A Focus on High Performance

## HexaLux™ Exam Light

STERIS

Brilliant. Powerful, Next-Generation LED Exam Light.

Experience the clear difference in coolness, comfort and natural color rendition inherent in pure, white LED light in your exam room. One light. Many possibilities.

Configured for Unlimited Clinical Applications

Its versatility in design includes five light intensity levels and configurations that mount to the ceiling, wall, rail or mobile unit. It's ideal for a multitude of rooms including exam room, birthing suite, or ICU.
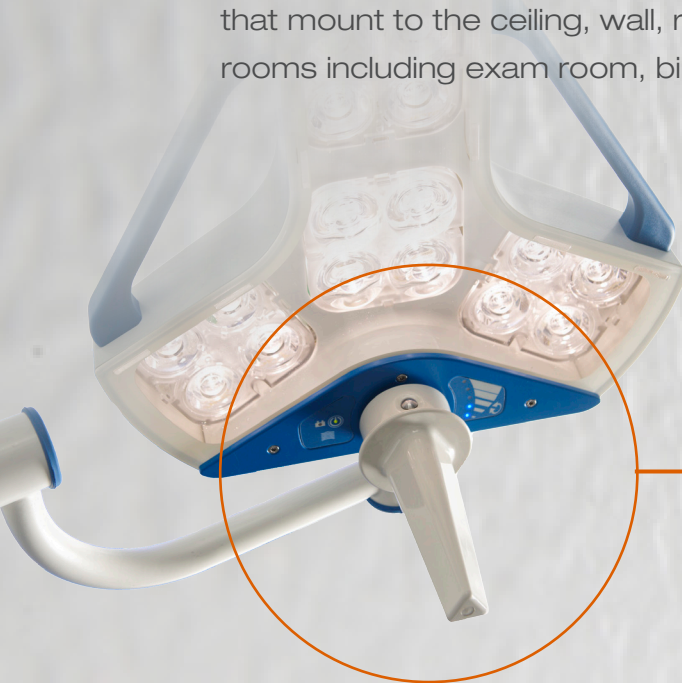
Sterilizable, Centrally Controlled Removable Handle

For simplified use by staff, all features are directly controlled from a central handle, which can be sterilized for use in minor surgical procedures.

- Turn light on or off
- Adjust light intensity
- Adjust light spot size

Further Customize Through Accessories

A convenient **shelf and basket** can be used for patient records, accessories, dressings, etc.

An optional **retractable power cord** eliminates cables on the floor.

Built to Last. And Last.

The trifecta has been accomplished; a **powerful,** high R9 value of 97, with a 65,000 Lux and long-lasting bulb life of up to 50,000 hours. With 16 LEDs its output provides an unmatched light source at a **competitive, affordable price.**

Easy Installation in Any Room Design

The modular design and partial assembly of the unit when it arrives, makes for quick installation and less room downtime.

Unlimited Clinical Applications

Flexibility in mounting and location within the room allow
for Customer Adaptability

Ceiling Mount System

Wall Mount System

Mobile Stand
* Available with or without
battery backup option

Technical Specifications

Features	HexaLux™ Exam Light
Light Intensity	Up to 65,000 Lux
Pattern Size	5.5" to 8.1" (14.0 to 20.5 cm)
Color Temperature	4,400 K (+/- 6%)
CRI (Color rendering index)	95 (+/- 6%)
R9	97 (+/- 6%)
Average LED Bulb Life	50,000 Hours

For more information, contact your STERIS representative
or visit www.steris.com.

STERIS

STERIS Corporation
5960 Heisley Road
Mentor, OH 44060-1834 · USA
800-548-4873
www.steris.com

APPLICATION

The HexaLux Examination Light, available in three configurations, is suitable for a broad range of applications including:

- Examination rooms
- Emergency rooms
- Plaster rooms
- Intensive Care Units
- Resuscitation units
- Suture rooms
- Induction and recovery rooms
- Neonatal units
- Pediatric department
- Maternity ward
- Morgue

The HexaLux Examination Light is intended for diagnostics offering variable field diameter and intensity, providing healthcare facilities staff with effective lighting for examination, treatment and emergency areas. The HexaLux Examination Light should only be used by qualified staff authorized to work in the healthcare facilities (hospitals, clinics).

This examination light shall be operated in a controlled environment by a professional familiar with appropriate techniques for such equipment. The HexaLux Examination Light is designed for examination rooms, emergency rooms, maternity wards, intensive care units, recovery rooms and all other diagnostic applications. The HexaLux Examination Light is a Class I medical device and is registered with French National Agency for Medicines and Health Product Safety (ANSM).

