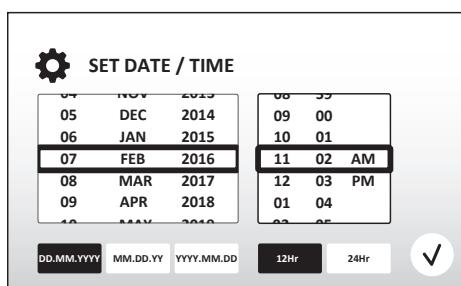


Figure 3 Setup Screen: Date and Time

- SELECT A LANGUAGE AND TEMPERATURE UNIT: Select the language for your appropriate region from the drop down list. Press  button to accept.

- SET THE DATE AND TIME: Set the date and time with the preferred format by using the drop down list and format buttons. Press  to accept. User can choose one of the three date formats:

- DD.MM.YY
- MM/DD/YY
- YY-MM-DD

- SETUP COMPLETE. The display will now show the main screen once setup is completed in the language of your choice. Your BioSonic UC150 is now setup and ready to use!

**NOTE:** If modifications need to be made to the setup of the unit, go to settings menu by pressing to change the setup options.

## 6. Filling Instructions

- Ensure that the drain handle (*Figure 5\**) is fully rotated counter-clockwise to the closed position. Fill the unit with warm water to the fill line indicator (*Figure 6\**). Ensure that the water level is filled up to the minimum line and does not exceed the maximum line while using accessories like beakers or baskets.
- Pour the required amount of ultrasonic cleaning solution (eg. BioSonic General Purpose UC30, BioSonic Enzymatic Ultrasonic Cleaner UC32) and water into the tank. Note that some solutions require the use of a beaker.
- Change the solution in the tank daily or sooner if it appears soiled or discolored. When beakers are used, change the solution in the beaker after each use.
- Drain unit by fully rotating the drain handle clockwise to the “Open” position and allow the solution to empty into sink or waste system. Rinse tank and fully rotate the drain handle counter-clockwise to the “Closed” position. Never drain tank by manually discarding solution as this may cause the unit to stop working properly.

**NOTE:** Never operate the unit without solution. **Operating a dry tank will void the warranty.** Do not place objects directly on bottom of tank. Always use a cassette basket or beakers.

## 7. Degassing

Degassing the solution eliminates large air bubbles that interfere with the cleaning process and is necessary each time new solution is added to the tank.

**NOTE:** Be careful not to introduce unwanted gases into the liquid. Do not pump/pour the solution too quickly into the bath, insert/remove the product being cleaned into the bath too rapidly, or move product while in the bath. Doing so will re-introduce gas into the solution and require a longer degas cycle.

- PRESS THE DEGAS icon on  the main screen.
- Select the type of solution to log solution used or degas only and press  to degas.
- The BioSonic UC150 will begin to cycle on and off during the degassing process. The timer will count down from five minutes.
- DEGAS COMPLETE! Once the timer reaches zero, the words “Degas Complete” will be displayed. Your solution is now ready for use. Press  to return to the main screen.

\*see last page for figures

## 8. Operation Instructions

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### Mode Selection

- Four modes are available to choose from on the main screen - 3 Preset modes: ECO: for light load time; REGULAR: for medium load time; STRONG: for heavy load time and "MY" mode for customized operation. (*Figure 12\**)
- 'MY' mode:** For custom mode settings, select  from settings menu. Set the desired temperature and cleaning time. Ensure that HEATER function is ON if heating is desired. Press  to accept.
- Select mode by pressing appropriate icon for your particular load. Ensure that the lid is closed before and during operation. Press  to start cleaning cycle. Press  to pause. The BioSonic UC150 will continue to clean as the timer counts down the remaining time from the user-selected cleaning time.
- Once the timer reaches zero, "Program Successful" will be displayed on the screen until any button is pressed. Press  to return to the main screen or to abort the process.

**NOTE:** The cleaning cycle can be stopped at any time by pressing start or pause. Press  to return to the main screen.

- The BioSonic Ultrasonic cleaner should always be covered while operating to trap aerosols in the unit. The BioSonic UC150 is equipped with a hinged cover for easy one hand opening. The cover also conveniently lifts off for cleaning in spaces with low cabinets above the unit.
- Do not place additional instruments into a cleaning load mid-cycle. The additional instruments may not be cleaned as effectively as those in the original load. Additional instruments may also impact the cleaning efficacy of the original load by covering soiled instruments and increasing the mass of the load.

---

### Heater Operation

The BioSonic UC150 model is equipped with a heater to accelerate heating of the solution in the tank. Selecting a temperature instructs the heater to activate during the next cleaning cycle and remain active until the temperature is reached.

**NOTE:** The heater feature is not designed to *maintain* the selected temperature, but rather activate at the start of the next cleaning cycle and deactivate once the set temperature is reached. **Thermostatic control is not a feature of the Biosonic UC150.**

\*see last page for figures


**CAUTION!**

The heating function of the BioSonic UC150 (if enabled) takes place until the set temperature is reached only. If the set temperature is reached before the end of the cleaning cycle, the heater will shut off, but the cycle will continue. Through prolonged use, the natural cavitation process will continue to heat the solution beyond the desired temperature, but at a decreased rate without the heater. When this happens, the unit is still functioning properly.

### Activate the Heat Feature

In order to obtain the activation code, visit <http://biosonic.coltene.com> or email customer service at [info.us@coltene.com](mailto:info.us@coltene.com) or [info.ch@coltene.com](mailto:info.ch@coltene.com).

**NOTE:** The temperature in the tank is displayed in the top bar of the LCD screen. Pressing the  key to activate this feature will bring up a new screen on the display. The first time this feature is activated, the user must enter the activation code. Press  once the code is entered. The heating function will now be available for use.

### Set the Desired Temperature

- Press the  button. Set the temperature between 25°C (75°F) and 60°C (140°F).
- Select "HEATER ON" to activate heating function. Press  to accept the temperature.
- A  symbol will be displayed on the top of main screen if heater is selected ON. The heater will now function during the selected cleaning cycle.
- Select "HEATER OFF" if heating is not desired.
- A blinking  symbol on the main screen is displayed while the heating is in progress during a cleaning cycle. Current temperature information will always be displayed at the top of the LCD display.

**NOTE:** The heater will not turn on until a cleaning cycle has been initiated. It is, therefore, recommended that a pre-cycle (with heater activated) be performed when a specific temperature is desired. The cycle can be run without cleaning load and the length of the cycle would depend on the desired temperature.

**NOTE:** The user can change the temperature unit from C to F using the settings menu.

## 9. Cleaning Methods

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### In Tank

Basket Cleaning: Place parts to be cleaned into the basket or use cassettes. (*Figure 8\**) Then place the basket directly into the main tank containing BioSonic General Purpose, Germicidal, or Enzymatic Cleaner. Follow dosage instructions per cleaning solution label. After cleaning, rinse the basket and instruments thoroughly under running water.

### In Beaker

For specialized item cleaning (e.g. prostheses, burs): Place items into a beaker and add desired cleaning solution (e.g. BioSonic Cement Remover or BioSonic General Purpose) according to the product directions. Suspend the beaker in the tank by using the beaker holder and place the beaker positioning ring around the beaker so that the bottom 2/3rd is suspended in the main bath.

**NOTE:** Beaker holder is to be used in conjunction with the basket (*Figure 7\**). Use caution when removing basket if beakers are left in place.

## 10. Accessory Use

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- **CASSETTE BASKET:** The BioSonic UC150 basket cleans large volumes of instruments and increases instrument processing efficiency.

Place items in an instrument cassette or directly at the bottom of the basket. Place basket in tank and clean for desired time. After cleaning, rinse the basket and instruments thoroughly under running water.

- **BEAKER HOLDER:** The beaker holder holds a 600 ml glass beaker to clean small parts, burs, and prostheses.

Place the Beaker Holder on the basket and insert the basket into the tank. Place positioning rings around the beaker so that the bottom 2/3 of the beaker is suspended in the main bath. Clean for desired time.

## 11. Data Log

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- **VIEW LOG:** Select  from main menu (*Figure 12\**) to view cleaner data log.
- **DATA DOWNLOAD:** Insert a USB stick in the USB port provided on the left of the BioSonic UC150 device display. To download cleaner use data onto the USB device, press  key. Press  key to confirm data download. Monthly data log files will be available in .csv format on the USB file (*Figure 13\**).

\*see last page for figures

## 12. Maintenance

### Cleaning

All components should be cleaned each day by wiping with a soft cloth moistened with a commercially available mineral deposit remover followed by cleaning with isopropyl alcohol or a mild disinfectant. It is recommended to drain and dry the tank at the end of each work day.



#### CAUTION!

Do not use petroleum based solvents, iodophors or phenolic based products. Iodophors and phenolics can stain the surface of the unit. Clean up all liquid spills immediately. Rust deposits on tank can be cleaned/ removed with a commercially available stainless steel cleaner.

### Stainless Steel Cleaning

#### ✓ Allowable:

- Wash with a clean cloth or rag soaked with warm water and mild soap or liquid dish detergent.
- Always clean in the direction of the original polish lines.
- Always rinse well with clear water (2 or 3 times) after cleaning. Wipe dry completely.
- Specialized household stainless steel cleaner may also be used.

#### ✗ Avoid:

- Do not let dirt accumulate.
- Steel or stainless steel wool or scrapers to remove stubborn debris.
- Harsh or abrasive cleaners.
- Chemicals harmful to stainless steel not limited to but including products that contain chloride, fluoride, iodide or bromide.
- Cleaners that contain bleach.

*In case of questions regarding compatibility of decontamination or cleaning agents please contact the manufacturer or your supplier.*

### Inspecting the Power Cord Periodically

Check the power cord for damage and see that the connectors at both ends of the cord are fully seated.

### Changing the Fuse

- Remove the power cord from the wall outlet first and then from the power cord receptacle on the rear of the unit.

- The fuse compartment is located directly above to the power cord receptacle. To access, take a small, flat-headed screwdriver to the tabs on the fuse holder. Apply slight pressure to release the fuse holder (*Figure 9\**).
- Gently remove the fuses from the fuse holder.
- Examine the fuses (*Figure 10\**). If blown, replace with a fuse that matches the unit's voltage and current. If fuse appears to be in good condition, return the unit to your dealer or Coltène/Whaledent. This is an indication that the unit is defective.
- Plug the power cord into the power cord receptacle on the rear of the unit. Then plug the power cord into the wall receptacle.

**NOTE:** The fuse is a protection device designed to limit the amount of current being drawn or supplied to the unit. If a fuse is blown, this can mean that there was a surge of current to the unit due to an external power surge such as lightning, or more likely due to an internal component failure of the cleaner.

## Firmware Update Process

### Checking the Firmware Version

- Press the “Setup” icon from the main menu, bottom left icon on the display
- Press the “Information” icon from the setup menu, far right icon on the display
- The unit serial number and firmware version will be displayed
- Press the “Check Mark” icon then the “Home” icon to return to the main menu

### Firmware Update Process

- Place the most current firmware update folder “coltene-update” on a blank USB stick
- With the BioSonic UC150 displaying the main menu, place the USB stick in the display’s USB port
- Wait a minute and the software update screen will appear on the display noting the current firmware version on the BioSonic UC150 and the current version on the USB stick
- Press the “Update” icon to start the software update process
- Do not touch the unit or the USB stick during the update process until the unit reboots and the main menu is displayed
- The firmware update process is complete and the USB stick can be removed

\*see last page for figures

## 13. Troubleshooting

**NOTE: Consult your dealer or Coltène/Whaledent for service if needed.**

### Error Codes

- The BioSonic UC150 is designed to interrupt a cleaning cycle and display an error code if a problem is detected. The table below lists the BioSonic UC150 error messages and the recommended user actions if encountered.

**NOTE:** The below table is provided as a reference to help users further understanding the BioSonic UC150's error code.

**Customer Error Code Table**

| Error | Error Name             | Description   | Recommended User Action   |
|-------|------------------------|---|---|
| 00    | No Error               | Cycle completed   | Displayed in the user log file  |
| 01    | Aborted by user        | Cycle was aborted by the user   | This error is displayed in the user log file only to note that the cleaning cycle was not completed. The unit can continue to be used normally.   |
| 02    | Power interrupted      | Power to (or within) the unit was interrupted                                     | If power was interrupted by external means (power outage, unit was unplugged, display was removed) press the "OK" icon on the display screen to go to the main menu and resume the next cleaning cycle.   |
| 03    | Liquid                 | Liquid level is too low   | Verify that the solution level in the tank is filled between the minimum and maximum fill lines stamped on the inside back of the tank. If solution level is withing the fill lines, contact customer service.  |
| 04    | File missing           | Firmware files are missing  | Contact customer service for firmware update.   |
| 05-09 | N/A                    | N/A   | N/A   |
| 10    | Over temperature Board | Temperature on power PCB assembly above 60° C/140° F                              | Ensure room temperature and humidity are within the recommended operational environmental conditions and there is at least 2 inches of clearance on all sides of the unit for adequate ventilation. If problem persists, contact customer service.                    |
| 11    | Over temperature Board | Hardware has shutdown due to temperature on power PCB assembly above 65° C/150° F | Ensure room temperature and humidity are within the recommended operational environmental conditions and there is at least 2 inches of clearance on all sides of the unit for adequate ventilation. If problem persists, contact customer service.                    |
| 12    | Over temperature Tank  | Tank solution temperature is too high   | If the unit has been operated for extended periods of time (e.g. multiple hours without intermission) the bath temperature may rise beyond an acceptable level. Either change the solution or wait for it to cool. If the problem persists, contact customer service. |

| Error   | Error Name                      | Description   | Recommended User Action   |
|---------|---------------------------------|---|---|
| 13      | Over temperature Tank           | Tank solution temperature is too high               | If the unit has been operated for extended periods of time (e.g. multiple hours without intermission) the bath temperature may rise beyond an acceptable level. Either change the solution or wait for it to cool. If the problem persists, contact customer service. |
| 14      | Tank temperature rising         | Solution bath temperature is increasing too quickly | Ensure that the tank is filled with solution to within the fill lines. If problem persists, contact customer service.   |
| 15      | Tank temperature rising         | Solution bath temperature is increasing too slowly  | Ensure that the tank is filled with solution to within the fill lines. If problem persists, contact customer service.   |
| 20      | Overcurrent                     | Abnormal current level                              | Contact customer service.   |
| 21      | Overcurrent                     | Abnormal current level                              | Contact customer service.   |
| 22      | Overvoltage                     | Abnormal voltage level                              | Contact customer service.   |
| 23      | Overvoltage                     | Abnormal voltage level                              | Contact customer service.   |
| 24      | Power deviation                 | Power output is lower than expected                 | Verify that the input voltage to the unit is within the specifications noted in the instructions for use. Deviations in supply voltage may trigger this error. If the problem persists, contact customer service.   |
| 25      | Power deviation                 | Power output is lower than expected                 | Verify that the input voltage to the unit is within the specifications noted in the instructions for use. Deviations in supply voltage may trigger this error. If the problem persists, contact customer service.   |
| 26      | Power deviation                 | Power output is higher than expected                | Verify that the input voltage to the unit is within the specifications noted in the instructions for use. Deviations in supply voltage may trigger this error. If the problem persists, contact customer service.   |
| 27      | Power deviation                 | Power output is higher than expected                | Verify that the input voltage to the unit is within the specifications noted in the instructions for use. Deviations in supply voltage may trigger this error. If the problem persists, contact customer service.   |
| 28 - 39 | N/A                             | N/A   | N/A   |
| 40      | Piezo no connection             | Unexpected error with the piezo driver              | Contact customer service.   |
| 41      | Only one piezo connected        | Unexpected error with the piezo driver              | Contact customer service.   |
| 42      | Piezo short-circuit             | Unexpected error with the piezo driver              | Contact customer service.   |
| 43      | Piezo no power                  | Unexpected error with the piezo driver              | Contact customer service.   |
| 44      | Main switch failure             | Main relay switch error                             | Unplug the unit and contact customer service. Do no attempt to reactivate the unit.   |
| 45      | Tank Temperature Sensor failure | Temperature sensor not responding                   | Contact customer service.   |
| 46      | Voltage Measure failure         | Unexpected drive signal measurement                 | Contact customer service.   |
| 47      | Current Measure failure         | Unexpected drive signal measurement                 | Contact customer service.   |
| 48      | Phase Measure failure           | Unexpected drive signal measurement                 | Contact customer service.   |
| 49      | N/A                             | N/A   | N/A   |
| 50-69   | Cable connection error          | Internal cable failure                              | Contact customer service.   |

- **Unit is dead and the LCD screen on the unit doesn't light up**

Check the outlet that the unit power cord is plugged into by plugging a lamp (or similar device) into the outlet to verify that the GFIC outlet or circuit breaker is active and didn't trip. If tripped, verify that the current requirements are not exceeded by any devices plugged into the outlet or total circuit. If the outlet is working, remove the power cord from the IEC connector of the unit to gain access to the unit fuse holder. Follow the instruction for changing the fuse in the maintenance section of this manual.

## **Frequently Asked Questions (FAQ)**

### **1. "How do I test my unit to verify that it's working?"**

In order to verify the performance of your BioSonic UC150, follow the instructions on the BioSonic UC150 Ultrasonic Cleaner Performance Test flyer. A copy of the procedure is included with each device and is also available at [www.coltene.com](http://www.coltene.com).

#### **NOTE:**

- In some areas where the water quality is considered "hard," distilled water may be required.
- To adequately test an ultrasonic cleaner's ability to cavitate, solution must be present in the tank prior to verifying performance.
- Various solutions may inhibit the functioning of a unit (powder or tablet). It may therefore be necessary to dissolve the powder/liquid solutions in warm water prior to being added to the tank or use warm water in the tank and then perform the performance test.

### **2. "How long should I clean my instruments?"**

Listed below are several parameters to consider when determining the duration of any cleaning cycle. Adjustments to one or more of these parameters may be needed to achieve the desired level of cleaning.

**NOTE:** Always consult the manufacturer or suppliers instructions for use before cleaning a device.

The below guidance cannot be used to replace the cleaning instructions provided by the manufacturer of the instruments; they are provided to help users get the most out of each cleaning cycle. If soil is still visible after the completion of a cleaning cycle, modification to one or more parameters may be required, and then additional cleaning cycles may be required until all soil is, at a minimum, visibly removed.

- Size of the load being cleaned

The more instruments placed into an ultrasonic bath, the less effective the cleaning cycle will be. It is not recommended to place instruments in the basket so that they overlap, as open surface areas will be easier to clean. Filling a basket with clear space between instruments should lead to a more effective cleaning cycle.

- Amount and type of soil to be removed

Some contaminants have a stronger bond to the items being cleaned and may need a longer cleaning cycle. Also, the amount of soil on items being cleaned has an effect on the time required to complete a cleaning cycle.

- Type of cleaning solution used

Not all kinds of cleaning solutions are the same in regards to cleaning effectiveness. Some cleaning solutions work well on some contaminants, but not as well on other contaminants.

- Type of water

Not all water is the same and may vary in level of contaminants and hardness which can affect the level of cavitation in the solution. This can increase or decrease the time of a cleaning cycle.

- Solution temperature

The temperature of the solution can have an impact on the effectiveness of the cleaning cycle. The formation of cavitation events increases with temperature and the corresponding reduction in the fluid surface tension. Also, some solutions are more effective at a higher temperature, while others are more effective at a lower temperature. Consult the instructions of the solution for any requirements or recommendations from the manufacturer.

- Amount of soil in the solution

Repeated use of the same solution bath will lead to decreased performance as the bath becomes saturated with soil. Continue reading below for guidance on frequency of solution change.

- How long instruments have been soiled prior to cleaning

Soil should not be allowed to dry on instruments prior to cleaning; they should be processed immediately following a procedure. If they cannot be cleaned immediately following a procedure, it is recommended they be placed in a soaking solution so the soil does not harden on the instruments, which would increase the time of the cleaning cycle. The BioSonic ST16 Dental Soaking Tray is an example of a device designed for this purpose.

### **3. "How often should I change the solution bath?"**

How often the solution bath is changed depends on the solution used, frequency of use, and size of cleaning loads. It is recommended to change your solution every 8 hours at a minimum, or whenever the solution becomes visibly soiled or dirty.

### **4. "I've activated the heater option, but the temperature doesn't remain stable. Why doesn't the temperature remain at a set point?"**

Please refer to the section of the manual that describes the heater operation in detail. The BioSonic UC150 heater option only provides additional energy to the solution to increase the temperature more quickly than with cavitation alone. It is not designed to maintain a set temperature or cool the solution to a lower temperature.

### **5. "I've activated the heater option, but the solution isn't heating."**

Please refer to the section of the manual that describes the heater operation in detail. The BioSonic UC150 heater is only activated when the heater is turned on through the temperature menu and a cleaning cycle has been activated. The heater will not turn on during a degas cycle or when the unit is idle.

### **6. "Why is there a high pitch sound coming from the Ultrasonic Cleaner?"**

When a unit is initially filled up with a fresh solution mix there are lots of bubbles in the solution. If the unit is turned on right after fresh solution is added to the tank, it may make a screeching sound. Additionally, when placing a basket with instruments into the solutions, air is introduced and dissolves in the solution, which may create a screeching sound. The noise is present in all BioSonic cleaners, but is a normal occurrence and is not an indication of any issues with your device, simply that degas may be required.

To degas, please refer to the section of this manual that describes degassing in detail.

### **7. "What is degassing and why do I need to do this?"**

Before cavitation can become effective in an ultrasonic cleaner the gas trapped in the liquid must be removed. If it is not removed, the cavitation bubbles will fill with this gas, cushioning the implosion force. To degas, refer to the section of this manual that describes degassing in detail.