DESCRIPTION

The HexaLux Examination Light has an examination light range of approximately 10,000-65,000 Lux providing illumination suitable for examination, treatment and emergency procedures. The lighthead provides pure white and cool light.

The HexaLux Examination Light is available in three configurations to meet the needs of a wide variety of applications ranging from simple examinations to emergency procedures such as suturing, etc. Available configurations include ceiling mounted system, wall mounted system and mobile stand.

The lighthead features can be directly controlled by rotating the sterilizable handle, turning the light on and off, adjusting the light intensity and the illumination pattern size.

(Typical only - some details may vary.)

STANDARDS

The range of the HexaLux Examination Light has been designed in compliance with international medical electrical equipment regulations:

- CE marking according to EEC Directive 93/42
- UL marking medical equipment, with respect to electrical shock, fire and mechanical hazards only in accordance with:
  - » ANSI/AAMI ES60601-1 (2005) + AMD1 (2012)
  - » CAN/CSA-C22-2 NO. 60601-1 (2014)
  - » IEC 60601-1 (EN 60601-1)
  - » IEC 60601-2-41 (EN 60601-2-41)
  - » IEC 60601-1-2 (EN 60601-1-2)
  - » IEC 60601-1-6 (EN 60601-1-6)

FEATURES

The complete range of the examination light provides color-corrected, natural appearing white light with a color rendering index (CRI) of 95 (±6%), a rendering index of red tones (R9) of 97 (±6%), a rendering index of white tones (R13) of 97 (±6%) and a color temperature of 4,400 (±6%) Kelvin. The features of the HexaLux Examination Light are controlled directly at the sterilizable central handle: turning the light on or off, adjusting the illumination intensity and pattern size are managed by rotating the central handle. All lightheads dissipate heat away from the examination field for patient safety and healthcare team comfort.

Item _____

Location(s)_____

_____

SD1042 (08/01/16)

The single cardanic allows an adjustable pattern of light. The operator adjusts the pattern size by rotating the sterilizable lighthandle. The pattern sizes for the HexaLux Examination Light are adjustable from a diameter of 6.3" (16 cm)/5.5" (14 cm) to a diameter of 8" (20.5 cm)/7" (18 cm), measurements respectively realized at 1.0 and 0.85 meter. Illumination intensity can be adjusted from 10,000 (±10%) Lux/12,500 (±10%) Lux up to 50,000 (±10%) Lux/65,000 (±10%) Lux, measurements respectively realized at 1.0 and 0.85 meter. The lighthead has a span of 11.8" (30.5 cm) and contains 16 LEDs. The power consumption is 24 Watts and the life of the light diodes (at least 50,000 hours) ensure low operating costs by daily use of the light. In addition to the central handle to control and manipulate the lighthead, the lighthead includes two side handles providing a secure and comfortable grip. The lighthead yoke allows a 360° rotation.

HexaLux Examination Light is available in three configurations, ceiling mounted, wall mounted and mobile stand:

Ceiling-mounted configuration is suspended on a vertical tube. The horizontal extension arm slips onto the lower end of the vertical tube and is secured by an external retaining ring.

The upper end of the vertical tube is secured by set of heavy-duty setscrews to a ceiling plate. A canopy is furnished to conceal the mounting plate and power supply. The vertical tube may be cut to length to suit various ceiling heights. STERIS recommends a minimum ceiling height of 93.8" (2,382 mm) to maximum ceiling height of 122.6" (3,114 mm). The ceiling-mounted unit is equipped with a single 31.5" (800 mm) horizontal extension arm supporting a spring arm of 28.3" (720 mm) attaching the examination lighthead. This allows for an approximate 69" (1,752 mm) radial coverage area. The total weight of the ceiling-mounted configuration is 26.5 lb (12 kg). Torque 54.9 ft•lb/74.5 N•m.