### **8. "What solution should I be using?"**

The purpose of the solution is to break the bonds between the instruments and the soil. Water alone has no cleaning properties and has high surface tension, which inhibits the cavitation bubbles from developing. Adding cleaning solution reduces fluid surface tension and contains ingredients designed to optimize the ultrasonic cleaning process.

Liquid solution allows for instantaneous solution preparation where tablets and powder solutions must be fully dissolved prior to beginning the cleaning process. It is recommended that

tablets and dry solutions be dissolved in hot water prior to placing them in the tank to prevent them from settling on the bottom of the tank until the ultrasonic action dissolves them.

The BioSonic system offers a full line of cleaning solutions which offer the flexibility to efficiently clean and disinfect instruments, prostheses, and other items. It is recommended that BioSonic solutions be used with your BioSonic cleaner for consistent and effective performance.

Visit [www.coltene.com](http://www.coltene.com) or the order information details section of this manual for more information about BioSonic solutions.

## **9. "What can be cleaned using my Ultrasonic Cleaner?"**

Ultrasonic cleaning is effective for most instruments such as:

- Dental burs which are reprocessable
- NiTi endodontic files
- Jointed instruments, e.g. scissors
- Stainless steel syringes
- Serrated instruments
- Plastics, cemented glass syringes, mirrors etc. may not be successfully processed using ultrasonics.

**NOTE:** Always consult the manufacturer's instructions regarding the cleaning of instruments/devices to ensure suitability for ultrasonic cleaning!

## **Service**

When calling customer service please have the following information available:

- Office name and phone number
- Contact person in case the service department needs to talk to the end user of the equipment
- Contact email
- Doctor's name
- Model number of the unit
- Serial number of the unit
- Dealer's name
- Detail description of the problem including any error codes displayed
- Photos and short videos of the unit problem are very helpful
- Copy of your purchase invoice for warranty validation
- Solution type (liquid, dry, or tablet) and the brand name
- Any cassettes that are being used, and if so, the cleaning cycle time

Customer service may require the end user to troubleshoot the unit during the call to determine if the issue requires a service technician. Please be prepared and ready to access the unit.

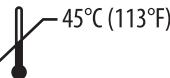
If service is required, a Coltene Customer Service Representative will issue the customer a complaint number and return shipping instructions.

For service, contact your dealer or Coltene customer service.

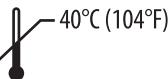
## 14. Technical Details

### Environmental Conditions:

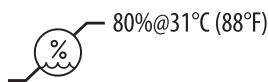
- Intended for indoor use.
- Maximum altitude 2000 m.
- Recommended Storage and transport temperature: 0°C (32°F)



- Temperature during operation: 5°C (41°F)



- Relative humidity: 50%@40°C (104°F)



- Main supply voltage fluctuations not to exceed  $\pm 10\%$  of the nominal voltage.
- IEC-60664-1 Pollution degree 2.

### Electrical Information:

- Power Supply Input: 100 V – 240 V AC / 50 ~ 60 Hz
- Transducers: 2
- Operating Frequency: 48 kHz - 50.5 kHz
- Fuse Specifications: 2 Fuses FST, 5 x 20 mm, Slow Blow, 250 VAC, 5A, IEC 60127-2 Sheet 3

#### Max Power @ Input Voltage

| Input Voltage | Max Power without Heater* | Max Power with Heater* | Max Current |
|---------------|---------------------------|------------------------|-------------|
| 100 V         | 160 W                     | 425 W                  | 4.3 A       |
| 115 V         | 160 W                     | 510 W                  | 4.4 A       |
| 230 V         | 160 W                     | 510 W                  | 2.2 A       |
| 240 V         | 160 W                     | 540 W                  | 2.3 A       |

\*average over a sweep period

- EMC Class A: Suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network which supplies buildings used for domestic purposes.
- Class I electrical equipment per IEC 61140.

- Transient over voltages category II per IEC 61010.

#### **Mechanical information:**

|                                 |   |
|---------------------------------|---|
| <b>Tank Capacity</b>            | 6.6 L (1.75 US gal)   |
| <b>Use Capacity</b>             | 5.7 L (1.5 US gal)  |
| <b>Overall Dimensions</b>       | L × B × H = 34.5 × 27.6 × 35.5 cm (13.6" × 10.8" × 14")<br>(w/ display) |
| <b>Tank Dimensions</b>          | 28.7 × 16.0 × 17.8 cm (11.3" × 6.3" × 7")                               |
| <b>Above countertop surface</b> | 34.5 × 27.6 × 17.2 cm (13.6" × 10.8" × 6.8")                            |
| <b>Below countertop surface</b> | 32.9 × 26 × 18.3 cm (13" × 10.2" × 7.2")                                |



## **15. Disposal Considerations**

The BioSonic UC150 is an electric appliance requiring proper disposal according to local laws and regulations.

*This appliance is labeled in accordance with European directive 2012/19/EU concerning used electrical and electronic appliances (waste electrical and electronic equipment - WEEE). This guideline determines the framework for the return and recycling of used appliances as applicable throughout the EU. The symbol on the product or on the documents accompanying the product indicates that this appliance may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.*

## **16. Warranty information**

The BioSonic UC150 has been developed specifically for use in dentistry and intended to be operated only by dental professionals in accordance with the instructions contained in this guide. However, notwithstanding anything contained herein, the user shall at all times be solely responsible for determining the suitability of the product for the intended purpose and the method of its use. Any guidance on application technology offered by or on behalf of the manufacturer or distributor, whether written, verbal or by demonstration, shall not relieve the dental professional of his/ her obligation to control the product and to make all professional judgments regarding its use.

This product has been carefully manufactured and has met stringent quality assurance requirements. Our products are manufactured from new parts or new and serviceable used parts. Regardless, our warranty terms apply. If, in normal use, it is found defective in material or workmanship within a period of two years from date of purchase, it will be repaired at Coltène/

Whaledent's option, or replaced. Tampering with any of the components, misuse, negligence, alteration, water damage, accident or lack of reasonable or proper maintenance and care will void this warranty. Failure to use and/or maintain the product in accordance with the instructions contained in this manual will void this warranty.

**THE FOREGOING IS IN LIEU OF ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES OR MERCHANTABILITY OR FITNESS FOR USE.**

**COLTÈNE/WHALEDENT AG ASSUMES NO RESPONSIBILITY FOR ANY INCONVENIENCE, LOSS, INJURY OR DIRECT, INDIRECT OR CONSEQUENTIAL DAMAGE ARISING FROM THE POSSESSION OR USE OF THIS PRODUCT.**

Any claim for damage or breakage in transit should be made at once against the carrier. If factory service is required, be certain to properly pack your equipment and return prepaid and insured to the factory.

#### **CERTIFICATE OF LIMITED WARRANTY**

Coltène/Whaledent (C/W) warrants this product to be free from defects in workmanship and materials for a period of twenty-four (24) months from the date of original purchase. During such warranty period, C/W undertakes to repair or replace this product, at its option, if such product does not function properly under normal use and service, which malfunction is due solely to a defect in workmanship or material.

This warranty does not cover any of the following:

- Damage caused by accident, abuse, misuse, neglect, alteration, transit, failure to follow manufacturer's instructions, lack of reasonable and proper maintenance and care, or Acts of God.
- Normal wear and tear (i.e.: bulbs, fuses, etc.).
- Minor imperfections that do not materially affect the product's performance.
- Use of the product by anyone other than a licensed dental practitioner or qualified dental hygienist.

This warranty shall become null and void if any repair or servicing of the product is made or attempted by any person not authorized by C/W, or if any part not authorized by C/W is used in any repair or servicing.

**This warranty is in lieu of any and all other warranties relating to the product, expressed or implied, including, without limitation, implied warranties of merchantability and fitness for a particular purpose. In no event shall C/W be liable for direct, indirect, tort, exemplary, punitive, special, incidental, or consequential damages arising from the possession or use of the product, including but not limited to loss of use of the product, lost revenues or**

**profits, or the cost of substitute equipment. The limitations provided for herein shall inure to the benefit of C/W's suppliers and subcontractors.**

This Certificate of Limited Warranty is valid only if it has been completed with date of purchase and dealer's name.

If this product becomes defective during the warranty period, it must be delivered together with this Certificate of Limited Warranty and a written warranty claim to the C/W dealer from which it was originally purchased. All warranty claims must include a detailed written description of the claimed defect. The purchaser will be responsible for all costs and risks of transit, and we therefore suggest that the product be carefully packed and that it be shipped to the dealer insured for its full value.

Register your product warranty by either option 1 or 2:

**#1. Please return the following information to**

Coltène/Whaledent AG, Feldwiesenstrasse 20, 9450 Altstätten / Switzerland

Name and address of purchaser:

Distributor's name and address:

Phone:

Email:

Model Number:

Date of purchase:

Serial number:

**#2. Register your product warranty at: <http://warranty.coltene.com>**

## 17. Order Information Details

|                      | REF No*  | Description   | Quantity      |
|----------------------|----------|---|---------------|
| UC150 Units          | 60021987 | UC150 Cleaner Unit USA Plug Type A  | 1             |
|                      | 60021988 | UC150 Cleaner Unit Euro Plug Type F   | 1             |
|                      | 60021989 | UC150 Cleaner Unit UK Plug Type G   | 1             |
|                      | 60021990 | UC150 Cleaner Unit AUS Plug Type I  | 1             |
| Accessory kit        | 60022042 | Basket, Beakers (2), Covers(2), Positioning rings(2), Beaker holders(2)       | 1             |
| Accessories          | 60022040 | Cassette Basket<br>(26.8 × 15.8 × 11.5 cm 10.4 × 6.2 × 4.4")                  | 1             |
|                      | 60022041 | Beaker Holder   | 1             |
|                      | UC53     | 600 ml Beaker with Cover and Positioning Ring                                 | 1             |
|                      | 60022043 | UC150 Replacement Drain Filters   | 3             |
|                      | 60022044 | UC150 Replacement Drain Hose  | 1             |
|                      | 60022045 | UC150 Replacement Lid   | 1             |
|                      | 60022046 | UC150 Gasket for sealing  | 1             |
| Ultrasonic Solutions | UC30     | General Purpose Cleaning Solution Concentrate in MeterDose® Dispensing Bottle | 473 ml/16oz   |
|                      | UC31     | BioSonic General Purpose Cleaner plus Super Rust Inhibitor                    | 15 ml × 20    |
|                      | UC32     | Enzymatic Ultrasonic Cleaner Concentrate in MeterDose Dispensing Bottle       | 236 ml/8oz    |
|                      | UC34     | Plaster & Stone Remover Powder Concentrate in Jar                             | 840g/1.85 lbs |
|                      | UC38     | Germicidal Ultrasonic Cleaning Concentrate in MeterDose Dispensing Bottle     | 236 ml/8oz    |
|                      | UC39     | Cement Remover Concentrate in MeterDose Dispensing Bottle                     | 473 ml/16oz   |
|                      | UC42     | Germicidal Ultrasonic Cleaning Concentrate in MeterDose Dispensing Bottle     | 473 ml/16oz   |
|                      | 60021960 | UC40 Universal Ultrasonic Cleaner Concentrate, 1L dosed bottle*               | 1L            |
|                      | 60021961 | UC40 Universal Ultrasonic Cleaner Concentrate, 5L Refill can*                 | 5L            |

\*Available in Europe only

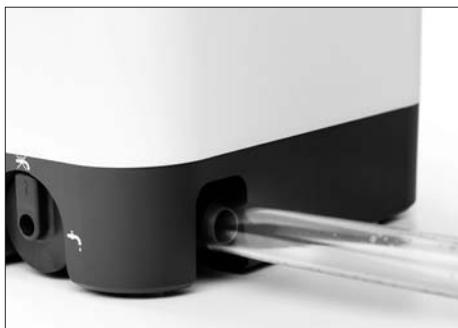


Figure 4



Figure 5



Figure 6



Figure 7



Figure 8



Figure 9



Figure 10



Figure 11

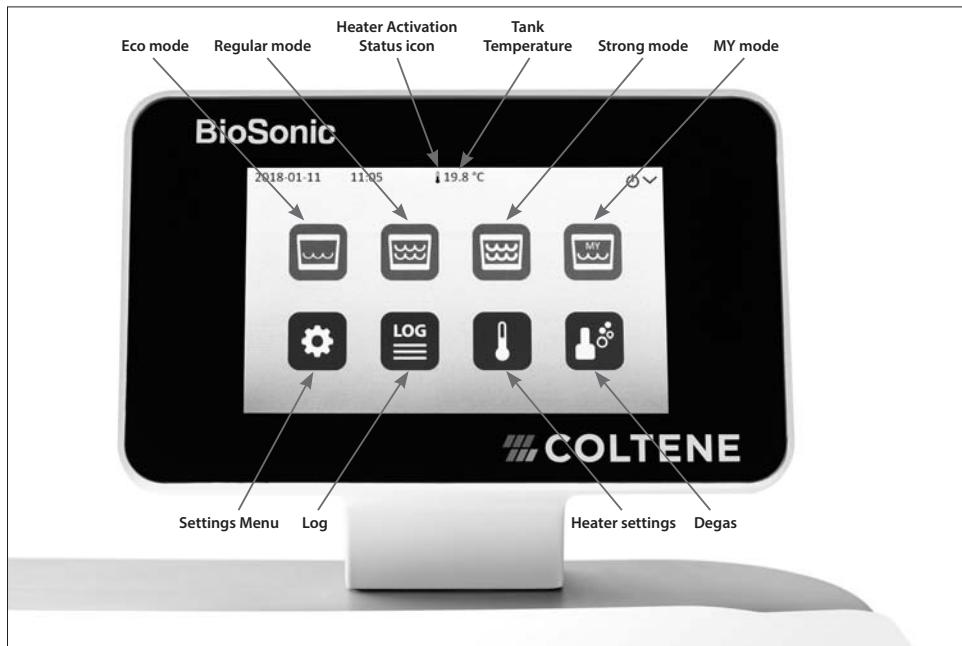


Figure 12

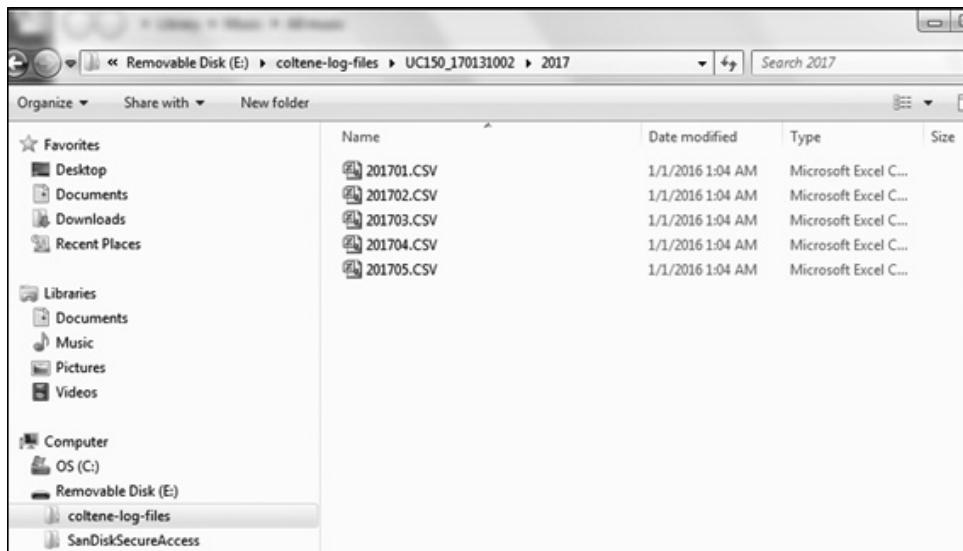


Figure 13

# BioSonic® UC150

## Ultrasonic Cleaner

**Coltène/Whaledent AG**   
Feldwiesenstrasse 20  
9450 Altstätten / Switzerland  
T +41 71 757 5300  
F +41 71 757 5301  
info.ch@coltene.com

**US/CA Representative**

**Coltène/Whaledent Inc.**  
235 Ascot Parkway  
Cuyahoga Falls, Ohio 44223 / USA  
T +1 330 916 8800  
F +1 330 916 7077  
info.us@coltene.com

[www.coltene.com](http://www.coltene.com)  
Made in USA

CE

300044475A

 **COLTENE**

**WARING**  
COMMERCIAL



**WC0500X: 3 baking racks  
and 1 half-size  
sheet pan included**



**WC0250X: 2 baking racks  
and 1 quarter-size  
sheet pan included**

# QUARTER-SIZE & HALF-SIZE HEAVY-DUTY CONVECTION OVENS

- Convection bake, roast, bake and broil functions
- Double-pane, tempered glass door
- Advanced airflow design
- Heavy-duty brushed stainless steel construction
- Heat settings from 150°F – 500°F
- WC0250X: Handles up to 3 quarter-size sheet pans (not included)  
2 baking racks and 1 quarter-size sheet pan included
- WC0500X: Handles up to 4 half-size sheet pans (not included)  
3 baking racks and 1 half-size sheet pan included
- 1700 watts
- Limited One Year Motor Warranty



**WC0500X**



**WCO Series**



# QUARTER-SIZE & HALF-SIZE HEAVY-DUTY CONVECTION OVENS



**WCO250X/WCO250XC**



**WCO500X/WCO500XC**

| ITEM     | ELECTRICAL             | LISTINGS   | OUT OF BOX WEIGHT | OUT OF BOX DIMENSIONS (L x W x H) | CORD LENGTH | WARRANTY       |
|----------|------------------------|------------|-------------------|-----------------------------------|-------------|----------------|
| WCO250X  | 120V, 1700W, 14A, 60Hz | UL, NSF    | 41.8              | 21" x 19" x 12"                   | 39"         | Limited 1 Year |
| WCO250XC | 120V, 1700W, 14A, 60Hz | cULus, NSF | 41.8              | 21" x 19" x 12"                   | 39"         | Limited 1 Year |
| WCO500X  | 120V, 1700W, 14A, 60Hz | UL, NSF    | 55.2              | 23" x 23" x 15"                   | 39"         | Limited 1 Year |
| WCO500XC | 120V, 1700W, 14A, 60Hz | cULus, NSF | 55.2              | 23" x 23" x 15"                   | 39"         | Limited 1 Year |

| ORDERING INFO INFORMATION | #STD. PKG. | GIFTBOX WEIGHT | CUBIC FEET | BOX DIMENSIONS (L x W x H) | UPC          | CASE PKG. | MC WEIGHT | MC DIMENSIONS (L x W x H) | MBC            |
|---------------------------|------------|----------------|------------|----------------------------|--------------|-----------|-----------|---------------------------|----------------|
| WCO250X                   | 1          | 33.2           | 2.98       | 22.12" x 23.12" x 17.12"   | 040072022432 | 1         | 33.2      | 23.75" x 23.75" x 17.5"   | 10040072022439 |
| WCO250XC                  | 1          | 33.2           | 2.98       | 22.12" x 23.12" x 17.12"   | 040072025617 | 1         | 33.2      | 23.75" x 23.75" x 17.5    | 10040072025614 |
| WCO500X                   | 1          | 58             | 7.1        | 23.25" x 26.87" x 16.87"   | 040072022449 | 1         | 53.0      | 26.75" x 24.50" x 20"     | 10040072022446 |
| WCO500XC                  | 1          | 58             | 7.1        | 23.25" x 26.87" x 16.87"   | 040072025600 | 1         | 53.0      | 26.75" x 24.50" x 20"     | 10040072025607 |

| PARTS & ACCESSORIES                       | ITEM #   | UPC          |
|---|----------|--------------|
| Quarter-Size Nickel-Plated Baking Rack    | WCO250RK | 040072011313 |
| Quarter-Size Stainless Steel Baking Sheet | WCO250TR | 040072011306 |
| Half-Size Nickel-Plated Baking Rack       | WCO500RK | 040072011337 |
| Half-Size Stainless Steel Baking Sheet    | WCO500TR | 040072011320 |



*OptiVac®*  
**AC/DC Portable Suction Unit**  
*The Quality of Gomco® Where You Need It Most.*



The OptiVac is the most versatile product in the industry-leading Gomco line of portable suction equipment. Its compact design, ease of operation, rechargeable battery, AC power supply, and fully-enclosed unit are just a few of its unique features.

**Standard Features**

- 3 hours run time at maximum vacuum on a fully-charged battery
- 1 hour run time after just 2 hours of charging
- AC or DC operation ... ready when you are, 24/7
- 25-550 mm Hg vacuum range, coupled with greater than 30 lpm flow at open flow, provides powerful suction for faster aspiration
- Fully chargeable in 8 hours
- Will run at full performance on AC power even with a depleted battery
- Battery maintenance system keeps the battery fully charged but not over-charged
- Long-life internal rechargeable battery eliminates the need for frequent replacement
- Sealed water-resistant unit is easy to clean, and minimizes potential contamination or damage to the compressor and battery.
- Angled control panel for easy viewing
- Impact-resistant and durable
- 3-year warranty on the unit, 1 year on the battery

# OptiVac® AC/DC Portable Suction Unit



Tubing can be cut to desired length and attached to disposable hydrophobic bacteria filter.