Wall-mounted configuration is furnished with the same horizontal extension arm and spring arm used on the ceiling-mounted configuration. When not in use, the lighthead can be folded close to the wall to optimize space in the examination area. The total weight of the wall-mounted configuration is 19.4 lb (8.8 kg).Torque is 59.9 ft•lb/81.2 N•m.
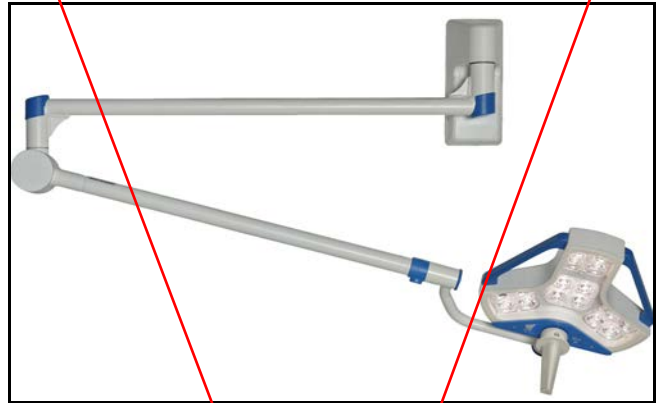
Mobile stand enables ambulatory use and is suitable for various applications. The mobile stand is available with an optional built-in battery. Both bases, with or without battery, have the same size – diameter of 24" (610 mm) and includes the base, vertical support tube, spring arm and lighthead. The system is supported by a small footprint and stable base with five lockable castors. The mobile stand height is 69" (1,753 mm). Both mobile stands, with or without battery option, include a power cord compliant to the selected country requirement. The mast has a support to store the power cord. The total weight of the mobile stand without batteries is 52.3 lb (23.7 kg) and is 56.3 lb (25.6 kg) for the mobile stand with batteries. Torque is 59•9 ft.lb/81.2 N•m.
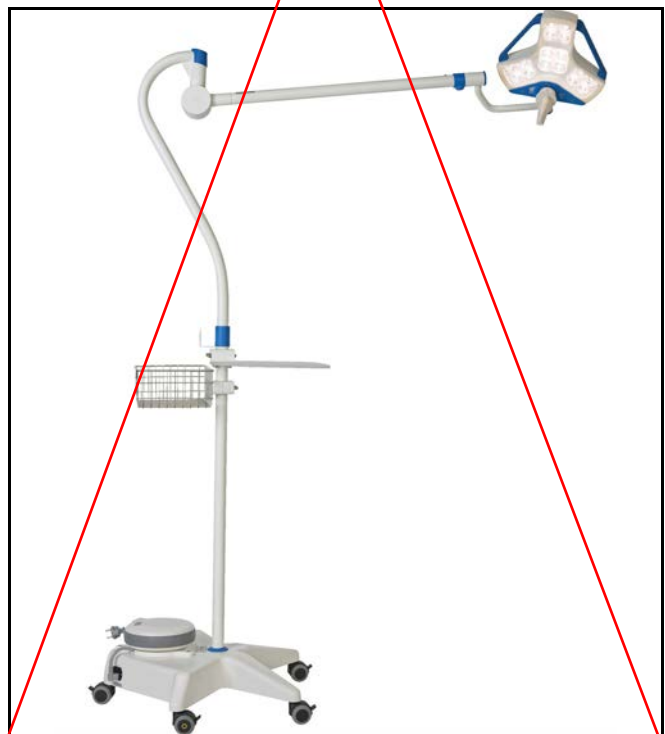
All configurations are delivered in a 41 x 31 x 9" (1040 x 800 x 240 mm) box.

2

CONSTRUCTION

The lighthead is constructed of lightweight and durable materials. The aluminum foundry cover offers excellent maneuverability and heat conduction. The lighthead optical system consists of multiple Light Emitting Diode (LED) light sources and optics.

OPTIONS

Mobile stand:

- Retractable power cord reel
- Batteries provide up to 6.5 hours of use during power outages
- Shelf
- Basket

120V

SUPPORT STRUCTURE

The ceiling and wall structure, installed by a third party prior to installing the examination light, must be level and must adequately support the examination lighting system configuration to be installed. Consult the equipment drawings for further details.

INSTALLATION

Installation and integration operations of the ceiling-mounted and wall-mounted systems should only be assigned to STERIS technicians or qualified technicians. For further information, refer to the equipment drawings.

Assembling the mobile stands can be done by users. Please refer to the mobile stand assembly instructions and equipment drawings.

STANDARD ACCESSORIES

The sterilizable handle is made of polyphenylsulfone (PPSU) and can be sterilized (refer to the user manual for sterilization instruction and compliance with national regulations for different countries).