L190-BAG



20-08-0003

01-90-3928

## SPECIFICATIONS

|   |  |
|---|--|
| <b>Dimensions:</b>                      | 16.8" W x 7.5" D x 9.4" H<br>(427 mm x 191 mm x 239 mm)    |
| <b>Weight:</b>                          | 11.4 lbs. (5.18 kg)  |
| <b>Vacuum Range:</b>                    | -25 to -550 mm Hg  |
| <b>Vacuum Flow:</b>                     | Greater than 30 lpm at open flow                           |
| <b>AC Operation:</b>                    | 110-230 volts, 50/60 Hz                                    |
| <b>DC Operation:</b>                    | 12 volt DC battery   |
| <b>Battery Type:</b>                    | Sealed lead acid   |
| <b>Battery Life at Maximum Vacuum:</b>  | 3 hours at 550 mm Hg                                       |
| <b>Battery Charge Time:</b>             | Full charge in 8 hours                                     |
| <b>Battery Charge Status:</b>           | Yes; 5 indicator lights                                    |
| <b>Bad Battery Sensor:</b>              | Yes; 5 red LEDs  |
| <b>Battery Depleted:</b>                | Unit automatically shuts off                               |
| <b>AC Charger:</b>                      | Internal charger   |
| <b>Operation with Depleted Battery:</b> | Yes; charging circuit can run on AC if battery is depleted |
| <b>Operating Temperature:</b>           | -4°F to 120°F  |
| <b>Sound Level:</b>                     | Less than 60 dBA   |
| <b>UL/ETL Listed:</b>                   | Yes  |
| <b>Warranty:</b>                        | 3 years on unit, 1 year on battery                         |
| <b>Regulatory Approvals:</b>            | FDA, CE, HC  |

## ORDERING INFORMATION\*

|                   |  |
|-------------------|--|
| <b>G180</b>       | OptiVac Portable Suction Unit, 1500 ml disposable canister, 110-230V/50-60 Hz  |
| <b>G180CE</b>     | OptiVac Portable Suction Unit, 1500 ml disposable canister, 110-230V/50-60 Hz  |
| <b>G180CE-JAR</b> | OptiVac Portable Suction Unit, 1200 ml polycarbonate bottle, 110-230V/50-60 Hz |
| <b>G180-JAR</b>   | OptiVac Portable Suction Unit, 1200 ml polycarbonate bottle, 110-230V/50-60 Hz |

\*All models come with disposable suction tubing and 3 disposable hydrophobic bacteria filters

## ACCESSORIES

|                   |  |
|-------------------|--|
| <b>20-08-0003</b> | Disposable Collection Canister, 1500 ml, stem inlet (48/case)                    |
| <b>20-08-0016</b> | Disposable Collection Canister, 1500 ml, stem inlet (16/case)                    |
| <b>01-90-3928</b> | Disposable Hydrophobic Bacteria Filter, 1/4" hose barb x 1/4" hose barb (3/pkg.) |
| <b>S610100</b>    | Suction Tubing Kit: 1 each 15" & 72" length, 1/4" ID, blue-tipped, clear PVC     |
| <b>L190-BAG</b>   | Carrying Case with shoulder strap  |



S610100



G180CE  
G180CE-JAR



EMERGO EUROPE  
Molenstraat 15  
2513 BH, The Hague  
The Netherlands



ISO 13485: 2003

Allied Healthcare Products, Inc. • 1720 Sublette Avenue • St. Louis, MO 63110 USA  
314/771-2400 • 800/444-3954 • FAX: 314/771-0650 • [www.alliedhpi.com](http://www.alliedhpi.com)

U.S.  
Toll Free: 800/444-3940  
FAX: 800/477-7701

Canada & Mexico  
Toll Free: 800/446-0552  
FAX: 800/246-6201

International  
Telephone: 314/268-1683  
FAX: 314/771-5183



## ETC Line, Four Drawer, Treatment Cart #ETC-4



NO. 813\_CART, TREATMENT

650 Ford Street

Colorado Springs, CO 80915

Toll:(800)433-4064 \* Ph: (719)637-0300

Fax:(719)597-8273 \* www.harloff.com

### Specifications

#### Construction:

- Sturdy, uni-body steel construction

#### Features:

- Low height make these carts ideal for bedside or under a counter
- Key lock with two keys
- 3" stem casters, two with brake
- Roller drawer slides
- Removable plastic top
- Latex free
- Twelve year warranty
- Hard-baked powder coat finish

#### Drawer Configuration:

- (1) – 2.75" (6.98 cm)
- (3) – 5.75" (14.6 cm)

#### Sixteen available color choices:

##### \*Antimicrobial Finish Available

Burgundy, Hammer Red, Red, Yellow, Beige, Sand, White, HammerTone Green, Teal, HammerTone Blue, Navy, Light Blue, HammerTone Gray, Light Gray, Mauve, Hammer Black

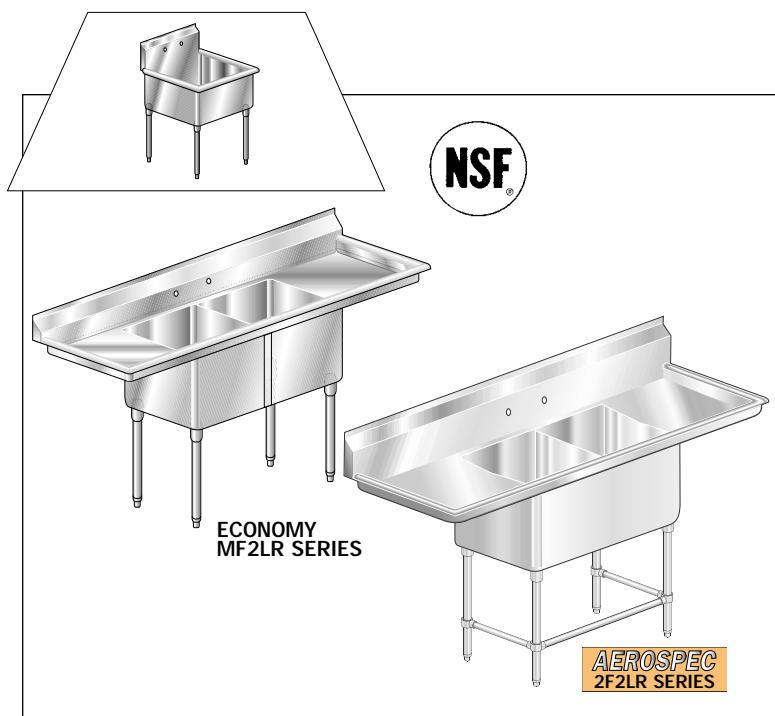
#### Assembled Cart Dimensions

- 27.25" H x 23.38" W x 15.13" D  
(69.2 cm H x 59.4 W x 38.4 D)
- Cart weight: 48 lbs (21.8 kg)
- Approx. Shipping Weight: 63 pounds (28.7 kg)



# NSF SINKS

## F2LR SERIES, Two Compartment with Two Drainboards



### MATERIAL

#### BODY

- MF -16 gauge 304 stainless steel bowl, 430 body.

- 3F -16 gauge 304 stainless steel.

- 2F -14 gauge 304 stainless steel. (AEROSPEC)

#### LEGS

- 1 1/8" O.D. 16 gauge 304 series stainless steel tubing, complete with 1" adjustable impact resistant white metal feet.

### DESIGN FEATURES

- All sinks are fully cartoned.
- Easily assembled.
- Drainboards pitched 1/4" for positive drainage.

### EXCLUSIVE AERO SAFETY EDGE

- Sink hemmed on the roll and backsplash to eliminate cuts from rough edges.

### CONSTRUCTION

- **Exclusive 14" bowl depth on all models (consultant's spec).**
- **Custom style fabricated bowl for true gauge integrity.**
- All sinks have a 1/8" radius at all intersecting planes (consultant's spec).
- 18 gauge stainless steel strip to cover seams between bowls.
- Stainless steel gusset is machine welded 360 deg. to a stainless steel triangular plate.
- Gusset plate is fully welded directly underneath the sink for support.
- Polished to a #4 blended finish.
- All sinks with drainboards 30" or longer equipped with 2 stainless steel 1 1/8" O.D. legs with stainless steel gussets and white metal feet.

### PLUMBING

- Water supply is 1/2" hot and cold.
- Faucet holes are 8" o.c. (Faucets not included. See accessories).

### AEROSPEC

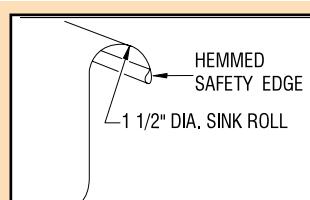
*Includes all of the above and the following:*

- Full 10" backsplash instead of standard 7".
- 18 gauge stainless steel enclosure surrounding all sink bowls.
- Stainless steel feet in lieu of white metal.
- Legs have stainless steel crossbracing with aluminum castings at all intersections.

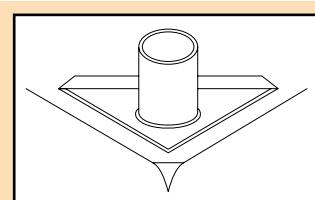
Item# \_\_\_\_\_ Project \_\_\_\_\_

| Quantity        | ECONOMY<br>MF2<br>Model # | DELUX<br>3F2<br>Model # | AEROSPEC<br>2F2<br>Model # |
|-----------------|---------------------------|-------------------------|----------------------------|
| <b>21" WIDE</b> |                           |                         |                            |
| —               | MF2-2116-18LR             | 3F2-2116-18LR           | 2F2-2116-18LR              |
| —               | MF2-2116-24LR             | 3F2-2116-24LR           | 2F2-2116-24LR              |
| —               | MF2-2116-30LR             | 3F2-2116-30LR           | 2F2-2116-30LR              |
| —               | MF2-2116-36LR             | 3F2-2116-36LR           | 2F2-2116-36LR              |
| <b>20" WIDE</b> |                           |                         |                            |
| —               | MF2-2020-20LR             | 3F2-2020-20LR           | 2F2-2020-20LR              |
| —               | MF2-2020-24LR             | 3F2-2020-24LR           | 2F2-2020-24LR              |
| —               | MF2-2020-30LR             | 3F2-2020-30LR           | 2F2-2020-30LR              |
| —               | MF2-2020-36LR             | 3F2-2020-36LR           | 2F2-2020-36LR              |
| <b>24" WIDE</b> |                           |                         |                            |
| —               | MF2-2418-18LR             | 3F2-2418-18LR           | 2F2-2418-18LR              |
| —               | MF2-2418-24LR             | 3F2-2418-24LR           | 2F2-2418-24LR              |
| —               | MF2-2418-30LR             | 3F2-2418-30LR           | 2F2-2418-30LR              |
| —               | MF2-2418-36LR             | 3F2-2418-36LR           | 2F2-2418-36LR              |
| <b>24" WIDE</b> |                           |                         |                            |
| —               | MF2-2424-18LR             | 3F2-2424-18LR           | 2F2-2424-18LR              |
| —               | MF2-2424-24LR             | 3F2-2424-24LR           | 2F2-2424-24LR              |
| ■               | MF2-2424-30LR             | 3F2-2424-30LR           | 2F2-2424-30LR              |
| —               | MF2-2424-36LR             | 3F2-2424-36LR           | 2F2-2424-36LR              |
| <b>30" WIDE</b> |                           |                         |                            |
| —               | MF2-3020-20LR             | 3F2-3020-20LR           | 2F2-3020-20LR              |
| —               | MF2-3020-24LR             | 3F2-3020-24LR           | 2F2-3020-24LR              |
| —               | MF2-3020-30LR             | 3F2-3020-30LR           | 2F2-3020-30LR              |
| —               | MF2-3020-36LR             | 3F2-3020-36LR           | 2F2-3020-36LR              |

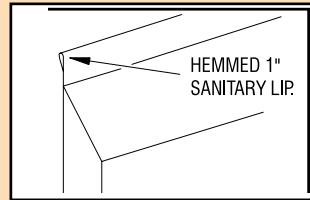
## CUSTOM SIZES AVAILABLE



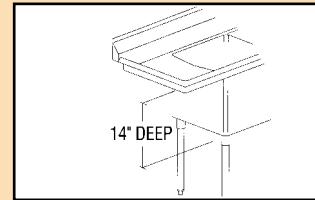
Exclusive  
Aero Safety Edge



Fully Welded  
Gusset Assembly



1" Sanitary Lip



14" Custom-Style  
Bowl

## CONSULTANT'S SPECS AT PRODUCTION PRICES

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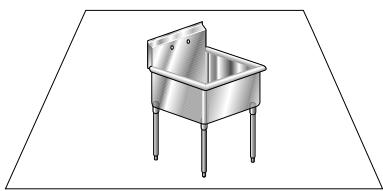
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Page F-11A

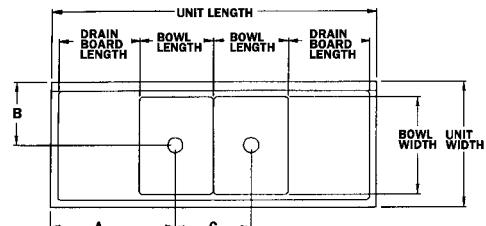


# DIMENSIONAL SPECIFICATIONS

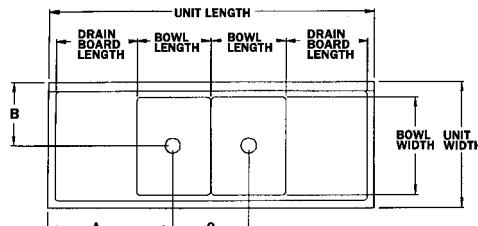
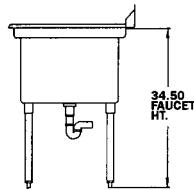
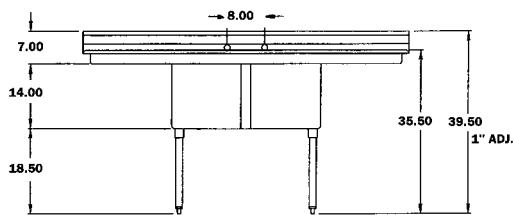
## F2LR SERIES, NSF Sinks, Two Compartment, Two Drainboards



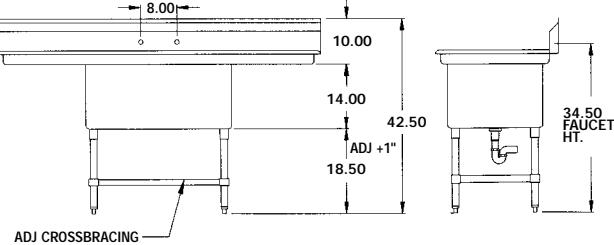
■ Supplied with stainless steel drain basket and strainer.



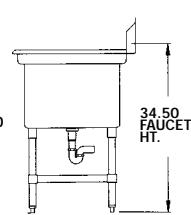
ECONOMY  
MF2LR SERIES



AEROSPEC  
2F2LR SERIES



ADJ CROSSBRACING



| BOWL Width | BOWL Length | UNIT Width | UNIT Length | DRAIN BOARD Length | A Drain | B Drain | C Drain | ECONOMY MF2 Model # | DELUX 3F2 Model # | AEROSPEC 2F2 Model # | Ship Weight | Cubic Feet | Sets, Faucet Holes |
|------------|-------------|------------|-------------|--------------------|---------|---------|---------|---------------------|-------------------|----------------------|-------------|------------|--------------------|
|------------|-------------|------------|-------------|--------------------|---------|---------|---------|---------------------|-------------------|----------------------|-------------|------------|--------------------|

### 21" WIDE

|    |    |    |     |    |      |       |    |               |               |               |     |    |     |
|----|----|----|-----|----|------|-------|----|---------------|---------------|---------------|-----|----|-----|
| 21 | 16 | 27 | 71  | 18 | 27.5 | 13.75 | 16 | MF2-2116-18LR | 3F2-2116-18LR | 2F2-2116-18LR | 130 | 23 | ONE |
| 21 | 16 | 27 | 83  | 24 | 33.5 | 13.75 | 16 | MF2-2116-24LR | 3F2-2116-24LR | 2F2-2116-24LR | 140 | 27 | ONE |
| 21 | 16 | 27 | 95  | 30 | 39.5 | 13.75 | 16 | MF2-2116-30LR | 3F2-2116-30LR | 2F2-2116-30LR | 150 | 31 | ONE |
| 21 | 16 | 27 | 107 | 36 | 45.5 | 13.75 | 16 | MF2-2116-36LR | 3F2-2116-36LR | 2F2-2116-36LR | 160 | 35 | ONE |

### 20" WIDE

|    |    |    |     |    |      |       |    |               |               |               |     |    |     |
|----|----|----|-----|----|------|-------|----|---------------|---------------|---------------|-----|----|-----|
| 20 | 20 | 26 | 83  | 20 | 31.5 | 13.25 | 20 | MF2-2020-20LR | 3F2-2020-20LR | 2F2-2020-20LR | 140 | 27 | ONE |
| 20 | 20 | 26 | 91  | 24 | 35.5 | 13.25 | 20 | MF2-2020-24LR | 3F2-2020-24LR | 2F2-2020-24LR | 150 | 33 | ONE |
| 20 | 20 | 26 | 103 | 30 | 41.5 | 13.25 | 20 | MF2-2020-30LR | 3F2-2020-30LR | 2F2-2020-30LR | 160 | 36 | ONE |
| 20 | 20 | 26 | 115 | 36 | 47.5 | 13.25 | 20 | MF2-2020-36LR | 3F2-2020-36LR | 2F2-2020-36LR | 170 | 40 | ONE |

### 24" WIDE

|    |    |    |     |    |      |       |    |               |               |               |     |    |     |
|----|----|----|-----|----|------|-------|----|---------------|---------------|---------------|-----|----|-----|
| 24 | 18 | 30 | 75  | 18 | 28.5 | 13.75 | 18 | MF2-2418-18LR | 3F2-2418-18LR | 2F2-2418-18LR | 135 | 25 | ONE |
| 24 | 18 | 30 | 87  | 24 | 34.5 | 13.75 | 18 | MF2-2418-24LR | 3F2-2418-24LR | 2F2-2418-24LR | 145 | 29 | ONE |
| 24 | 18 | 30 | 99  | 30 | 40.5 | 13.75 | 18 | MF2-2418-30LR | 3F2-2418-30LR | 2F2-2418-30LR | 155 | 32 | ONE |
| 24 | 18 | 30 | 111 | 36 | 46.5 | 13.75 | 18 | MF2-2418-36LR | 3F2-2418-36LR | 2F2-2418-36LR | 165 | 36 | ONE |

### 24" WIDE

|    |    |    |     |    |      |       |    |               |               |               |     |    |     |
|----|----|----|-----|----|------|-------|----|---------------|---------------|---------------|-----|----|-----|
| 24 | 24 | 30 | 87  | 18 | 31.5 | 15.25 | 24 | MF2-2424-18LR | 3F2-2424-18LR | 2F2-2424-18LR | 150 | 32 | ONE |
| 24 | 24 | 30 | 99  | 24 | 37.5 | 15.25 | 24 | MF2-2424-24LR | 3F2-2424-24LR | 2F2-2424-24LR | 165 | 36 | ONE |
| 24 | 24 | 30 | 111 | 30 | 43.5 | 15.25 | 24 | MF2-2424-30LR | 3F2-2424-30LR | 2F2-2424-30LR | 175 | 40 | ONE |
| 24 | 24 | 30 | 123 | 36 | 49.5 | 15.25 | 24 | MF2-2424-36LR | 3F2-2424-36LR | 2F2-2424-36LR | 185 | 45 | ONE |

### 30" WIDE

|    |    |    |     |    |      |       |    |               |               |               |     |    |     |
|----|----|----|-----|----|------|-------|----|---------------|---------------|---------------|-----|----|-----|
| 30 | 20 | 36 | 83  | 18 | 31.5 | 18.25 | 20 | MF2-3020-20LR | 3F2-3020-20LR | 2F2-3020-20LR | 160 | 35 | ONE |
| 30 | 20 | 36 | 91  | 24 | 35.5 | 18.25 | 20 | MF2-3020-24LR | 3F2-3020-24LR | 2F2-3020-24LR | 175 | 40 | ONE |
| 30 | 20 | 36 | 103 | 30 | 41.5 | 18.25 | 20 | MF2-3020-30LR | 3F2-3020-30LR | 2F2-3020-30LR | 185 | 45 | ONE |
| 30 | 20 | 36 | 115 | 36 | 47.5 | 18.25 | 20 | MF2-3020-36LR | 3F2-3020-36LR | 2F2-3020-36LR | 195 | 50 | ONE |

All dimensions are typical (tol.  $\pm \frac{1}{2}$ "). • For Accessories and Options see pages FS-7A, FS-7B.  
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## EQUIPMENT STANDS

## EG/ES SERIES



## MATERIAL

## TOP

- 14 gauge 304 stainless steel.
- 2" turn down on 1 side, 2" splash on 3 sides.
- Two heavy gauge steel box channels on 24" wide tables for rigidity.
- Three heavy gauge steel box channels on 30" wide tables for rigidity.
- Sound deadened between table top and channels.

## SHELF

- 18 gauge galvanized or 430 series stainless steel.

## LEGS

- 1 1/8" O.D. 16 gauge galvanized or 304 series stainless steel tubing, complete with 1" adjustable, impact resistant white metal feet.

## DESIGN FEATURES

- Undershelf is the largest in the industry.
- Undershelf is fully adjustable and flexible in design.
- All stands fully cartoned.
- Easily assembled.

## EXCLUSIVE AERO SAFETY EDGE

- Stand and undershelf hemmed to eliminate cuts from rough edges.

## CONSTRUCTION

- Stand is polished to a #4 mill finish.
- Heliarc welded construction creates uniform, rock-solid unit.
- Gussets fully welded on two planes for extra rigidity.
- All tables shipped K.D.