UTILITY REQUIREMENTS

Electricity – The system is compatible with the following ratings:

- 100-240 Vac 50/60Hz (except for mobile stand with batteries: 50-60 Hz)
- 1-phase max. 104 VA (for mobile stand standard version)
- 1-phase max. 90 VA (for mobile stand with batteries)

Fuse accessible to operator:

- Mobile standard version: 2xT2.5A 250V PC1500A
- Mobile version with batteries: 2xT2.5A 250V PC1500A (mains)1x2.5A 250V PC1500A (batteries)
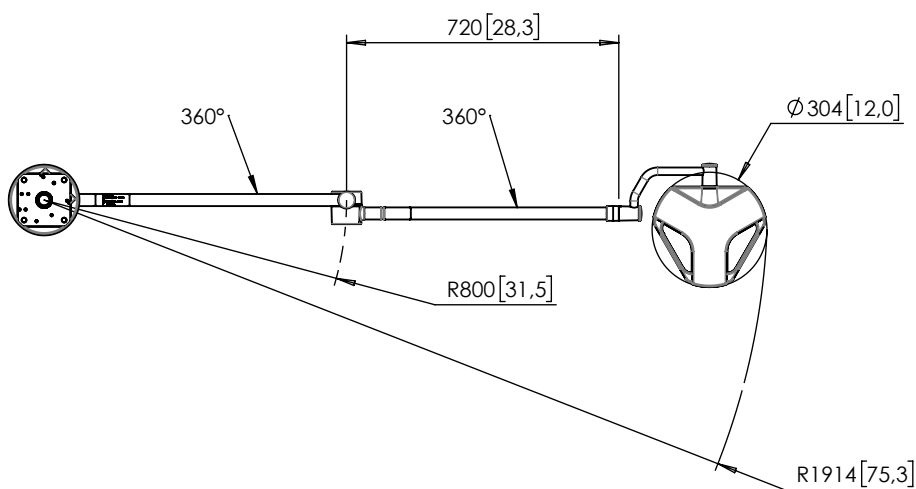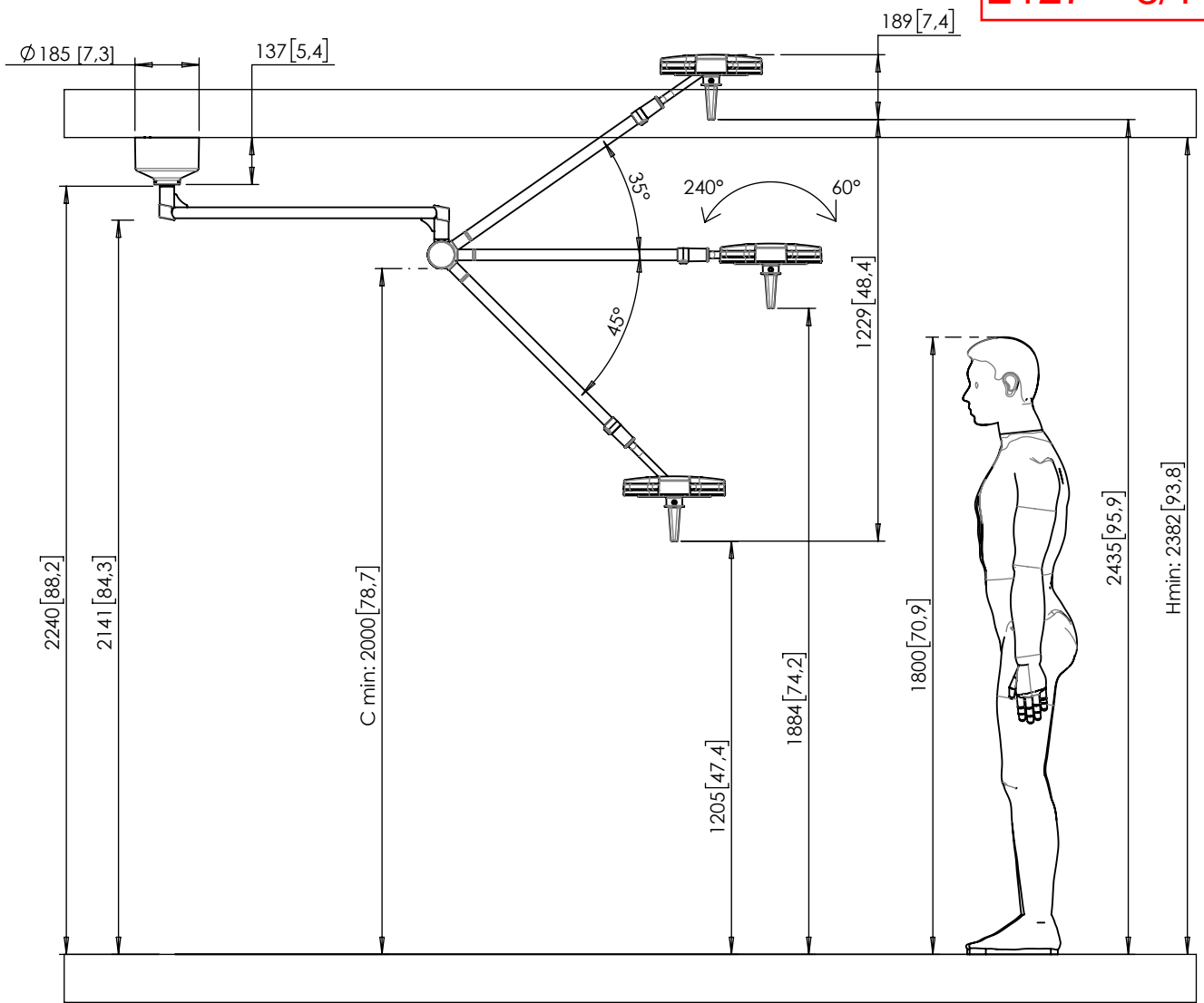
PREVENTIVE MAINTENANCE

A global network of skilled service specialists can provide periodic inspections and adjustments to help ensure low-cost peak performance. STERIS representatives can provide information regarding annual maintenance agreements.

CUSTOMER IS RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE LOCAL AND NATIONAL CODES AND REGULATIONS.

The base language of this document is ENGLISH. Any translations must be made from the base language document.
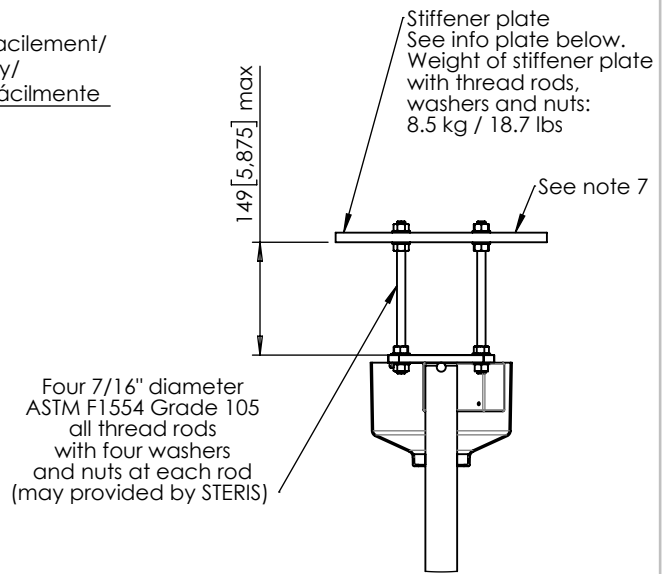
Schéma général avec hauteur minimale / General drawing with minimum ceiling height / Dibujo general con altura mínima de techo

E127   8/11

Ø185 [7,3] 137 [5,4] 189 [7,4]

35° 240° 60° 45°

1229 [48,4]

2240 [88,2] 2141 [84,3] C min: 2000 [78,7] 1205 [47,4] 1884 [74,2] 1800 [70,9] 2435 [95,9] Hmin: 2382 [93,8]

720 [28,3]

360° 360° Ø304 [12,0]

R800 [31,5]

R1914 [75,3]

Poids/Weight/Peso : 12,0 kg / 26,5 lbs	STERIS®	Ceiling configuration
Couple/Torque/Par : 74,5 N.m / 54,9 FT.lbs		Echelle/Scale/Escala : 1:20
Dimensions/Dimensiones : mm [inch]	116 avenue de Magudas 33185 Le Haillan - France	Ver. : 16/09/2016 Aut. : MB 1/4

T: 674[26,5] max / 142[5,6] min
Peut être coupé à la longueur sur le site facilement/
Can be cut to length on site easily/
Se puede cortar a la longitud en el sitio fácilmente

Stiffener plate
See info plate below.
Weight of stiffener plate
with thread rods,
washers and nuts:
8.5 kg / 18.7 lbs

See note 7

P: 3063[120,6]
H: 2904[114,3]
2240[88,2]
C: 2000[78,7]

149[5,875] max

COUPE D-D

Four 7/16" diameter
ASTM F1554 Grade 105
all thread rods
with four washers
and nuts at each rod
(may provided by STERIS)

DÉTAIL I
ECHELLE 1 : 10

D   D

12,7[0,5]

279,4[11,0]
160,34[6,3125]
279,4[11,0]
160,34[6,3125]

4x Ø 12,7[0,5]
on 150 mm
bolt circle

Ø 150[5,906]

90°
90°
90°
90°

47,625[1,875]