## OPTIONS

- 1 1/4" Maple cutting board attached to adjustable stainless steel tubular supports. (Model #ACB)
- 18 gauge 430 stainless steel adjustable plate shelf (must be ordered with cutting board). (Model #APS)

**BUILT TO LAST A LIFETIME**

Item# \_\_\_\_\_ Project \_\_\_\_\_

## GALVANIZED UNDERSHELF

| Quantity        | 16GA 430<br>Model # | 14GA 304<br>Model # | 16GA 430<br>Model # | 14GA 304<br>Model # |
|-----------------|---------------------|---------------------|---------------------|---------------------|
| <b>24" WIDE</b> |                     |                     |                     |                     |
| 4EG-2424        | 2EG-2424            | 4EG-3024            | 2EG-3024            | 2EG-3024            |
| 4EG-2430        | 2EG-2430            | 4EG-3030            | 2EG-3030            | 2EG-3030            |
| 4EG-2436        | 2EG-2436            | 4EG-3036            | 2EG-3036            | 2EG-3036            |
| 4EG-2448        | 2EG-2448            | 4EG-3048            | 2EG-3048            | 2EG-3048            |
| 4EG-2460        | 2EG-2460            | 4EG-3060            | 2EG-3060            | 2EG-3060            |
| 4EG-2472        | 2EG-2472            | 4EG-3072            | 2EG-3072            | 2EG-3072            |
| 4EG-2484        | 2EG-2484            | 4EG-3084            | 2EG-3084            | 2EG-3084            |
| 4EG-2496        | 2EG-2496            | 4EG-3096            | 2EG-3096            | 2EG-3096            |

## STAINLESS UNDERSHELF

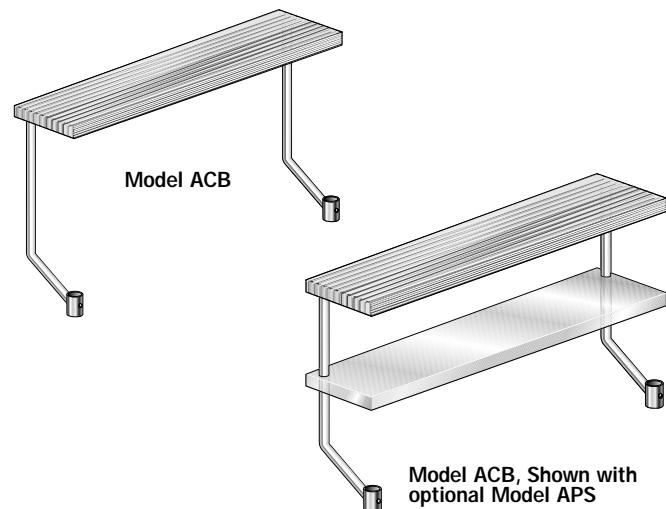
| Quantity        | 16GA 430<br>Model # | 14GA 304<br>Model # | 16GA 430<br>Model # | 14GA 304<br>Model # |
|-----------------|---------------------|---------------------|---------------------|---------------------|
| <b>30" WIDE</b> |                     |                     |                     |                     |
| 4ES-2424        | 2ES-2424            | 4ES-3024            | 2ES-3024            | 2ES-3024            |
| 4ES-2430        | 2ES-2430            | 4ES-3030            | 2ES-3030            | 2ES-3030            |
| 4ES-2436        | 2ES-2436            | 4ES-3036            | 2ES-3036            | 2ES-3036            |
| 4ES-2448        | 2ES-2448            | 4ES-3048            | 2ES-3048            | 2ES-3048            |
| 4ES-2460        | 2ES-2460            | 4ES-3060            | 2ES-3060            | 2ES-3060            |
| 4ES-2472        | 2ES-2472            | 4ES-3072            | 2ES-3072            | 2ES-3072            |
| 4ES-2484        | 2ES-2484            | 4ES-3084            | 2ES-3084            | 2ES-3084            |
| 4ES-2496        | 2ES-2496            | 4ES-3096            | 2ES-3096            | 2ES-3096            |

## Maple Cutting Boards 8" Wide, 1 1/4" Thick

|         |
|---------|
| ACB-824 |
| ACB-830 |
| ACB-836 |
| ACB-848 |
| ACB-860 |
| ACB-872 |
| ACB-884 |
| ACB-896 |

## Adjustable Plate Shelf (Only Available With Cutting Board)

|         |
|---------|
| APS-824 |
| APS-830 |
| APS-836 |
| APS-848 |
| APS-860 |
| APS-872 |
| APS-884 |
| APS-896 |

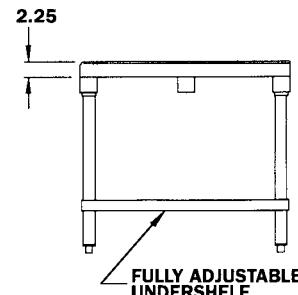
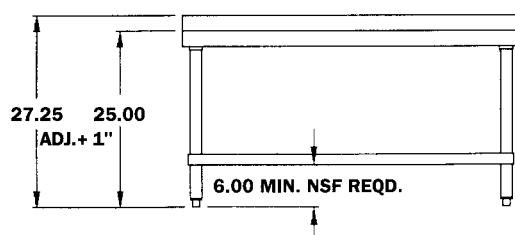
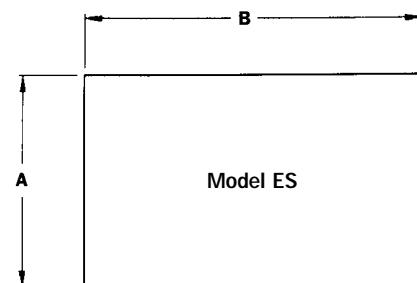
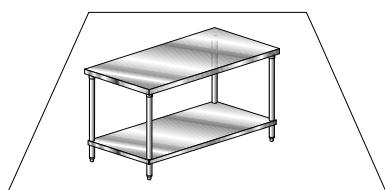


Model ACB, Shown with optional Model APS



# DIMENSIONAL SPECIFICATIONS

EG/ES SERIES Equipment Stands



## GALVANIZED UNDER SHELF

## STAINLESS UNDER SHELF

| A<br>Width      | B<br>Length | ECONOMY<br>16GA 430<br>Model # | PREMIUM<br>14GA 304<br>Model # | ECONOMY<br>16GA 430<br>Model # | PREMIUM<br>14GA 304<br>Model # | Ship<br>Weight | Cubic<br>Feet |
|-----------------|-------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------|---------------|
| <b>24" WIDE</b> |             |                                |                                |                                |                                |                |               |
| 24              | 24          | 4EG-2424                       | 2EG-2424                       | 4ES-2424                       | 2ES-2424                       | 42             | 8             |
| 24              | 30          | 4EG-2430                       | 2EG-2430                       | 4ES-2430                       | 2ES-2430                       | 49             | 11            |
| 24              | 36          | 4EG-2436                       | 2EG-2436                       | 4ES-2436                       | 2ES-2436                       | 56             | 13            |
| 24              | 48          | 4EG-2448                       | 2EG-2448                       | 4ES-2448                       | 2ES-2448                       | 74             | 17            |
| 24              | 60          | 4EG-2460                       | 2EG-2460                       | 4ES-2460                       | 2ES-2460                       | 84             | 21            |
| 24              | 72          | 4EG-2472                       | 2EG-2472                       | 4ES-2472                       | 2ES-2472                       | 102            | 25            |
| 24              | 84          | 4EG-2484                       | 2EG-2484                       | 4ES-2484                       | 2ES-2484                       | 120            | 29            |
| 24              | 96          | 4EG-2496                       | 2EG-2496                       | 4ES-2496                       | 2ES-2496                       | 135            | 33            |
| <b>30" WIDE</b> |             |                                |                                |                                |                                |                |               |
| 30              | 24          | 4EG-3024                       | 2EG-3024                       | 4ES-3024                       | 2ES-3024                       | 42             | 10            |
| 30              | 30          | 4EG-3030                       | 2EG-3030                       | 4ES-3030                       | 2ES-3030                       | 49             | 13            |
| 30              | 36          | 4EG-3036                       | 2EG-3036                       | 4ES-3036                       | 2ES-3036                       | 56             | 16            |
| 30              | 48          | 4EG-3048                       | 2EG-3048                       | 4ES-3048                       | 2ES-3048                       | 74             | 21            |
| 30              | 60          | 4EG-3060                       | 2EG-3060                       | 4ES-3060                       | 2ES-3060                       | 84             | 26            |
| 30              | 72          | 4EG-3072                       | 2EG-3072                       | 4ES-3072                       | 2ES-3072                       | 102            | 31            |
| 30              | 84          | 4EG-3084                       | 2EG-3084                       | 4ES-3084                       | 2ES-3084                       | 120            | 36            |
| 30              | 96          | 4EG-3096                       | 2EG-3096                       | 4ES-3096                       | 2ES-3096                       | 135            | 42            |

## Maple Cutting Boards 8" Wide, 1 1/4" Thick

| A<br>Width | B<br>Length | ECONOMY<br>16GA 430<br>Model # | Ship<br>Weight | Cubic<br>Feet |
|------------|-------------|--------------------------------|----------------|---------------|
| 8          | 24          | ACB-824                        | 28             | 1             |
| 8          | 30          | ACB-830                        | 29             | 1             |
| 8          | 36          | ACB-836                        | 30             | 1             |
| 8          | 48          | ACB-848                        | 34             | 2             |
| 8          | 60          | ACB-860                        | 37             | 2             |
| 8          | 72          | ACB-872                        | 40             | 3             |
| 8          | 84          | ACB-884                        | 56             | 3             |
| 8          | 96          | ACB-896                        | 64             | 3             |

## Adjustable Plate Shelf (Only Available With Cutting Board)

| A<br>Width | B<br>Length | ECONOMY<br>16GA 430<br>Model # | Ship<br>Weight | Cubic<br>Feet |
|------------|-------------|--------------------------------|----------------|---------------|
| 8          | 24          | APS-824                        | 22             | 1             |
| 8          | 30          | APS-830                        | 24             | 1             |
| 8          | 36          | APS-836                        | 25             | 1             |
| 8          | 48          | APS-848                        | 27             | 2             |
| 8          | 60          | APS-860                        | 31             | 2             |
| 8          | 72          | APS-872                        | 40             | 3             |
| 8          | 84          | APS-884                        | 50             | 3             |
| 8          | 96          | APS-896                        | 57             | 3             |

All dimensions are typical (tol.  $\pm \frac{1}{8}$ "). • For Accessories and Options see pages TS-5A & TS-5B.  
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**ASK AERO:**  
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Customize  
any product  
for any  
Application!

Call for  
Details!

NO. 815 BOX, GLOVE, WALL MOUNT

**Description:**

Glove Box Dispenser - Triple

Holds three boxes of gloves

Two-way keyholes for vertical or horizontal wall mounting

Stainless Steel

**Made in the USA**

*Consumable items are for demonstration purposes only and are not available for purchase through BOWMAN®.*

[Download Product Datasheet](#)

**Dimensions:** Dimensions rounded to the nearest 1/16"

**15.82"W x 10.04"H x 3.79"D**

40.2 cm x 25.5 cm x 9.6 cm

---

**Related Products Quick Add to Cart:**

SKU: GS-006

\$72.00

1



## TSBX SERIES 4" &amp; 10" Backsplash, S/S Legs and Crossbracing



## MATERIAL

## TOP

- 1 1/2" turn down on 3 sides.
- Rear has a 4" splash.
- Two heavy gauge steel box channels on 24" wide tables for rigidity.
- Three heavy gauge steel box channels on 30" tables for rigidity.
- Four heavy gauge steel box channels on 36" tables for rigidity.
- Sound deadened between table top and channels.
- Crossbracing
  - 1 1/4" O.D. 16 gauge 304 series stainless steel crossbracing, 1 1/8" I.D. aluminum castings at all leg intersections.
- LEGS
  - 1 1/4" O.D. 16 gauge 304 series stainless steel tubing, complete with 1" adjustable, impact resistant, white metal feet.

## DESIGN FEATURES

- Crossbracing is fully adjustable and flexible in design.
- All tables fully cartoned.
- Easily assembled.

## EXCLUSIVE AERO SAFETY EDGE

- Table hemmed to eliminate cuts from rough edges.

## CONSTRUCTION

- Top is polished to a #4 mill finish.
- Heliarc welded construction creates uniform, rock-solid unit.
- Gussets fully welded for extra rigidity.
- All tables shipped K.D.

## AEROSPEC

- 1TSBX TABLES ARE **AEROSPEC DESIGNED**.

*In addition to above specifications:*

- Three sides have a "V" countertop edge to inhibit spillage.
- Backsplash is 10" high including a 2" return on a 45° deg. angle.
- Stainless steel gussets in lieu of galvanized.
- Stainless steel feet in lieu of white metal.

**SEE PAGES SP-6A & SP-6B  
TO DESIGN YOUR  
FLEXIBLE WORKCENTER**

Item# \_\_\_\_\_ Project \_\_\_\_\_

| Quantity | ECONOMY<br>16GA 430<br>Model # | DELUX<br>16GA 304<br>Model # | PREMIUM<br>14GA 304<br>Model # | AEROSPEC<br>14GA 304<br>Model # |
|----------|--------------------------------|------------------------------|--------------------------------|---------------------------------|
|----------|--------------------------------|------------------------------|--------------------------------|---------------------------------|

**24" WIDE**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 4TSBX-2424  | 3TSBX-2424  | 2TSBX-2424  | 1TSBX-2424  |
| 4TSBX-2430  | 3TSBX-2430  | 2TSBX-2430  | 1TSBX-2430  |
| 4TSBX-2436  | 3TSBX-2436  | 2TSBX-2436  | 1TSBX-2436  |
| 4TSBX-2448  | 3TSBX-2448  | 2TSBX-2448  | 1TSBX-2448  |
| 4TSBX-2460  | 3TSBX-2460  | 2TSBX-2460  | 1TSBX-2460  |
| 4TSBX-2472  | 3TSBX-2472  | 2TSBX-2472  | 1TSBX-2472  |
| 4TSBX-2484  | 3TSBX-2484  | 2TSBX-2484  | 1TSBX-2484  |
| 4TSBX-2496  | 3TSBX-2496  | 2TSBX-2496  | 1TSBX-2496  |
| 4TSBX-24108 | 3TSBX-24108 | 2TSBX-24108 | 1TSBX-24108 |
| 4TSBX-24120 | 3TSBX-24120 | 2TSBX-24120 | 1TSBX-24120 |
| 4TSBX-24132 | 3TSBX-24132 | 2TSBX-24132 | 1TSBX-24132 |
| 4TSBX-24144 | 3TSBX-24144 | 2TSBX-24144 | 1TSBX-24144 |

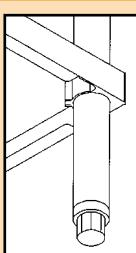
**30" WIDE**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 4TSBX-3024  | 3TSBX-3024  | 2TSBX-3024  | 1TSBX-3024  |
| 4TSBX-3030  | 3TSBX-3030  | 2TSBX-3030  | 1TSBX-3030  |
| 4TSBX-3036  | 3TSBX-3036  | 2TSBX-3036  | 1TSBX-3036  |
| 4TSBX-3048  | 3TSBX-3048  | 2TSBX-3048  | 1TSBX-3048  |
| 4TSBX-3060  | 3TSBX-3060  | 2TSBX-3060  | 1TSBX-3060  |
| 4TSBX-3072  | 3TSBX-3072  | 2TSBX-3072  | 1TSBX-3072  |
| 4TSBX-3084  | 3TSBX-3084  | 2TSBX-3084  | 1TSBX-3084  |
| 4TSBX-3096  | 3TSBX-3096  | 2TSBX-3096  | 1TSBX-3096  |
| 4TSBX-30108 | 3TSBX-30108 | 2TSBX-30108 | 1TSBX-30108 |
| 4TSBX-30120 | 3TSBX-30120 | 2TSBX-30120 | 1TSBX-30120 |
| 4TSBX-30132 | 3TSBX-30132 | 2TSBX-30132 | 1TSBX-30132 |
| 4TSBX-30144 | 3TSBX-30144 | 2TSBX-30144 | 1TSBX-30144 |

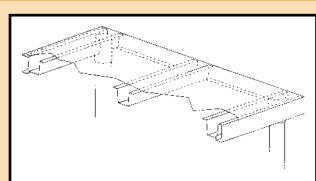
**36" WIDE**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 4TSBX-3636  | 3TSBX-3636  | 2TSBX-3636  | 1TSBX-3636  |
| 4TSBX-3648  | 3TSBX-3648  | 2TSBX-3648  | 1TSBX-3648  |
| 4TSBX-3660  | 3TSBX-3660  | 2TSBX-3660  | 1TSBX-3660  |
| 4TSBX-3672  | 3TSBX-3672  | 2TSBX-3672  | 1TSBX-3672  |
| 4TSBX-3684  | 3TSBX-3684  | 2TSBX-3684  | 1TSBX-3684  |
| 4TSBX-3696  | 3TSBX-3696  | 2TSBX-3696  | 1TSBX-3696  |
| 4TSBX-36108 | 3TSBX-36108 | 2TSBX-36108 | 1TSBX-36108 |
| 4TSBX-36120 | 3TSBX-36120 | 2TSBX-36120 | 1TSBX-36120 |
| 4TSBX-36132 | 3TSBX-36132 | 2TSBX-36132 | 1TSBX-36132 |
| 4TSBX-36144 | 3TSBX-36144 | 2TSBX-36144 | 1TSBX-36144 |

**SEE PAGES TS-5A & TS-5B  
TO CUSTOMIZE YOUR  
AERO TABLE**



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Undershelf  
with Exclusive  
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Extrusion



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in the Industry

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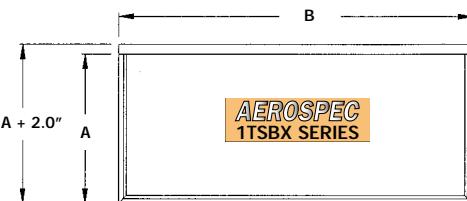
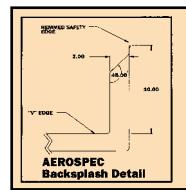
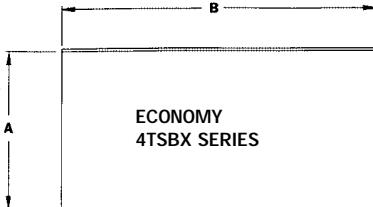
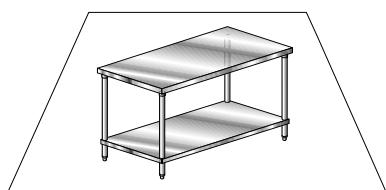
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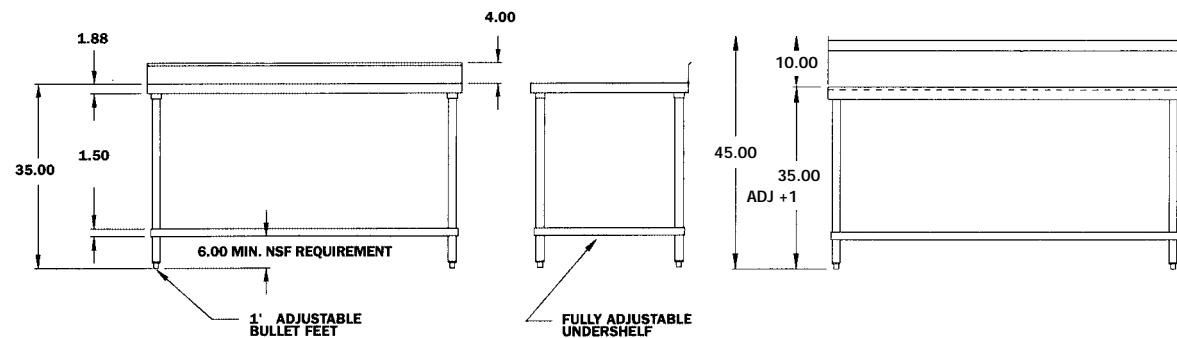


# DIMENSIONAL SPECIFICATIONS

## TSBX SERIES 4" & 10" Backsplash, S/S Legs and Crossbracing



- Tables over 72" in length are shipped with six legs.
- All feet have a full 1" adjustability.
- Crossbracing is fully adjustable.