Stiffener plate details
Customer can manufacture their own plate if desired
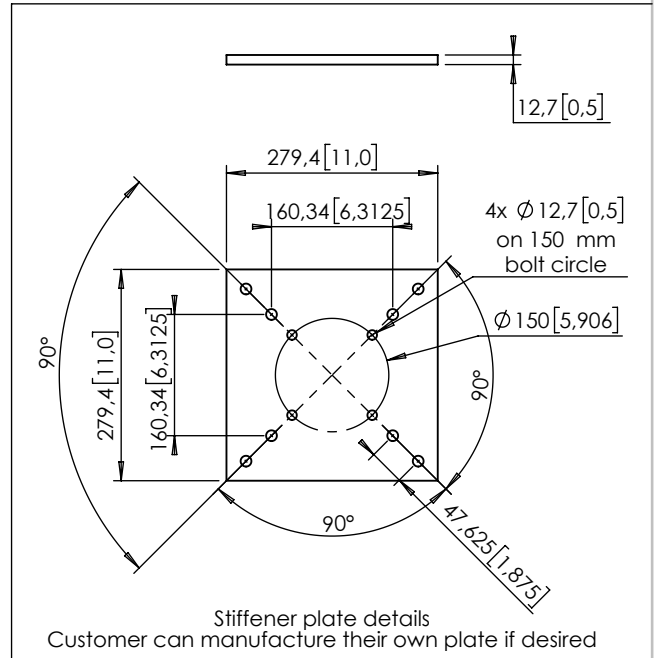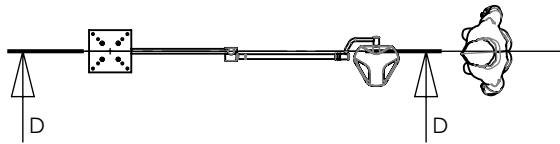
Tableaux pour définir la longueur du tube et le système d'extension pour le cas où la platine de suspension est au niveau du faux plafond/
Tables to define the length of the tube in the case that the suspension plate is level with the false ceiling/
Tablas para definir la longitud del tubo y del sistema de extensión en el caso de que la platina de suspensión està a nivel con el falso techo

H : Hauteur du faux plafond/ H: False ceiling height/ H : Altura del techo intermedio [mm]	T : Tube / Tubo [mm]
H Hmin = 2382 Hmax = 3104	T = H - C - 230 Tmin = 142 Tmax = 674 Cmin = 2000 Cmax = 2200 Pmin = 2450 Pmax = 3063

Poids/Weight/Peso : 12,0 kg / 26,5 lbs

STERIS®

Ceiling configuration

Couple/Torque/Par : 74,5 N.m / 54,9 FT.lbs

116 avenue de Magudas
33185 Le Haillan - France

Echelle/Scale/Escala : 1:50

Dimensions/Dimensiones : mm [inch]

Ver. : 16/09/2016   Aut. : MB

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Montage B avec ancrage du client et plaque d'adaptation/ Mounting B with structure plate and adapter plate/ Montaje B con platina de anclaje del cliente y con platina de adaptación

E127   10/11

T: 674[26,5] max / 142[5,6] min
Peut être coupé à la longueur sur le site facilement/
Can be cut to length on site easily/
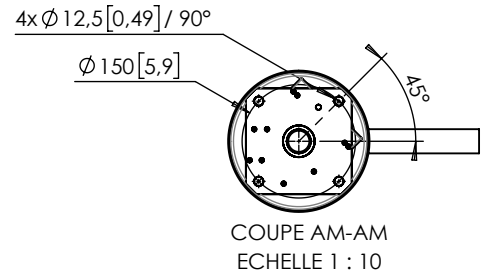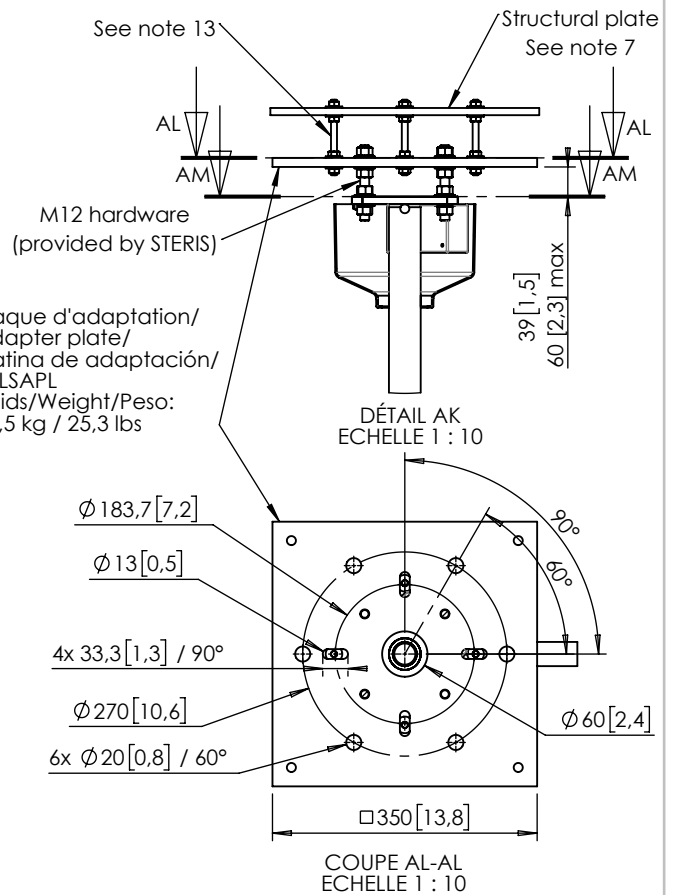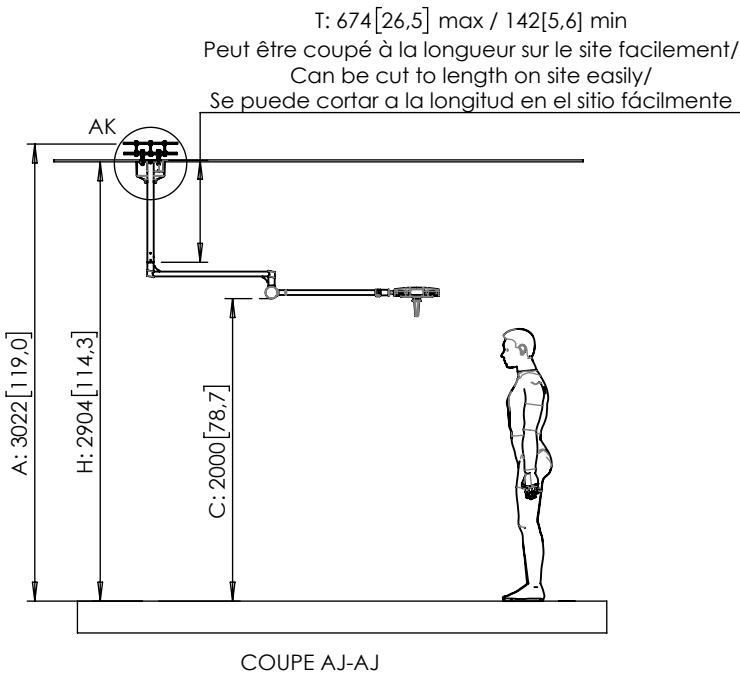Se puede cortar a la longitud en el sitio fácilmente

AK

A: 3022[119,0]
H: 2904[114,3]
C: 2000[78,7]

COUPE AJ-AJ

AJ   AJ

See note 13

Structural plate
See note 7

AL   AL
AM   AM

M12 hardware
(provided by STERIS)

39[1,5]
60[2,3] max

DÉTAIL AK
ECHELLE 1 : 10

Plaque d'adaptation/
Adapter plate/
Platina de adaptación/
EXLSAPL
Poids/Weight/Peso:
11,5 kg / 25,3 lbs

∅ 183,7[7,2]
∅ 13[0,5]
4x 33,3[1,3] / 90°
∅ 270[10,6]
6x ∅ 20[0,8] / 60°
90°
60°
∅ 60[2,4]
□350[13,8]

COUPE AL-AL
ECHELLE 1 : 10

4x ∅ 12,5[0,49] / 90°
∅ 150[5,9]
45°

COUPE AM-AM
ECHELLE 1 : 10

Tableaux pour définir la longueur du tube et le système d'extension pour le cas où la platine de suspension est au niveau du faux plafond/
Tables to define the length of the tube and the expandable anchor in the case that the suspension plate is level with the false ceiling/
Tablas para definir la longitud del tubo y del sistema de extensión en el caso de que la platina de suspensión está a nivel con el falso techo

H : Hauteur du faux plafond/ H: False ceiling height/ H : Altura del techo intermedio [mm]	T : Tube / Tubo [mm]
H Hmin = 2382 Hmax = 3104	T = H - C - 230 Tmin = 142 Tmax = 674 Cmin = 2000 Cmax = 2200

Tableaux pour définir la longueur du tube et le système d'extension pour le cas où la platine d'ancrage est déjà installée/
Tables to define the length of the tube and the expandable anchor in the case that the anchor plate is already fixed/
Tablas para definir la longitud del tubo y del sistema de extensión en el caso de que la platina de anclaje está ya fijada