| A<br>Width      | B<br>Length | ECONOMY<br>16GA 430<br>Model # | DELUX<br>16GA 304<br>Model # | PREMIUM<br>14GA 304<br>Model # | AEROSPEC<br>14GA 304<br>Model # | Ship<br>Weight | Cubic<br>Feet |
|-----------------|-------------|--------------------------------|------------------------------|--------------------------------|---------------------------------|----------------|---------------|
| <b>24" WIDE</b> |             |                                |                              |                                |                                 |                |               |
| 24              | 24          | 4TSBX-2424                     | 3TSBX-2424                   | 2TSBX-2424                     | 1TSBX-2424                      | 50             | 3             |
| 24              | 30          | 4TSBX-2430                     | 3TSBX-2430                   | 2TSBX-2430                     | 1TSBX-2430                      | 55             | 3             |
| 24              | 36          | 4TSBX-2436                     | 3TSBX-2436                   | 2TSBX-2436                     | 1TSBX-2436                      | 66             | 4             |
| 24              | 48          | 4TSBX-2448                     | 3TSBX-2448                   | 2TSBX-2448                     | 1TSBX-2448                      | 81             | 5             |
| 24              | 60          | 4TSBX-2460                     | 3TSBX-2460                   | 2TSBX-2460                     | 1TSBX-2460                      | 95             | 7             |
| 24              | 72          | 4TSBX-2472                     | 3TSBX-2472                   | 2TSBX-2472                     | 1TSBX-2472                      | 113            | 8             |
| 24              | 84          | 4TSBX-2484                     | 3TSBX-2484                   | 2TSBX-2484                     | 1TSBX-2484                      | 135            | 9             |
| 24              | 96          | 4TSBX-2496                     | 3TSBX-2496                   | 2TSBX-2496                     | 1TSBX-2496                      | 150            | 11            |
| 24              | 108         | 4TSBX-24108                    | 3TSBX-24108                  | 2TSBX-24108                    | 1TSBX-24108                     | 165            | 12            |
| 24              | 120         | 4TSBX-24120                    | 3TSBX-24120                  | 2TSBX-24120                    | 1TSBX-24120                     | 268            | 13            |
| 24              | 132         | 4TSBX-24132                    | 3TSBX-24132                  | 2TSBX-24132                    | 1TSBX-24132                     | 301            | 15            |
| 24              | 144         | 4TSBX-24144                    | 3TSBX-24144                  | 2TSBX-24144                    | 1TSBX-24144                     | 316            | 16            |
| <b>30" WIDE</b> |             |                                |                              |                                |                                 |                |               |
| 30              | 24          | 4TSBX-3024                     | 3TSBX-3024                   | 2TSBX-3024                     | 1TSBX-3024                      | 56             | 3             |
| 30              | 30          | 4TSBX-3030                     | 3TSBX-3030                   | 2TSBX-3030                     | 1TSBX-3024                      | 70             | 4             |
| 30              | 36          | 4TSBX-3036                     | 3TSBX-3036                   | 2TSBX-3036                     | 1TSBX-3036                      | 77             | 5             |
| 30              | 48          | 4TSBX-3048                     | 3TSBX-3048                   | 2TSBX-3048                     | 1TSBX-3048                      | 92             | 7             |
| 30              | 60          | 4TSBX-3060                     | 3TSBX-3060                   | 2TSBX-3060                     | 1TSBX-3060                      | 111            | 8             |
| 30              | 72          | 4TSBX-3072                     | 3TSBX-3072                   | 2TSBX-3072                     | 1TSBX-3072                      | 129            | 10            |
| 30              | 84          | 4TSBX-3084                     | 3TSBX-3084                   | 2TSBX-3084                     | 1TSBX-3084                      | 153            | 12            |
| 30              | 96          | 4TSBX-3096                     | 3TSBX-3096                   | 2TSBX-3096                     | 1TSBX-3096                      | 171            | 13            |
| 30              | 108         | 4TSBX-30108                    | 3TSBX-30108                  | 2TSBX-30108                    | 1TSBX-30108                     | 195            | 15            |
| 30              | 120         | 4TSBX-30120                    | 3TSBX-30120                  | 2TSBX-30120                    | 1TSBX-30120                     | 294            | 17            |
| 30              | 132         | 4TSBX-30132                    | 3TSBX-30132                  | 2TSBX-30132                    | 1TSBX-30132                     | 331            | 18            |
| 30              | 144         | 4TSBX-30144                    | 3TSBX-30144                  | 2TSBX-30144                    | 1TSBX-30144                     | 346            | 20            |
| <b>36" WIDE</b> |             |                                |                              |                                |                                 |                |               |
| 36              | 36          | 4TSBX-3636                     | 3TSBX-3636                   | 2TSBX-3636                     | 1TSBX-3636                      | 92             | 6             |
| 36              | 48          | 4TSBX-3648                     | 3TSBX-3648                   | 2TSBX-3648                     | 1TSBX-3648                      | 101            | 8             |
| 36              | 60          | 4TSBX-3660                     | 3TSBX-3660                   | 2TSBX-3660                     | 1TSBX-3660                      | 121            | 10            |
| 36              | 72          | 4TSBX-3672                     | 3TSBX-3672                   | 2TSBX-3672                     | 1TSBX-3672                      | 142            | 12            |
| 36              | 84          | 4TSBX-3684                     | 3TSBX-3684                   | 2TSBX-3684                     | 1TSBX-3684                      | 169            | 14            |
| 36              | 96          | 4TSBX-3696                     | 3TSBX-3696                   | 2TSBX-3696                     | 1TSBX-3696                      | 189            | 16            |
| 36              | 108         | 4TSBX-36108                    | 3TSBX-36108                  | 2TSBX-36108                    | 1TSBX-36108                     | 160            | 18            |
| 36              | 120         | 4TSBX-36120                    | 3TSBX-36120                  | 2TSBX-36120                    | 1TSBX-36120                     | 315            | 20            |
| 36              | 132         | 4TSBX-36132                    | 3TSBX-36132                  | 2TSBX-36132                    | 1TSBX-36132                     | 358            | 22            |
| 36              | 144         | 4TSBX-36144                    | 3TSBX-36144                  | 2TSBX-36144                    | 1TSBX-36144                     | 373            | 24            |

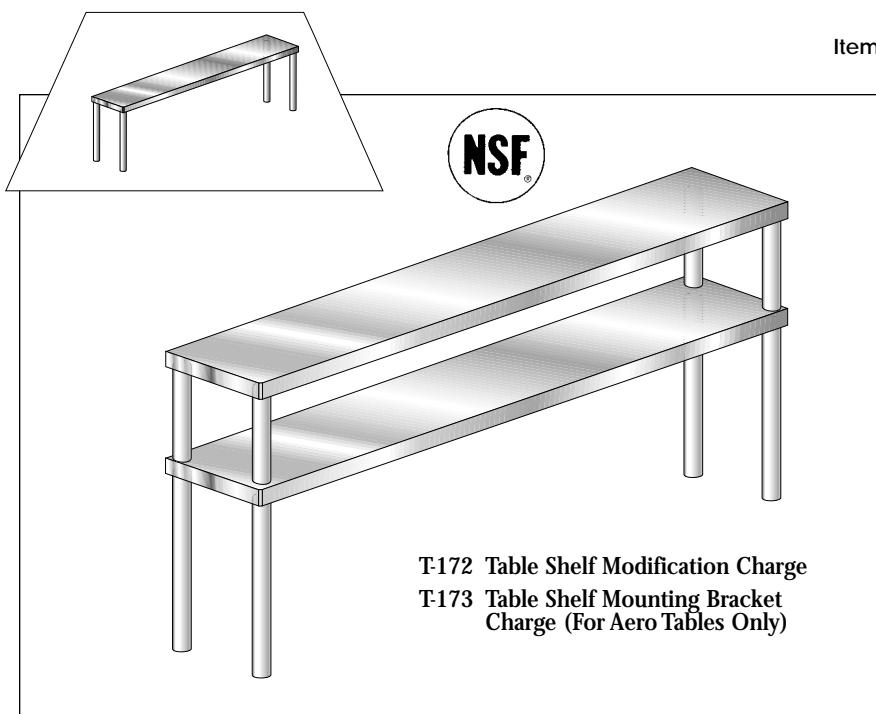
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# OVERSHELF

## DO SERIES Table Mounted, Double Overshelf



Item# \_\_\_\_\_ Project \_\_\_\_\_

| Quantity | ECONOMY<br>16GA 430<br>Model # | DELUX<br>16GA 304<br>Model # | AEROSPEC<br>14GA 304<br>Model # |
|----------|--------------------------------|------------------------------|---------------------------------|
|----------|--------------------------------|------------------------------|---------------------------------|

### 10" WIDE

|           |           |           |
|-----------|-----------|-----------|
| 4DO-1036  | 3DO-1036  | 2DO-1036  |
| 4DO-1048  | 3DO-1048  | 2DO-1048  |
| 4DO-1060  | 3DO-1060  | 2DO-1060  |
| 4DO-1072  | 3DO-1072  | 2DO-1072  |
| 4DO-1084  | 3DO-1084  | 3DO-1084  |
| 4DO-1096  | 3DO-1096  | 2DO-1096  |
| 4DO-10108 | 3DO-10108 | 2DO-10108 |
| 4DO-10120 | 3DO-10120 | 2DO-10120 |
| 4DO-10132 | 3DO-10132 | 2DO-10132 |
| 4DO-10144 | 3DO-10144 | 2DO-10144 |

### 12" WIDE

|           |           |           |
|-----------|-----------|-----------|
| 4DO-1236  | 3DO-1236  | 2DO-1236  |
| 4DO-1248  | 3DO-1248  | 2DO-1248  |
| 4DO-1260  | 3DO-1260  | 2DO-1260  |
| 4DO-1272  | 3DO-1272  | 2DO-1272  |
| 4DO-1284  | 3DO-1284  | 2DO-1284  |
| 4DO-1296  | 3DO-1296  | 2DO-1296  |
| 4DO-12108 | 3DO-12108 | 2DO-12108 |
| 4DO-12120 | 3DO-12120 | 2DO-12120 |
| 4DO-12132 | 3DO-12132 | 2DO-12132 |
| 4DO-12144 | 3DO-12144 | 2DO-12144 |

### 15" WIDE

|           |           |           |
|-----------|-----------|-----------|
| 4DO-1536  | 3DO-1536  | 2DO-1536  |
| 4DO-1548  | 3DO-1548  | 2DO-1548  |
| 4DO-1560  | 3DO-1560  | 2DO-1560  |
| 4DO-1572  | 3DO-1572  | 2DO-1572  |
| 4DO-1584  | 3DO-1584  | 2DO-1584  |
| 4DO-1596  | 3DO-1596  | 2DO-1596  |
| 4DO-15108 | 3DO-15108 | 2DO-15108 |
| 4DO-15120 | 3DO-15120 | 2DO-15120 |
| 4DO-15132 | 3DO-15132 | 2DO-15132 |
| 4DO-15144 | 3DO-15144 | 2DO-15144 |

### 18" WIDE

|           |           |           |
|-----------|-----------|-----------|
| 4DO-1836  | 3DO-1836  | 2DO-1836  |
| 4DO-1848  | 3DO-1848  | 2DO-1848  |
| 4DO-1860  | 3DO-1860  | 2DO-18608 |
| 4DO-1872  | 3DO-1872  | 2DO-1872  |
| 4DO-1884  | 3DO-1884  | 2DO-1884  |
| 4DO-1896  | 3DO-1896  | 2DO-1896  |
| 4DO-18108 | 3DO-18108 | 2DO-18108 |
| 4DO-18120 | 3DO-18120 | 2DO-18120 |
| 4DO-18132 | 3DO-18132 | 2DO-18132 |
| 4DO-18144 | 3DO-18144 | 2DO-18144 |

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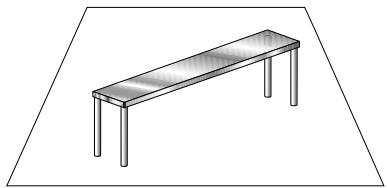
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# DIMENSIONAL SPECIFICATIONS

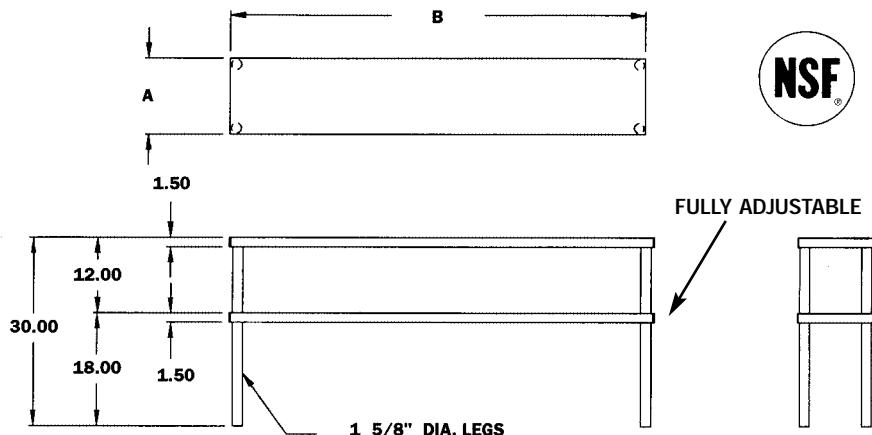
DO SERIES Table Mounted, Double Overshelf



- Shelves over 72" in length are shipped with six legs.
- 18" mid-shelf height is standard. Adjustable to any height.

T172 Table Shelf Modification Charge

T173 Table Shelf Mounting Bracket Charge (For Aero Tables Only)

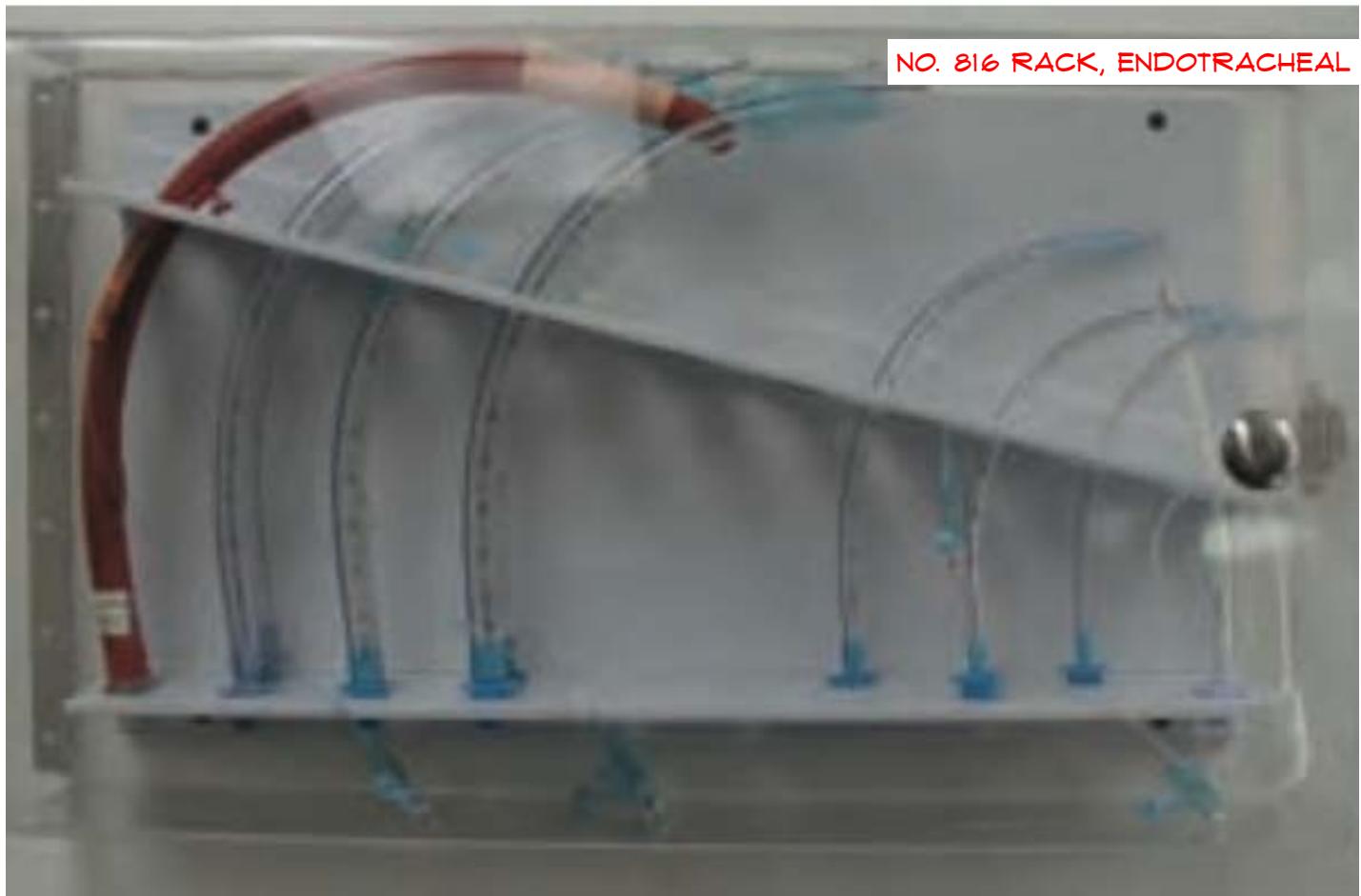


| A<br>Width      | B<br>Length | ECONOMY<br>16GA 430<br>Model # | DELUX<br>16GA 304<br>Model # | AEROSPEC<br>14GA 304<br>Model # | Ship<br>Weight | Cubic<br>Feet |
|-----------------|-------------|--------------------------------|------------------------------|---------------------------------|----------------|---------------|
| <b>10" WIDE</b> |             |                                |                              |                                 |                |               |
| 10              | 36          | 4DO-1036                       | 3DO-1036                     | 2DO-1036                        | 24             | 4             |
| 10              | 48          | 4DO-1048                       | 3DO-1048                     | 2DO-1048                        | 29             | 5             |
| 10              | 60          | 4DO-1060                       | 3DO-1060                     | 2DO-1060                        | 35             | 6             |
| 10              | 72          | 4DO-1072                       | 3DO-1072                     | 2DO-1072                        | 40             | 8             |
| 10              | 84          | 4DO-1084                       | 3DO-1084                     | 2DO-1084                        | 46             | 9             |
| 10              | 96          | 4DO-1096                       | 3DO-1096                     | 2DO-1096                        | 55             | 10            |
| 10              | 108         | 4DO-10108                      | 3DO-10108                    | 2DO-10108                       | 60             | 11            |
| 10              | 120         | 4DO-10120                      | 3DO-10120                    | 2DO-10120                       | 66             | 13            |
| 10              | 132         | 4DO-10132                      | 3DO-10132                    | 2DO-10132                       | 72             | 14            |
| 10              | 144         | 4DO-10144                      | 3DO-10144                    | 2DO-10144                       | 78             | 15            |
| <b>12" WIDE</b> |             |                                |                              |                                 |                |               |
| 12              | 36          | 4DO-1236                       | 3DO-1236                     | 2DO-1236                        | 24             | 7             |
| 12              | 48          | 4DO-1248                       | 3DO-1248                     | 2DO-1248                        | 29             | 9             |
| 12              | 60          | 4DO-1260                       | 3DO-1260                     | 2DO-1260                        | 35             | 12            |
| 12              | 72          | 4DO-1272                       | 3DO-1272                     | 2DO-1272                        | 40             | 14            |
| 12              | 84          | 4DO-1284                       | 3DO-1284                     | 2DO-1284                        | 46             | 16            |
| 12              | 96          | 4DO-1296                       | 3DO-1296                     | 2DO-1296                        | 55             | 19            |
| 12              | 108         | 4DO-12108                      | 3DO-12108                    | 2DO-12108                       | 60             | 21            |
| 12              | 120         | 4DO-12120                      | 3DO-12120                    | 2DO-12120                       | 66             | 23            |
| 12              | 132         | 4DO-12132                      | 3DO-12132                    | 2DO-12132                       | 72             | 26            |
| 12              | 144         | 4DO-12144                      | 3DO-12144                    | 2DO-12144                       | 78             | 28            |
| <b>15" WIDE</b> |             |                                |                              |                                 |                |               |
| 15              | 36          | 4DO-1536                       | 3DO-1536                     | 2DO-1536                        | 24             | 9             |
| 15              | 48          | 4DO-1548                       | 3DO-1548                     | 2DO-1548                        | 29             | 12            |
| 15              | 60          | 4DO-1560                       | 3DO-1560                     | 2DO-1560                        | 35             | 15            |
| 15              | 72          | 4DO-1572                       | 3DO-1572                     | 2DO-1572                        | 40             | 18            |
| 15              | 84          | 4DO-1584                       | 3DO-1584                     | 2DO-1584                        | 46             | 20            |
| 15              | 96          | 4DO-1596                       | 3DO-1596                     | 2DO-1596                        | 55             | 23            |
| 15              | 108         | 4DO-15108                      | 3DO-15108                    | 2DO-15108                       | 60             | 26            |
| 15              | 120         | 4DO-15120                      | 3DO-15120                    | 2DO-15120                       | 66             | 29            |
| 15              | 132         | 4DO-15132                      | 3DO-15132                    | 2DO-15132                       | 72             | 32            |
| 15              | 144         | 4DO-15144                      | 3DO-15144                    | 2DO-15144                       | 78             | 35            |
| <b>18" WIDE</b> |             |                                |                              |                                 |                |               |
| 18              | 36          | 4DO-1836                       | 3DO-1836                     | 2DO-1836                        | 24             | 11            |
| 18              | 48          | 4DO-1848                       | 3DO-1848                     | 2DO-1848                        | 29             | 14            |
| 18              | 60          | 4DO-1860                       | 3DO-1860                     | 2DO-1860                        | 35             | 18            |
| 18              | 72          | 4DO-1872                       | 3DO-1872                     | 2DO-1872                        | 40             | 21            |
| 18              | 84          | 4DO-1884                       | 3DO-1884                     | 2DO-1884                        | 46             | 25            |
| 18              | 96          | 4DO-1896                       | 3DO-1896                     | 2DO-1896                        | 55             | 28            |
| 18              | 108         | 4DO-18108                      | 3DO-18108                    | 2DO-18108                       | 60             | 32            |
| 18              | 120         | 4DO-18120                      | 3DO-18120                    | 2DO-18120                       | 66             | 35            |
| 18              | 132         | 4DO-18132                      | 3DO-18132                    | 2DO-18132                       | 72             | 39            |
| 18              | 144         | 4DO-18144                      | 3DO-18144                    | 2DO-18144                       | 78             | 42            |

All dimensions are typical (tol.  $\pm \frac{1}{2}$ "). • For Accessories and Options see pages TS-5A, TS-5B.  
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NO. 816 RACK, ENDOTRACHEAL



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## ENDOTRACHEAL TUBE RACK & COVER

\$182.00

Unit of Measure: EA

1

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Description

Additional Information

## PRODUCT DESCRIPTION

**Free Shipping On Orders Over \$300\*** (<https://www.jorvet.com/shipping-policy/>)

Endotracheal Tube Rack Cover. Protective storage of endotracheal tubes is a requirement for AAHA Hospitals.

Jorvet is now offering a clean protective cover for clinics using our popular (\$0.00) (<https://www.jorvet.com/digital>) gives a nice professional look to endotube storage.

- Magnetic lock: holds door closed, but opens easily
- Metal hinge includes mounting screws and wall expanders
- Able to mount on most surfaces

ET Tube Rack and Cover.

---

## RELATED PRODUCTS

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**NO. 811 RACK, APRON, LEAD MOBILE**



All Infab Apron Racks ship in standard white unless specified.



#### New Swivel Casters

All new barriers and racks feature our new and improved swivel casters.

## Mini Mobile Apron Rack

- Heavy gauge cold rolled steel
- Powder coated
- Attractive, durable, long lasting finish
- Hospital grade casters
- Holds up to six protection aprons, a pair of lead gloves and two pairs of radiation protection glasses
- Compact size (72" H x 27" W x 25" D)
- Aprons and other accessories available separately

| Model  | Description   | Box 1: 56 lbs. (29" x 49" x 8") |
|--------|---|---------------------------------|
| 683418 | Mini Mobile Apron Rack<br>Width: 27"<br>Height: 78"<br>Depth: 25"                         |                                 |
| 683419 | Mini Mobile Apron Rack with six 683450 hangers<br>Width: 27"<br>Height: 78"<br>Depth: 25" | Box 1: 56 lbs. (29" x 49" x 8") |

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- Removable tray for easy cleaning
- Foot-pedal operated lock adjusts height from 36" -62" high
- Low profile base design easily slides under equipment.
- All welded #304 stainless steel construction
- 2" Double ball bearing casters
- Brass inserts allow for easy height adjustment
- Unique "safe descend" feature built in for patient and staff

### Ordering Information

| Material   | Description                             | Packaging |
|------------|---|-----------|
| MPHM1621SS | STAND, MAYO, SS, 16.25"X21.25" TRAY, FT | 1 EA      |
| MPHM2025SS | STAND, MAYO, SS, 20X25 TRAY, FOOT OP    | 1 EA      |

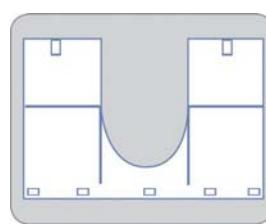
### Customers Who Bought This Item Also Bought



Perforated Mayo Stand Trays



Steel Foot Stools with Handrail



Invisishield 1-Piece C-Arm Drapes



### Documents/SDS

#### Literature

##### Literature

LIT701R\_CAT\_Capital Equipment\_PAC\_18.pdf



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### Specifications

HPIS CODE 710\_920\_20\_0

LATEX FREE Yes, No

| ORDERING INFORMATION | SPECIFICATIONS                   | DOCUMENTS/SDS |
|----------------------|----------------------------------|---------------|
| MATERIAL             | Stainless Steel                  |               |
| MAX HEIGHT INCHES    | 62 in                            |               |
| MIN HEIGHT INCHES    | 36 in                            |               |
| OPERATION TYPE       | Foot                             |               |
| TRAY SIZE            | 16.25" X 21.25", 20"X25"         |               |
| UNSPSC               | 422295106                        |               |
| UNIT COMPATIBILITY   | PEDIGO : Pedigo, Pedigo Products |               |
| WIDTH INCHES         | 16.25 in, 20 in                  |               |

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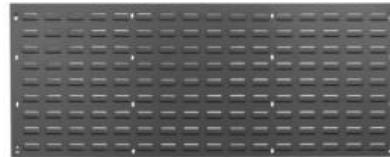
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QUOTE REQUEST

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[Home](#) | **QLP-4819CO Conductive Louvered Panel**Click on the image above to view full picture [\[+\]](#)**QLP-4819CO CONDUCTIVE LOUVERED PANEL**Quantity: [Email This](#)[Facebook](#)[Twitter](#)[\[+\] More](#)

The QLP-4819CO conductive Louvered panel is a Louvered panel unit designed with extra width to provide more storage space for your conductive storage bins. The bins are paramount in protecting stored electrical components from damaging EMI interference.

## Features:

- Load Capacity: 250 lbs.
- Carton Weight: 18 lbs.
- Dimensions: 48" x 19"

It

[CLICK HERE TO BUY FROM ANY OF THESE GREAT LOCATIONS](#)[View or download Catalog PDF for this product. Click Here](#)[Additional Information](#)**ADDITIONAL INFORMATION**

|                    |           |
|--------------------|-----------|
| Ctn Wt.            | 18        |
| Load (lbs.)        | 250       |
| Outside Dimensions | 48" x 19" |

# MEDICAL

## Pass-Thru Medical Cabinet

- Constructed of 18 gauge 304 stainless steel and 1/4" tempered glass
- Upper & Lower cabinets are accessible from either side
- Double door upper cabinet is equipped with 3 adjustable stainless steel shelves
- Locking doors available
- Custom sizes available
- OPTIONAL: Stainless steel trim available when placed into wall (ask for details).

#700-30 Pass-Thru Upper & Lower 2 Door Medical Cabinetry



## MEDICAL CABINETS



Shown here installed in a surgery room.

TriStar offers this unit in custom sizes. Call us for details.

#700-30

## Pass-Thru Medical Window

- Constructed of 18 gauge 304 stainless steel and tempered glass
- Overall dimension of 36" W x 36" H x 12" D
- 2 stainless steel shelves
- OPTIONAL: Locking doors available
- Available in custom sizes

#700-50 Pass-Thru Medical Window



## PASS-THRU WINDOWS INSTALLATION



The window finished out with dry wall.



Finished out with a stainless steel frame.

#700-50

Shown here installed and trimmed out in stainless steel

#700-50TP

Trim Package for Pass-Thru Medical Window



## J-Fill® QuattroSelect® Dispensing System



Wall-mounted dispensing system that accurately dispenses four different products and rinse water in one easy step.

### Easy to Use

- Dispenses four products at the push of a button
- Number and color-coded labels for easier product identification
- J-Fill® dispensing system will dispense accurate cleaning solutions with no measuring, mixing or mess
- Fill buckets, autoscrubbers or bottles from a central location accurately and efficiently
- Easy product change-out
- High flow bucket fill and low flow bottle fill

### Features

- Air Gap backflow prevention
- One handed low flow bottle filling
- Remote high flow bucket/autoscrubber fill gun
- Smart Valve™ product selection
- Product identification windows
- Drip tray with drain hose
- Rugged powder coated steel construction
- Lockable cabinet with keys
- Design only allows J-Fill® packaging to be used within dispenser
- Uses J-Fill® Spill-Tite™/MC cartridges that are leak proof and virtually eliminates chemical exposure, tampering and manually diluting products
- Metering tip in each J-Fill® cartridge ensures precise dilution and eliminates possibility of tampering with dilution ratios
- J-Fill® dispensers use superconcentrated and hyperconcentrated chemicals, reducing in-use cost, packaging used and solid waste disposal

### Designed For

- Healthcare
- Food Service
- Education
- Retail
- BSC
- Government

# Use Overview

QuattroSelect® Dispensing System allows you to choose from four different products with the turn of a dial. Simply select the product you desire, choose one handed low flow bottle fill or point of use bucket activation and dispense ready-to-use solutions into spray bottles, buckets and automatic scrubbers. The lockable cabinet helps eliminate unwanted cartridge removal.



Remote high flow bucket activation



High flow and low flow quick change



One handed bottle fill



## Product Specifications

| Description             |   |
|-------------------------|---|
| Unit Dimensions         | 24.25" x 18.5" x 7.5"<br>(62 cm x 47 cm x 19 cm)  |
| Weight                  | 15 lbs./6.8 kg                                    |
| Weight in Carton        | 19 lbs./8.6 kg                                    |
| Carton Dimension        | 27" x 20.5" x 9.5"<br>(68 cm x 52.1 cm x 24.1 cm) |
| Low Flow Rate           | 1.5 gpm (5.1 Lpm)                                 |
| High Flow Rate          | 4.0 gpm (15.0 Lpm)                                |
| Water In-Let Hose       | 4' (1.22 m)                                       |
| Remote Bucket Fill Hose | 8' (2.44 m)                                       |
| Drip Tray Drainage Hose | 8' (2.44 m)                                       |

## Available Items

| Product Code | Description/Package Size   |
|--------------|--|
| 3764735      | J-Fill® QuattroSelect® Air Gap Dispenser / 1 Unit                    |
| 3754220      | J-Fill® QuattroSelect® Safe Gap Dispenser / 1 Unit                   |
| 5913247      | J-Fill® QuattroSelect® Safe Gap dispenser - Solid Door Unit / 1 Unit |

## Safety Reminder

Please make sure your employees read and understand the product label and Safety Data Sheet before using this product. The label contains directions for use, and both the label and SDS contain hazard warnings, precautionary statements and first aid procedures. SDSs are available on-line at [www.sealedair.com](http://www.sealedair.com) or by calling 888 352 2249. Improper use or dilution may result in damage to surfaces and may result in health and physical hazards that match those of the concentrate. Please refer to the Diversey HazMat Library, only available through Internet Explorer, <http://naextranet.diversey.com/dot/>, for up to date shipping information.

## Operating Range Requirements

| Description       | Concentrate             |
|-------------------|-------------------------|
| Water Pressure    | 30-85 psi (170-580 KPA) |
| Water Flow        | > 2.0 gpm               |
| Water Temperature | 40-120° F (5-48° C)     |

ASSE 1055-B backflow prevention requirements.

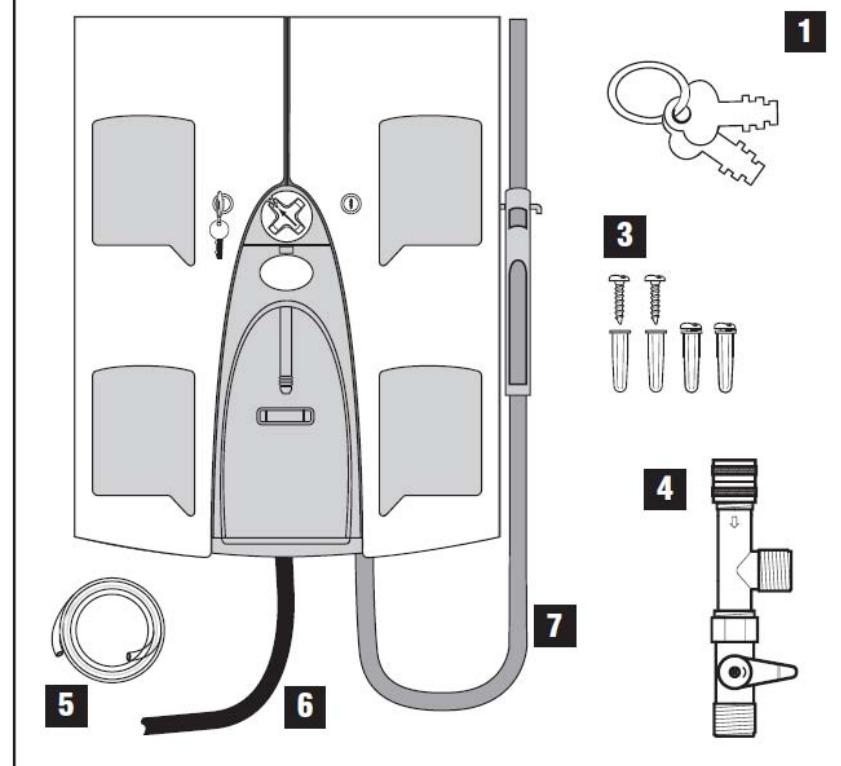


# QUATTROSELECT™/MC

## OWNER'S GUIDE

## GUIA DEL PROPIETARIO

## GUIDE DU PROPRIÉTAIRE



### English

#### CONTENTS (See Illustration A)

1. Locking cabinet and 2 keys
2. Owner's manual that includes drilling template on pages 2 and 3
3. Mounting kit that includes four screws and anchors
4. Tap Connection Filter Valve (attached to water inlet hose)
5. Drip Tray Drainage Tube (8' - 2.44 m)
6. Water Inlet Hose (4' - 1.22 m)
7. Remote Filling Hose and Gun (8' - 2.44 m)

### SAFETY INSTRUCTIONS

**WEAR** protective clothing and eyewear when dispensing chemical or other materials.

**ALWAYS** observe safety and handling instructions on product labels and Material Safety Data Sheets.

**ALWAYS** direct discharge stream away from you and other persons.

**ALWAYS** dispense cleaners and chemicals in accordance with instructions. Exercise **CARE** when maintaining equipment.

**KEEP** equipment clean for proper operation.

**ATTACH** only to a tap water outlet that has a pressure between 30-85 PSI (170-580 kPa), a minimum volume of 2.0 gal./min. (7.6 L/min) and temperature between 40-120°F (4-49°C). Please note that a pressure regulator is required for pressures above 85 PSI (580 kPa). See your local Diversey Representative or Distributor for details.

**DO NOT** use any water supply hoses or fittings other than those supplied with the *QuattroSelect™/MC* dispenser.

**ALWAYS** assemble equipment according to instruction procedures. Be sure all components are firmly screwed or latched into position.

### Español

#### CONTENIDO (Vea ilustración A)

1. Gabinete de cerradura y 2 llaves
2. Manual del propietario que incluye la plantilla para taladrar los agujeros en las páginas 2 y 3
3. Juego de montaje que incluye cuatro tornillos y fijadores de los tornillos a la pared

#### INSTRUCCIONES DE SEGURIDAD

**USE** ropa de protección y protección para los ojos al distribuir los productos químicos u otros materiales.

**SIEMPRE** observe las instrucciones de manipulación y las medidas de seguridad en las etiquetas del producto y en las Hojas de información de seguridad del material.

**SIEMPRE** dirige el chorro de descarga alejado de su cuerpo y de otras personas.

**SIEMPRE** distribuya los limpiadores y productos químicos de acuerdo con las instrucciones. Ponga en práctica la **PRECAUCIÓN** debida al realizar el mantenimiento de su equipo.

**MANTENGA** el equipo limpio para un funcionamiento correcto.

**CONECTE** el sistema solamente a una salida de agua con una presión de 170 a 580 kPa (30 a 85 lb/pulg<sup>2</sup>), un volumen mínimo de 7.6 l/min (2.0 gal./min) y una temperatura entre 4° y 49°C (40° y 120°F). Nota: Se requiere la instalación de un regulador de presión para niveles de presión superiores a 580 kPa (85 lb/pulg<sup>2</sup>). Para informarse, consulte a su representante Diversey o distribuidor en su región.

**NO USE** ninguna manguera de suministro de agua o ningún accesorio que no sean los que se han suministrado con el dispensador *QuattroSelect™/MC*.

**SIEMPRE** ensamble el equipo de acuerdo con los procedimientos señalados en las instrucciones. Asegúrese de que todos los componentes estén firmemente atornillados o trabados en su posición.

### Français

#### CONTENU (Voir l'illustration A)

1. Armoire distributrice à serrure, avec 2 clés
2. Manuel du propriétaire qui comprend un gabarit de perçage aux pages 2 et 3
3. Trousse de montage qui comprend quatre vis et quatre chevilles

#### DIRECTIVES DE SÉCURITÉ

**PORTER** des vêtements de protection et des lunettes de sécurité lors de la distribution des produits chimiques et d'autres matières.

**TOUJOURS** respecter les directives de sécurité et de manutention figurant sur les étiquettes de produits et sur les fiches signalétiques.

**TOUJOURS** diriger le jet de décharge dans la direction opposée de soi-même et des autres personnes.

**TOUJOURS** faire la distribution des nettoyeurs et des produits chimiques conformément aux directives. Faire preuve de **PRUDENCE** lors de l'entretien des appareils.

**GARDER** l'équipement propre afin d'en assurer le bon fonctionnement.

**RACCORDER** uniquement à une sortie d'eau dont la pression s'établit entre 170 et 580 kPa (30-85 livres par pouce carré), avec un volume minimal de 7,6 L/min (2 gal./min.) et une température de 4° à 49° C (40-120°F). Veuillez noter que la pose d'un régulateur de pression est requise pour les pressions supérieures à 580 kPa (85 livres par pouce carré). Se renseigner auprès du représentant Diversey ou du distributeur de la région.

**NE PAS UTILISER** des tuyaux d'approvisionnement d'eau ou de raccords autres que ceux fournis avec le distributeur *QuattroSelect™/MC*.

**TOUJOURS** monter l'équipement selon les directives fournies. S'assurer que tous les composants sont fermement visés ou verrouillés en place.

## DRILLING TEMPLATE • PLANTILLA DE P

## TOOLS NEEDED FOR INSTALLATION

- Phillips-head screwdriver
- Drill and 5/16" (8 mm) drill bit
- Pencil
- Level
- Tape measure
- Goggles
- Rubber gloves

## SPACE REQUIREMENTS FOR UNIT

Height – 24.25 (62 cm)  
 Width – 18.5 (47 cm)  
 Depth – 7.5 (19 cm)  
 Weight (with product) – 45 lbs. (16kg)

## HANGING THE UNIT

Survey the room, or area and choose a wall surface that is:

- Capable of sustaining a 45 pound (16 kg) load.
- Free of hidden utilities such as water pipes or electrical wiring.
- Within 4 feet (1.22 m) of a water supply that has a pressure between 30-85 PSI (170-580 kPa), a minimum volume of 2.0 gal./min. (7.6 l/min.) and temperature between 40-120°F (4-49°C)
- Within 6 feet (1.8 m) of a floor drain or sink. If a drain is not available, drain into a bucket.

1. Place the unit against the wall to determine the mounting height. Ideally, the bottom of the unit should be 48" (120 cm) off the floor.
2. Mark 4 points for the mounting screws through 4 holes in the back of the unit (at minimum 66" [168 cm] from the floor for the top two holes).
3. Position the drilling template over the points marked on the wall.
4. Adjust the template, so it is centered and level on the wall. (See figure 1.)
5. Secure the template to the wall with a piece of tape.
6. Drill the 4 holes. (See figure 2.)
7. Push the anchors into each hole (if needed). (See figure 3.)
8. Place a screw without washer into top anchors and tighten the screws leaving a 1/4" (6 mm) gap from the wall. (See figure 3.)
9. Slide the key holes in the unit over the top screw heads. (See figure 4.)
10. Insert bottom screws with washers and then tighten all screws.
11. Make sure drip tray is secure to install optional drainage hose, cut off top of the hose fitting on the bottom drip tray and insert drip tray tube. (See Figure 6).

Figure 1 • Figura 1

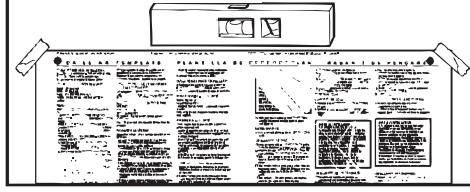


Figure 2 • Figura 2

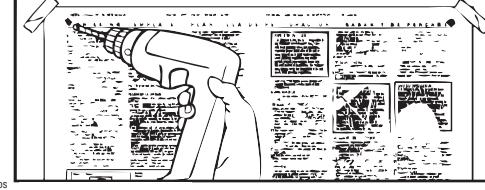


Figure 4 • Figura 4

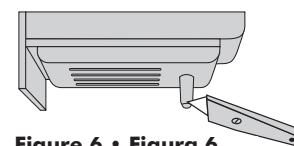
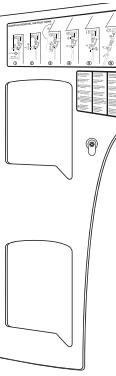


Figure 6 • Figura 6

## HERRAMIENTAS QUE SE REQUIEREN PARA LA INSTALACIÓN

- Destornillador de cabeza Phillips
- Taladro y broca de 8 mm (5/16")
- Lápiz
- Nivel
- Cinta de medir
- anteojos de protección
- Guantes de goma

## REQUERIMIENTOS DE ESPACIO POR UNIDAD

Altura – 62 cm (24.25 pulg.)  
 Ancho – 47 cm (18.5 pulg.)  
 Profundidad – 19 cm (7.5 pulg.)  
 Peso (con producto instalado) – 16 kg (45 lb)

## COLGANDO LA UNIDAD

Inspeccione el local o área y escoja la superficie de una pared que:

- sea capaz de sostener una carga de 16 kg (45 lbs.);
- esté libre de instalaciones empotradas tales como tuberías de agua o cables eléctricos;
- esté a una distancia de 1,22 metros (4 pies) del suministro de agua que tiene una presión de 170 a 580 kPa (30-85 PSI), un volumen mínimo de 7,6 l/min (2.0 gal./min.) y una temperatura entre 4 y 49°C (40-120°F).
- se ubique a una distancia de 1,8 metro (6 pies) de un sumidero o fregadero. Si no hay sumidero en el suelo, vacíe el producto en una cubeta.

1. Coloque la unidad contra la pared para determinar la altura de montaje. Idealmente, la base de la unidad debe estar a 120 cm (48 pulgadas) de separación del piso.
2. Marque 4 puntos para los tornillos de montaje mediante cuatro agujeros en la parte posterior de la unidad (mínimo 168 cm / 66 pulgadas del piso a los dos agujeros superiores).
3. Coloque en posición la plantilla para taladrar encima de los puntos marcados en la pared.
4. Ajuste la plantilla de modo que quede en el centro y nivelada con la pared (Véase dibujo 1).
5. Asegure la plantilla a la pared con un pedazo de cinta adhesiva.
6. Taladre los cuatro agujeros (Véase dibujo 2).
7. Presione un fijador dentro de cada agujero (de ser necesario) (Véase dibujo 3).
8. Coloque un tornillo sin arandela en cada fijador superior y apriete los tornillos, dejando un espacio de 6 mm (1/4 pulg.) desde la pared. (Véase figura 3)
9. Deslice los agujeros guías en la unidad sobre las cabezas de los tornillos superiores. (Véase figura 4)
10. Inserte los tornillos interiores con arandela y luego apriete todos los tornillos.
11. Asegúrese de que la bandeja para goteos esté sujetada a fin de instalar la manguera de desagüe opcional; corte la parte superior de la conexión de la manguera a la bandeja para goteos. Inserte la bandeja para goteos. (Véase figura 6)

## OUTILS REQUIS POUR L'INSTALLATION

- Tournevis à tête carrée
- Perceuse et mèche de 8 mm (5/16")
- Crayon
- Niveau
- Ruban à mesurer
- Lunettes de protection
- Gants en caoutchouc

## ESPACE REQUIS POUR L'UNITÉ

Hauteur – 62 cm  
 Largeur – 47 cm  
 Profondeur – 19 cm  
 Poids (avec du produit installé) – 16 kg

## SUSPENSION DE L'UNITÉ

Revoir l'espace dans la pièce ou l'aire et choisir une surface murale qui soit :

- capable de supporter une charge de 16 kg (45 lbs.);
- sans installations cachées comme les tuyaux d'eau ou le câblage électrique;
- à une distance de 1,22 mètre ou moins d'une sortie d'eau fournit une pression d'eau entre 170 et 580 kPa, un volume minimal de 7,6 l/min et une température entre 4° et 49° C.
- à une distance de 1,8 mètres d'un tuyau d'évacuation au sol ou d'un évier. S'il n'y a pas d'évier, faire le vidange dans un seau.

1. Tenir l'unité contre le mur afin de déterminer la hauteur de l'installation. Idéalement, le bas de l'armoire devrait se situer à 120 cm (48 po) au-dessus du sol.
2. Marquer 4 points pour la position des vis de montage à travers les 4 trous dans l'arrière de l'appareil (les trous du haut se trouvant à 168 cm/66 po au minimum à partir du sol).
3. Positionner le gabarit de perçage par-dessus les points marqués sur le mur.
4. Régler la position du gabarit afin qu'il soit centré et nivelé sur le mur (voir la figure 1).
5. Fixer le gabarit au mur avec un morceau de ruban adhésif.
6. Percer les quatre trous (voir la figure 2).
7. Insérer une cheville dans chacun des trous (selon le besoin) (voir la figure 3).
8. Insérer une vis sans rondelle dans chacune des chevilles supérieures et resserrer les vis, en laissant un entrefer de 6 mm à partir du mur (Voir la Figure 3).
9. Faire glisser les trous de guidage de l'armoire par-dessus la tête des vis. (Voir la figure 4.)
10. Insérer les vis inférieures avec rondelle puis resserrer toutes les vis.
11. S'assurer que l'égouttoir est bien fixé en place pour recevoir le tube d'évacuation facultatif. Trancher la partie supérieure du raccord sur l'égouttoir, puis y insérer le tube d'évacuation.

Figure 3 • Figura 3

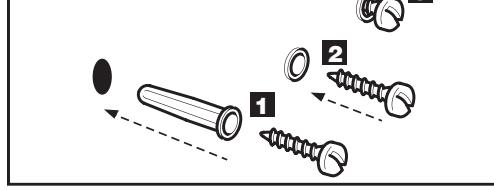
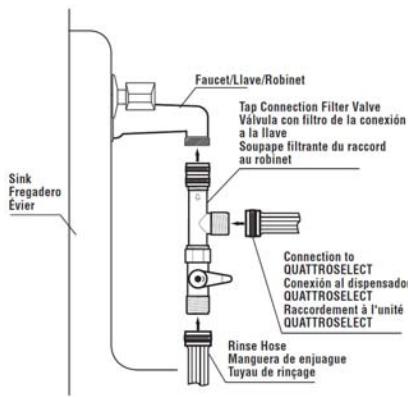


Figure 5 • Figura 5



## REFORACIÓN • GABARIT DE PERÇAGE

## WATER HOOK-UP

## NOTICE TO INSTALLER

Diversey is not responsible to any distributor or customer for compliance with local plumbing codes and regulations regarding proper installation of the unit or cross connections to public water supplies. Local plumbing regulations may require a particular backflow prevention device or a different method of installation. The customer must always verify that installation of the unit meets local plumbing regulations.

1. Attach Filter Valve with water in-let hose to water supply (see figure 5).
2. Refer to the "Notice to Installer" (in box above) for local plumbing code compliance.
3. If a Flo-Thru unit is needed to help ensure that the water leading to the unit is turned off after use, please call 1-800-492-4422.

## INSTALLATION OF PRODUCTS

- 1 Open the doors with the key and place the bottles inside the dispenser with main labels toward you.
- 2 Remove the caps from the bottles and tighten the caps containing the feed tubes onto the bottles.
- 3 Turn on water supply at the sink.
- 4 Turn selector valve to point at a product. Activate the bucket fill gun to prime the chemical feed line, waiting two seconds to fill the feed line.
- 5 Turn selector to the rinse position (at "6 o'clock" or pointing straight down) and dispense water for two seconds to flush the unit.
- 6 Turn selector valve to next product and repeat for each product.
- 7 Close the covers and lock the unit.

## OPERATION

The unit is now ready for use. To dispense products, follow these 4 easy steps:

1. Select Product. Rotate the yellow selector knob so it points to the product desired. Be sure it "clicks" into position.
2. To Fill Bottle. Place filling tube securely into the neck of the bottle. Use base of bottle to push yellow activation lever which initiates product flow. Release activation lever when bottle is full.
3. To Fill Bucket or Auto-Scrubber, use the yellow remote filling hose gun. When the end of the tube is securely into tank or bucket, squeeze the gun to initiate product flow. When desired fill level is reached, release handle to stop product flow. The remote fill gun can be clipped onto the side of most buckets... be sure that it is stable before releasing your hand. The remote gun can be locked on by sliding the ring over the depressed lever. Reverse this process to make sure hose drains all product released.
4. Rinse unit between uses to help alleviate potential product cross contamination. Rinse feature can also be used for obtaining non-potable rinse water through the unit.

## Drip Tray:

Excess product that falls into the the drip tray can be disposed in 2 different ways:

1. When full, it can be removed, emptied and replaced.
2. A drain tube can be added to the bottom of the drip tray by cutting off the barb and attaching the tube. Run tube to appropriate drain. (See figure 6.)

## SERVICING INFORMATION

For additional information or assistance, please contact your Diversey representative, or call 1-800-558-2332.

## CONEXIÓN DE AGUA

## AVISO AL INSTALADOR

Diversey no se hace responsable ante los distribuidores o ante los clientes por el obedecimiento a los códigos y regulaciones locales de plomería con respecto al modo apropiado de instalación de la unidad o de las conexiones vinculadas con el suministro de agua público. Las regulaciones locales de plomería pueden requerir dispositivos adicionales de prevención de retroflejo o diferentes métodos de instalación. El cliente siempre debe verificar que la instalación de la unidad siga las regulaciones locales de plomería.

1. Conecte la válvula con filtro y la manguera de admisión de agua al suministro de agua. (Véase figura 6)
2. Remítase al Aviso al Instalador (en la caja por arriba) para asegurar el obedecimiento a los códigos locales de plomería.
3. Si se requiere un dispositivo Flo-Thru para ayudar a asegurar que el agua de admisión esté apagada después del cada uso, llame por favor al 1-800-492-4422.

## INSTALACIÓN DE LOS PRODUCTOS

- 1 Abra las puertas con la llave y coloque las botellas dentro del dispensador con las etiquetas principales mirando hacia usted.
- 2 Quite las tapas de las botellas. Enrosque las tapas de color de los tubos de alimentación sobre las botellas.
- 3 Abra el suministro de agua de la piletita de lavar.
- 4 Gire la válvula selectora para que apunte hacia el producto deseado. Active la pistola para llenar cubetas a fin de cebar el tubo de alimentación; espere dos segundos para que el tubo de alimentación se llene.
- 5 Gire el selector hacia la posición (at "6 o'clock" or pointing straight down) de enjuague y distribuya el agua durante dos segundos para limpiar con una descarga de agua la unidad.
- 6 Gire la válvula del selector hacia el próximo producto y repita la operación para cada producto.
- 7 Cierre la cubierta y trabe la unidad.

## FUNCIONAMIENTO

Ahora la unidad está lista para usarse. Para la distribución de productos, siga estos 4 pasos fáciles:

1. Seleccione el producto. Gire el botón selector amarillo para que apunte hacia el producto deseado. Asegúrese de que se trabe en su lugar.
2. Para llenar botellas: Inserte el tubo de llenado firmemente en el cuello de la botella. Use la base de la botella para presionar la palanca de activación de color amarillo, que provoca el flujo de producto. Suelte la palanca de activación una vez que la botella está llenada.
3. Para llenar cubetas o máquinas talladoras: Use la pistola de llenado de color amarillo. Cuando el extremo del tubo se haya insertado firmemente en el tanque o cubeta, exprime la pistola para provocar el flujo de producto. Cuando se alcance el nivel de llenado deseado, suelte el gatillo de la pistola para cortar el flujo de producto. La pistola de llenado puede ser sujetada al lado de la mayoría de cubetas; asegúrese de que esté firmemente en su lugar antes de soltar el gatillo de la pistola.
4. Enjuague la unidad después de cada uso para ayudar a prevenir toda intercontaminación potencial de los productos. La función de enjuague se utiliza también para obtener agua de enjuague no potable con la unidad.

## Bandeja para Goteos:

Hay 2 maneras diferentes para eliminar el exceso de producto que cae en la bandeja para goteos:

1. Retire y vacíe la bandeja para goteos llenada, y luego regresela a su lugar.
2. Sujete un tubo de vaciado al fondo de la bandeja para goteos cortando la lengüeta y conectando el tubo. Tienda el tubo al desague apropiado. (Véase figura 6)

## INFORMACIÓN SOBRE LOS SERVICIOS

Para obtener información adicional o asistencia, haga el favor de ponerse en contacto con su representante de Diversey o llame al teléfono: 1-800-558-2332.

## RACCORDEMENT À LA PRISE D'EAU

## AVIS À L'INSTALLATEUR

Diversey ne peut être tenue responsable face aux distributeurs ou aux clients en ce qui concerne la conformité aux codes de plomberie ou aux règlements municipaux gérissant l'installation correcte de l'unité ou la connexion aux canalisations d'eau publiques. Il est possible que les règlements de plomberie de la municipalité exigent l'installation de dispositifs d'antirefoulement supplémentaires ou d'autres techniques d'installation. Il incombe au client de toujours vérifier que l'installation de l'unité se conforme aux règlements de plomberie municipaux.

1. Raccorder la soupape filtrante avec tuyau d'admission de l'eau (Voir la Figure 5).
2. Se reporter à l'Avis à l'installateur (dans l'encart ci-dessus) quant à la conformité au Code de plomberie municipal.
3. Si la pose d'un dispositif Flo-Thru s'avère nécessaire pour assurer que l'alimentation en eau est coupée, prière de composer le 1-800-492-4422.

## INSTALLATION DES PRODUITS

- 1 Ouvrir les portes avec la clé et mettre les bouteilles à l'intérieur de la distributrice, les étiquettes face à soi-même.
- 2 Enlever les capuchons des bouteilles et visser les capuchons des tubes d'alimentation sur les bouteilles.
- 3 Ouvrir l'eau à l'évier.
- 4 Tourner la soupape de sélection pour qu'elle pointe à un produit. Activer le mécanisme de remplissage de seaux afin d'amorcer le tube d'alimentation en produit chimique; attendre deux secondes pour que le tube d'alimentation soit rempli.
- 5 Tourner la soupape de sélection à la position (at "6 o'clock" or pointing straight down) et distribuer l'eau pendant deux secondes pour rincer l'appareil.
- 6 Tourner la soupape de sélection pour choisir le prochain produit et répéter pour chaque produit à utiliser.
- 7 Fermer le couvercle et verrouiller l'unité.

## FONCTIONNEMENT

L'unité est maintenant prête à utiliser. Pour la distribution des produits, suivre ces quatre étapes faciles :

1. Sélectionner le produit. Tourner la pomme de sélection jaune pour qu'elle pointe au produit désiré. S'assurer qu'elle tombe en position avec un déclic.
2. Pour remplir les bouteilles : Insérer le tube de remplissage fermement dans le goulot de la bouteille. Utiliser la base de la bouteille pour presser le levier d'activation jaune, lequel amorce le débit de produit. Lâcher le levier d'activation une fois que la bouteille est remplie.
3. Pour remplir les seaux ou l'autorécuréeuse : Utiliser le pistolet de remplissage jaune. Une fois que l'extrémité du tube est fermement insérée dans le réservoir ou le seau, presser le pistolet afin d'amorcer le débit de produit. Après avoir atteint le niveau désiré, lâcher le levier pour couper le débit de produit.

Le pistolet peut être attaché au côté de la plupart des seaux... il s'agit de s'assurer qu'il est en position stable avant de lâcher prise.

On peut bloquer le pistolet en position en faisant glisser l'anneau par-dessus le levier abaissé. Inverser le processus afin de s'assurer que le tuyau vidange tout le produit distribué.

4. Rincer l'unité entre utilisations afin d'empêcher toute intercontamination potentielle des produits. Cette fonction de rinçage peut aussi servir à distribuer de l'eau de rinçage non potable avec l'unité.

## Égouttoir :

On peut assurer l'élimination du produit excédentaire qui tombe dans l'égouttoir de deux façons différentes :

1. Une fois rempli, on peut l'enlever, le vider et le remettre en place.
2. On peut ajouter un tube d'évacuation au fond de l'égouttoir en coupant l'ardillon et en raccordant le tube. Filer le tube au tuyau approprié. (Voir la Figure 6.)

## RENSEIGNEMENTS SUR L'ENTRETIEN

Pour obtenir des renseignements supplémentaires ou de l'aide, veuillez consulter votre représentant Diversey ou composer le 1-800-558-2332.

## WARRANTY

The QuattroSelect™ dispenser, except for hoses, is warranted against defective material and workmanship for one year from date of purchase. This warranty excludes failure caused by physical abuse.

The QuattroSelect™ dispenser is designed for use with Diversey products only. Use of other products may be hazardous and will void warranty. Non-Diversey products cannot be used in this unit.

### DIVERSEY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

## GARANTÍA

Excepto las mangueras, el dispensador QuattroSelect™ tiene garantía de un año contra defectos del material y manufactura a partir de la fecha de adquisición. Esta garantía excluye defectos causados por maltrato físico del equipo.

El dispensador QuattroSelect™ está diseñado para ser usado sólo con productos de Diversey. El empleo de otros productos puede resultar peligroso y anulará la garantía. No se pueden usar con esta unidad productos otros que productos marca Diversey.

DIVERSEY EXCLUYE TODA GARANTÍA DE COMERCIABILIDAD O CONVENIENCIA PARA UN FIN EN PARTICULAR.

## GARANTIE

La distributrice QuattroSelect™, à l'exception des tuyaux, est garantie pour un an à compter de la date d'achat contre toute défectuosité et tout vice de fabrication. Cette garantie exclut les pannes causées par les abus physiques du système.

La distributrice QuattroSelect™ est conçue pour être utilisée uniquement avec des produits de Diversey. L'utilisation d'autres produits peut être dangereuse et annulera la présente garantie. Il ne faut pas utiliser des produits autres que ceux de marque Diversey dans cette distributrice.

DIVERSEY DÉSAVOUTE TOUTE GARANTIE QUANT AU CARACTÈRE COMMERCIALISABLE DU PRODUIT OU À SON UTILISATION APPROPRIÉE À DES FINS PARTICULIÈRES.

## TROUBLESHOOTING & REPAIR GUIDE • GUÍA PARA LA RÁPIDA SOLUCIÓN DE PROBLEMAS Y REPARACIÓN

### PROBLEM • POSSIBLE CAUSE • SOLUTION

#### 1. PROBLEM: No solution discharge

- Water supply turned off at the source
  - *Open water supply*

#### 2. PROBLEM: No concentrate draw

- Concentrate bottle is empty
  - *Replace container*

b. Water pressure and flow from the water supply is less than 30 PSI (170 kPa) and 2.0 GPM (7.6 L per minute)

- *Increase water pressure and flow from supply*

c. Chemical feed line is not secure on both ends

- *Secure feedline on both ends*

d. Chemical feed line is pinched or twisted

- *Straighten feed line*

e. Concentrate bottle overcap is loose

- *Tighten overcap until snug*

f. Concentrate will draw with the same bottle from a different position

- *Turn selector and try again*

g. Wrong product being discharged

- *Check selector for product selection*

#### 3. PROBLEM: Chemical feedline not holding prime

- Check valve is not working properly

- *Replace chemical feed line assembly and make sure the ring and feedline matches the color indicated on the back of the cabinet*

#### 4. PROBLEM: If unit still does not function properly

- *Remove and replace Eductor assembly (see instructions on unit). Replacement parts to Eductor Assembly kits available. Contact your Diversey representative.*

### PROBLEMA • CAUSA POSIBLE • SOLUCIÓN

#### 1. PROBLEMA: No se puede descargar la solución

- Se cerró el suministro de agua de la toma.

- *Abrir el suministro de agua.*

#### 2. PROBLEMA: El concentrado no pasa al sistema

- La botella del concentrado está vacía.

- *Reemplazar el recipiente.*

b. La presión de agua y el flujo de agua son inferiores a 170 kPa (30 libras por pulgada cuadrada) y a 7.6 L (2 galones) por minuto respectivamente.

- *Incrementar la presión de agua y de flujo proveniente del suministro.*

c. El tubo de alimentación del producto químico no está bien fijado a ambos extremos.

- *Fijar las extremidades del tubo de alimentación del producto químico.*

d. El tubo de alimentación del producto químico está horadado o torcido.

- *Enderezar el tubo de alimentación.*

e. La tapa de la botella del concentrado no está bien cerrada.

- *Cerrar bien la tapa.*

f. Es posible bombejar el producto concentrado con la misma botella desde una posición diferente.

- *Remplazar el mecanismo de descarga.*

g. Se descarga el producto incorrecto.

- *Revise el selector para la selección del producto.*

#### 3. PROBLEMA: El tubo de alimentación del producto químico pierde presión después de cebarse

a. La válvula de retención no está trabajando correctamente.

- *Reemplace el tubo de alimentación de producto químico y asegúrese de que el color de la anilla y tubo de alimentación correspondan a aquello indicado en la parte posterior del armario.*

#### 4. PROBLEMA: Si la unidad continúa funcionando mal

- *Quite y reemplace el dispositivo de descarga (véanse las instrucciones sobre la unidad). Se hallan disponibles juegos de dispositivos de descarga de repuesto. Comuníquese con su representante Diversey.*

## TROUBLESHOOTING & REPAIR GUIDE • GUÍA PARA LA RÁPIDA SOLUCIÓN DE PROBLEMAS Y REPARACIÓN

### PROBLEME • CAUSE POSSIBLE • SOLUTION

#### 1. PROBLÈME : Pas de décharge de solution

- La alimentation d'eau est fermée à la source.

- *Ouvrir l'alimentation d'eau.*

#### 2. PROBLÈME : Refoulement du concentré dans le système

- La bouteille de concentré est vide.

- *Remplacer le contenant.*

b. La pression d'eau et le débit d'eau sont inférieurs à 170 kPa (30 lb/po<sup>2</sup>) et à 7.6 L/min (2.0 gal./min) respectivement.

- *Augmenter la pression d'eau et le débit d'eau à partir de la source.*

c. Le tube d'alimentation de produit chimique n'est pas fixé aux deux extrémités.

- *Bien fixer les extrémités du tube d'alimentation de produit chimique.*

d. Le tube d'alimentation de produit chimique est pincé ou torcé.

- *Dresser le tube d'alimentation.*

e. Le capuchon de la bouteille de concentré est mal serré.

- *Bien serrer le capuchon.*

f. Il est possible de pomper du produit concentré à partir d'une bouteille dans une position différente.

- *Remplacer le mécanisme de décharge.*

g. Le mauvais produit est distribué.

- *Vérifier la soupape de sélection pour le choix de produit.*

#### 3. PROBLÈME : Le tube d'alimentation perd de la pression après l'amorçage

- La soupape d'arrêt ne fonctionne pas correctement.

- *Remplacer l'ensemble de tube d'alimentation de produit chimique;*

*s'assurer que la couleur de l'anneau et du tube d'alimentation correspondent à la couleur indiquée sur l'arrière de l'armoire.*

#### 4. PROBLÈME : L'unité ne fonctionne pas toujours convenablement

- *Enlever et remplacer le dispositif d'échappement (voir les instructions sur l'unité). On peut obtenir des trousseaux de montage du dispositif d'échappement supplémentaires. Communiquez avec votre représentant Diversey.*

QUESTIONS? CALL  
1-800-558-2332

¿PREGUNTAS? LLAME AL  
1-800-558-2332

QUESTIONS? COMPOSER LE  
1-800-558-2332



ORDER LIST

0

NO. 823 CART, CLEANING

HOME > CLEANING > CLEANING CARTS & ACCESSORIES >  
JANITORIAL CLEANING CARTS WITH BINS - HIGH-CAPACITY

**EXECUTIVE SERIES:**

No

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1

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Where To Buy

**JANITORIAL CLEANING CART WITH BINS - HIGH-CAPACITY**

SKU: FG9T7300BLA

The Rubbermaid Commercial High-Capacity Janitorial Cleaning Cart with Bins is a complete system solution for your cleaning needs.

- 40% more storage space than traditional carts minimizes trips for additional supplies and maximizes staff productivity.
- Mop bucket platform with securing grooves keeps WaveBrake® or microfiber charging buckets securely attached to cart.
- Durable 8" ball bearing wheels and quiet 4" casters makes maneuverability easy and quiet for workers.
- 30-quart removable bins offer more organization and the ability to prestock cleaning supplies for the upcoming shift.
- Interchangeable handles and removable platform allow user to easily expand or reduce the footprint of the cart to meet specific cleaning and storage needs.

## DETAILS

Rubbermaid Commercial Products High-Capacity Janitorial Cleaning Cart provides removable storage bins that offers more storage organization while leaving room for customization.

### Features and Benefits:

- 40% more storage space than traditional carts minimizes trips for additional supplies and maximizes staff productivity.
- Mop bucket platform with securing grooves keeps WaveBrake® or microfiber charging buckets securely attached to cart.
- Durable 8" ball bearing wheels and quiet 4" casters makes maneuverability easy and quiet for workers.
- 30-quart removable bins offer more organization and the ability to prestock cleaning supplies for the upcoming shift.
- Interchangeable handles and removable platform allow user to easily expand or reduce the footprint of the cart to meet specific cleaning and storage needs.
- Rubber tool grips and hooks securely hold up to 5 stick goods, while hooks hold up to 4 safety signs.
- Expansive storage space with removable bins and caddies let staff restock before they clean, increasing productivity by eliminating search time for additional supplies.
- Compact size fits great in space-constrained areas; with a high capacity-to-footprint ratio, only 22" wide.

## SPECIFICATIONS

|                          | U.S.           | Metric    |
|--------------------------|----------------|-----------|
| Product Packaging Length | 49.75 in       | 126.37 cm |
| Product Packaging Width  | 22.29 in       | 56.62 cm  |
| Product Packaging Height | 44.13 in       | 112.08 cm |
| Product Packaging Weight | 55.00 lb       | 24.95 kg  |
| UPC                      | 00086876180589 |           |
| Case Pack Length         | 22.88 in       | 58.10 cm  |
| Case Pack Width          | 39.50 in       | 100.33 cm |
| Case Pack Height         | 25.88 in       | 65.72 cm  |
| Case Pack Weight         | 60.00 lb       | 27.27 kg  |
| UCC                      | 00086876180589 |           |
| Case Pack Quantity       | 1              |           |
| Color                    | Black          |           |
| Material Type            | Plastic        |           |
| Country of Origin        | USA            |           |

## DOCUMENTS

Assembly Instructions



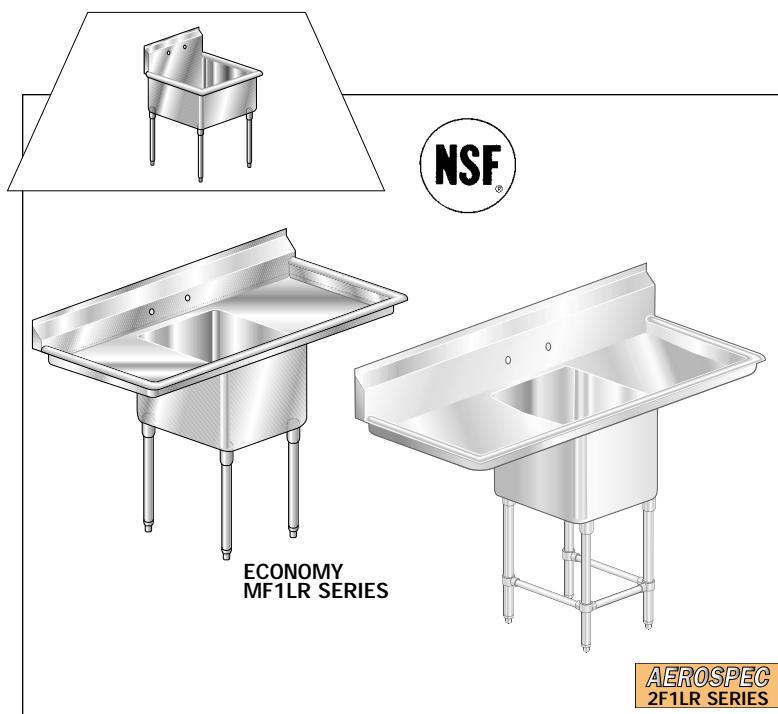
## RELATED PRODUCTS

Need Help? **800-347-9800**



# NSF SINKS

## F1LR SERIES, One Compartment with Two Drainboards



### NO. 825 TABLE, WORK, STAINLESS STEEL

| Quantity        | ECONOMY<br>MF1<br>Model # | DELUX<br>3F1<br>Model # | AEROSPEC<br>2F1<br>Model # |
|-----------------|---------------------------|-------------------------|----------------------------|
| <b>21" WIDE</b> |                           |                         |                            |
| —               | MF1-2116-18LR             | 3F1-2116-18LR           | 2F1-2116-18LR              |
| —               | MF1-2116-24LR             | 3F1-2116-24LR           | 2F1-2116-24LR              |
| —               | MF1-2116-30LR             | 3F1-2116-30LR           | 2F1-2116-30LR              |
| —               | MF1-2116-36LR             | 3F1-2116-36LR           | 2F1-2116-36LR              |
| <b>20" WIDE</b> |                           |                         |                            |
| —               | MF1-2020-20LR             | 3F1-2020-20LR           | 2F1-2020-20LR              |
| —               | MF1-2020-24LR             | 3F1-2020-24LR           | 2F1-2020-24LR              |
| —               | MF1-2020-30LR             | 3F1-2020-30LR           | 2F1-2020-30LR              |
| —               | MF1-2020-36LR             | 3F1-2020-36LR           | 2F1-2020-36LR              |
| <b>24" WIDE</b> |                           |                         |                            |
| —               | MF1-2418-18LR             | 3F1-2418-18LR           | 2F1-2418-18LR              |
| —               | MF1-2418-24LR             | 3F1-2418-24LR           | 2F1-2418-24LR              |
| —               | MF1-2418-30LR             | 3F1-2418-30LR           | 2F1-2418-30LR              |
| —               | MF1-2418-36LR             | 3F1-2418-36LR           | 2F1-2418-36LR              |
| <b>24" WIDE</b> |                           |                         |                            |
| —               | MF1-2424-18LR             | 3F1-2424-18LR           | 2F1-2424-18LR              |
| —               | MF1-2424-24LR             | 3F1-2424-24LR           | 2F1-2424-24LR              |
| —               | MF1-2424-30LR             | 3F1-2424-30LR           | 2F1-2424-30LR              |
| —               | MF1-2424-36LR             | 3F1-2424-36LR           | 2F1-2424-36LR              |
| <b>30" WIDE</b> |                           |                         |                            |
| —               | MF1-3020-20LR             | 3F1-3020-20LR           | 2F1-3020-20LR              |
| —               | MF1-3020-24LR             | 3F1-3020-24LR           | 2F1-3020-24LR              |
| —               | MF1-3020-30LR             | 3F1-3020-30LR           | 2F1-3020-30LR              |
| —               | MF1-3020-36LR             | 3F1-3020-36LR           | 2F1-3020-36LR              |

### MATERIAL

#### BODY

- MF-16 gauge 304 stainless steel bowl, 430 body.
- 3F -16 gauge 304 stainless steel.
- 2F -14 gauge 304 stainless steel. (AEROSPEC)

#### LEGS

- 1 1/8" O.D. 16 gauge 304 series stainless steel tubing, complete with 1" adjustable impact resistant white metal feet.

### DESIGN FEATURES

- All sinks are fully cartoned.
- Easily assembled.
- Drainboards pitched 3/4" for positive drainage.

### EXCLUSIVE AERO SAFETY EDGE

- Sink hemmed on the roll and backsplash to eliminate cuts from rough edges.

### CONSTRUCTION

- **Exclusive 14" bowl depth on all models (consultant's spec).**
- **Custom style fabricated bowl for true gauge integrity.**
- All sinks have a 3/4" radius at all intersecting planes (consultant's spec).
- Stainless steel gusset is machine welded 360 deg. to a stainless steel triangular plate.
- Gusset plate is fully welded directly underneath the sink for support.
- Polished to a #4 blended finish.
- All sinks with drainboards 30" or longer equipped with 2 stainless steel 1 1/8" O.D. legs with stainless steel gussets and white metal feet.

### PLUMBING

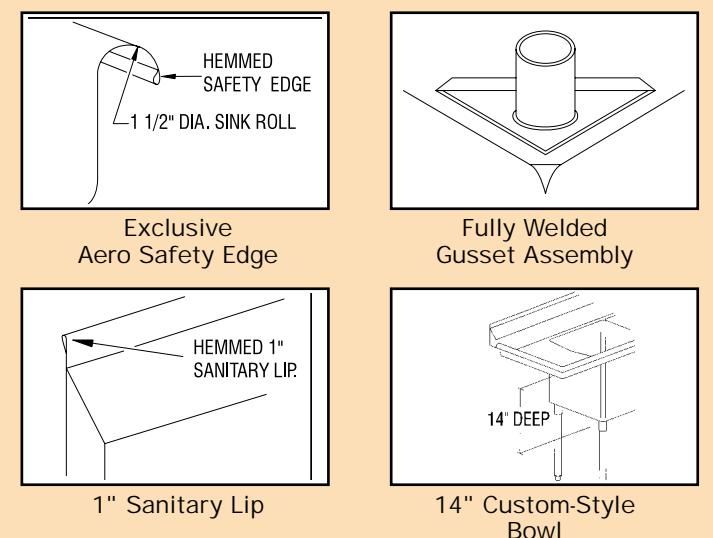
- Water supply is 1/2" hot and cold.
- Faucet holes are 8" o.c. (Faucets not included. See accessories).

### AEROSPEC

*Includes all of the above and the following:*

- Full 10" backsplash instead of standard 7".
- Stainless steel feet in lieu of white metal.
- Legs have stainless steel crossbracing with aluminum castings at all intersections.

## CUSTOM SIZES AVAILABLE



## CONSULTANT'S SPECS AT PRODUCTION PRICES

email - sales@aeromfg.com

AERO MANUFACTURING COMPANY • 310 ALLWOOD ROAD, CLIFTON, NEW JERSEY 07012 • VOICE 973.473.5300 FAX 973.473.3794

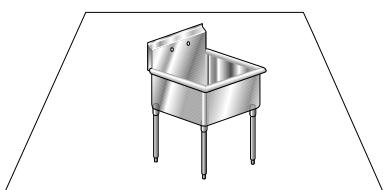
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Page F-8A



# DIMENSIONAL SPECIFICATIONS

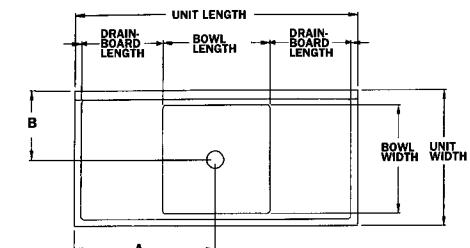
## F1LR SERIES, NSF Sinks, One Compartment, Two Drainboards



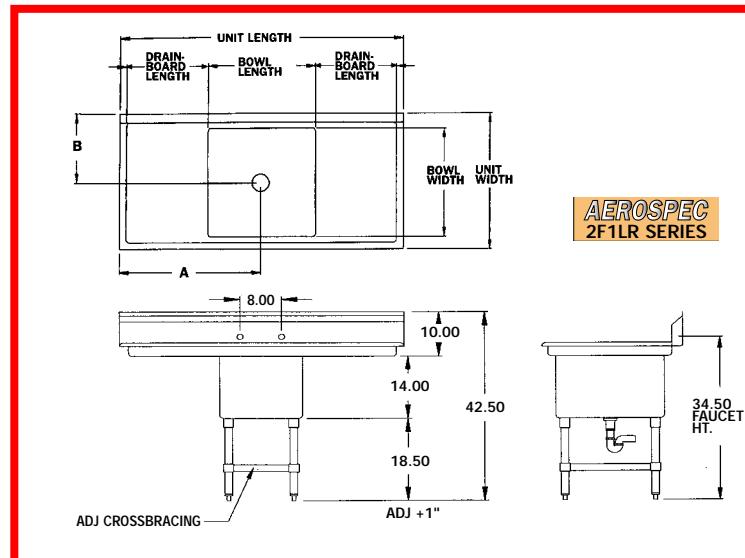
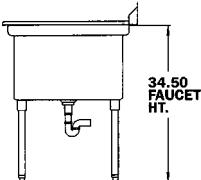
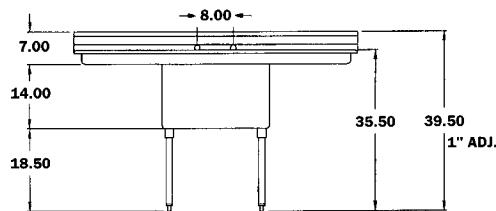
■ Supplied with stainless steel drain basket and strainer.



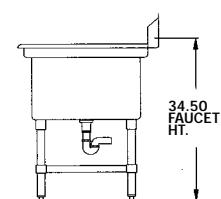
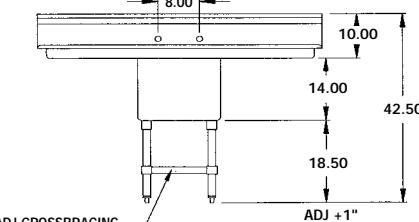
CUSTOM SIZE 30X18 (2F1-3020-18LR)



ECONOMY  
MF1LR SERIES



AEROSPEC  
2F1LR SERIES



| BOWL Width | BOWL Length | UNIT Width | UNIT Length | DRAIN BOARD Length | A Drain | B Drain | ECONOMY MF1 Model # | DELUX 3F1 Model # | AEROSPEC 2F1 Model # | Ship Weight | Cubic Feet | Sets, Faucet Holes |
|------------|-------------|------------|-------------|--------------------|---------|---------|---------------------|-------------------|----------------------|-------------|------------|--------------------|
|------------|-------------|------------|-------------|--------------------|---------|---------|---------------------|-------------------|----------------------|-------------|------------|--------------------|

### 21" WIDE

|    |    |    |    |    |      |       |               |               |               |     |    |     |
|----|----|----|----|----|------|-------|---------------|---------------|---------------|-----|----|-----|
| 21 | 16 | 27 | 57 | 18 | 27.5 | 13.75 | MF1-2116-18LR | 3F1-2116-18LR | 2F1-2116-18LR | 85  | 13 | ONE |
| 21 | 16 | 27 | 67 | 24 | 33.5 | 13.75 | MF1-2116-24LR | 3F1-2116-24LR | 2F1-2116-24LR | 90  | 15 | ONE |
| 21 | 16 | 27 | 79 | 30 | 39.5 | 13.75 | MF1-2116-30LR | 3F1-2116-30LR | 2F1-2116-30LR | 95  | 16 | ONE |
| 21 | 16 | 27 | 91 | 36 | 45.5 | 13.75 | MF1-2116-36LR | 3F1-2116-36LR | 2F1-2116-36LR | 100 | 18 | ONE |

### 20" WIDE

|    |    |    |    |    |      |       |               |               |               |     |    |     |
|----|----|----|----|----|------|-------|---------------|---------------|---------------|-----|----|-----|
| 20 | 20 | 26 | 63 | 20 | 31.5 | 13.25 | MF1-2020-20LR | 3F1-2020-20LR | 2F1-2020-20LR | 100 | 15 | ONE |
| 20 | 20 | 26 | 71 | 24 | 35.5 | 13.25 | MF1-2020-24LR | 3F1-2020-24LR | 2F1-2020-24LR | 105 | 17 | ONE |
| 20 | 20 | 26 | 83 | 30 | 41.5 | 13.25 | MF1-2020-30LR | 3F1-2020-30LR | 2F1-2020-30LR | 110 | 19 | ONE |
| 20 | 20 | 26 | 95 | 36 | 47.5 | 13.25 | MF1-2020-36LR | 3F1-2020-36LR | 2F1-2020-36LR | 115 | 21 | ONE |

### 24" WIDE

|    |    |    |    |    |      |       |               |               |               |     |    |     |
|----|----|----|----|----|------|-------|---------------|---------------|---------------|-----|----|-----|
| 24 | 18 | 30 | 59 | 18 | 28.5 | 13.75 | MF1-2418-18LR | 3F1-2418-18LR | 2F1-2418-18LR | 95  | 13 | ONE |
| 24 | 18 | 30 | 69 | 24 | 34.5 | 13.75 | MF1-2418-24LR | 3F1-2418-24LR | 2F1-2418-24LR | 100 | 15 | ONE |
| 24 | 18 | 30 | 81 | 30 | 40.5 | 13.75 | MF1-2418-30LR | 3F1-2418-30LR | 2F1-2418-30LR | 105 | 17 | ONE |
| 24 | 18 | 30 | 93 | 36 | 46.5 | 13.75 | MF1-2418-36LR | 3F1-2418-36LR | 2F1-2418-36LR | 110 | 19 | ONE |

### 24" WIDE

|    |    |    |    |    |      |       |               |               |               |     |    |     |
|----|----|----|----|----|------|-------|---------------|---------------|---------------|-----|----|-----|
| 24 | 24 | 30 | 63 | 18 | 31.5 | 15.25 | MF1-2424-18LR | 3F1-2424-18LR | 2F1-2424-18LR | 105 | 17 | ONE |
| 24 | 24 | 30 | 75 | 24 | 37.5 | 15.25 | MF1-2424-24LR | 3F1-2424-24LR | 2F1-2424-24LR | 110 | 19 | ONE |
| 24 | 24 | 30 | 87 | 30 | 43.5 | 15.25 | MF1-2424-30LR | 3F1-2424-30LR | 2F1-2424-30LR | 115 | 21 | ONE |
| 24 | 24 | 30 | 99 | 36 | 49.5 | 15.25 | MF1-2424-36LR | 3F1-2424-36LR | 2F1-2424-36LR | 120 | 23 | ONE |

### 30" WIDE

|    |    |    |    |    |      |       |               |               |               |     |    |     |
|----|----|----|----|----|------|-------|---------------|---------------|---------------|-----|----|-----|
| 30 | 20 | 36 | 63 | 18 | 31.5 | 18.25 | MF1-3020-20LR | 3F1-3020-20LR | 2F1-3020-20LR | 115 | 18 | ONE |
| 30 | 20 | 36 | 71 | 24 | 35.5 | 18.25 | MF1-3020-24LR | 3F1-3020-24LR | 2F1-3020-24LR | 120 | 21 | ONE |
| 30 | 20 | 36 | 83 | 30 | 41.5 | 18.25 | MF1-3020-30LR | 3F1-3020-30LR | 2F1-3020-30LR | 125 | 24 | ONE |
| 30 | 20 | 36 | 95 | 36 | 47.5 | 18.25 | MF1-3020-36LR | 3F1-3020-36LR | 2F1-3020-36LR | 130 | 26 | ONE |

All dimensions are typical (tol.  $\pm \frac{1}{2}$ "). • For Accessories and Options see pages FS-7A, FS-7B.  
email - sales@aeromfg.com

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**MX6101DHG**

**Full Size Metal Exchange Cart**

Hinged Doors with Glass Inserts. Also pictured:  
Suture Module, Locking six inch Metal Drawer,  
and three FifoGlide™ Catheter Modules.  
26"D x 45.12"W x 78"H

[Massmedicalstorage.com](http://Massmedicalstorage.com)

## Rubbermaid® Square Brute® Trash Can - 40 Gallon, Red



14% bigger. Large-capacity trash can fits neatly in corners and along walls.

- Heavy-duty plastic construction resists denting, bending and cracking.
- Molded-in handles nest securely for side-by-side use.
- USDA compliant. NSF certified.
- Use recommended [Clear](#) and [Black Liners](#).
- [Brute® Trash Can Lid](#) and [Dolly](#) available.

 [More Images](#)

| MODEL NO. | DESCRIPTION | SIZE<br>L x W x H | WT.<br>(LBS.) | PRICE EACH |      |      | ADD TO CART   |
|-----------|-------------|-------------------|---------------|------------|------|------|---|
|           |             |                   |               | 1          | 3    | 5+   |   |
| H-3493R   | 40 Gallon   | 23 x 23 x 29"     | 14            | \$64       | \$62 | \$60 | <input type="button" value="1"/> <input type="button" value="ADD"/> |

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## Rubbermaid® Square Brute® Trash Can Lid – 40 Gallon, Red



Snap-shut lid protects dry goods or seals trash.  
Controls odors.

- USDA compliant. NSF certified.
- Use with [40 Gallon Square Brute® Trash Can](#). Sold separately.

[Enlarge](#)

| MODEL NO. | DESCRIPTION | SIZE<br>L x W x H | WT.<br>(LBS.) | PRICE EACH |      |      | ADD TO CART   |
|-----------|-------------|-------------------|---------------|------------|------|------|---|
|           |             |                   |               | 1          | 3    | 5+   |   |
| H-3495R   | 40 Gallon   | 24 x 24 x 2"      | 4             | \$21       | \$20 | \$19 | <input type="button" value="1"/> <input type="button" value="ADD"/> |

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