A : Distance entre le sol et la platine d'ancrage/ A : Distance between floor and anchor plate/ A : Distancia entre el suelo and la platina de anclaje [mm]	T : Tube / Tubo [mm]
A	T = A - C - 348 Hmin = 2382 mm Hmax = 3104 mm Tmin = 142 mm Tmax = 674 mm Cmin = 2000mm Cmax = 2200 mm

Poids/Weight/Peso : 12,0 kg / 26,5 lbs

Couple/Torque/Par : 74,5 N.m / 54,9 FT.lbs

Dimensions/Dimensiones : mm [inch]

STERIS®

116 avenue de Magudas
33185 Le Haillan - France

Ceiling configuration

Echelle/Scale/Escala : 1:50

Ver. : 16/09/2016   Aut. : MB   3/4

1. PROVIDE AWG16 (3G1,5MM²) CABLE FOR 100-240 VOLTS, 1,5 AMPS, 50/60HZ, FOR ELECTRIC INPUT SERVICE.

2. THE LIGHTING FIXTURE MUST BE GROUNDED.

3. FLEXIBLE CONDUIT MUST PROTRUDE THROUGH FINISHED CEILING OR ADEQUATE ACCESS MUST BE PROVIDED TO ELECTRICAL JUNCTION BOX ABOVE FINISHED CEILING. THE ATTACHMENT OF THE J-BOX MAY BE PROVIDED BY STERIS (QUOTED SEPARATELY).

4. THE ADDITION OF A UL CERTIFIED J-BOX WILL NOT AFFECT LISTING. J-BOX MUST HAVE A GND SCREW INTEGRAL TO BOX.

5. INSTALLATION AND OPERATION OF THIS EQUIPMENT MUST BE PER LOCAL CODES.

6. ELECTRICAL SUPPLY WITHIN CEILING MUST BE WITHIN 12'' OF CEILING PLATE.

7. STRUCTURAL MOUNTING PLATE MAY BE PROVIDED BY STERIS. QUOTED SEPARATELY, ADDITIONAL CHARGE APPLIES. IT IS THE ENGINEER OF THE RECORDS (EOR'S) RESPONSIBILITY TO ENSURE THAT THE STRUCTURAL PLATE IS APPROPRIATELY INSTALLED AND MEETS ALL ABOVE CEILING SUPPORT REQUIREMENTS. STRUCTURAL FRAMEWORK AND BRACING (PROVIDED BY OTHER). THE CUSTOMER ASSUMES ALL RESPONSIBILITY FOR THE STRUCTURAL DESIGN, SUPPORT BRACING, STRUCTURAL SUPPORT AND STRUCTURAL PLATE INSTALLATION. CONSULT WITH THE EOR TO ENSURE THAT THE STRUCTURAL PLATE OFFERED BY STERIS IS SEAMLESSLY INCORPORATED INTO THE BUILDINGS STRUCTURAL DESIGN AND SUPPORT BRACING. STERIS ASSUMES NO RESPONSIBILITY TO THE CUSTOMER'S STRUCTURAL DESIGN, SUPPORT BRACING AND STRUCTURAL PLATE INSTALLATION.

8. CEILING STRUCTURE MUST ADEQUATELY SUPPORT LIGHTING FIXTURE: 12 KGS (26.5 LBS). THE COMBINED FORCE EXERTS A MOMENT FORCE OF UP TO 74.5N.M (54.9 FT.LBS). IT IS THE (EOR'S) RESPONSIBILITY TO DETERMINE BOLT GRADE AND PLATE TO PLATE DISTANCE.

9. FOR NON-SEISMIC APPLICATIONS, THIS DOCUMENT SHOWS POSSIBILTIES OF ATTACHMENT.

10. FOR SEISMIC APPLICATIONS, REFER TO DOCUMENT OSHPD OPM-0331-13 (THE ANCHORAGES ARE NOT PROVIDED BY STERIS).

11. STERIS ASSUMES NO RESPONSIBILITY FOR DAMAGE DUE TO ACCIDENT, MISUSE, ALTERCATIONS OR THROUGH FAILURE TO OBSERVE THESE INSTRUCTIONS.

12. EXPLOSION HAZARD, DO NOT USE IN THE PRESENCE OF FLAMMABLE ANESTHETICS.

13.   - 3/16'' HARDWARE IF STRUCTURE PLATE IS LB28 OR
    - MAX M12 HARDWARE IF ANOTHER STRUCTURE PLATE AND USE OF THE 4 SLOTTED HOLES Ø13 OF ADAPTER PLATE OR
    - MAX M16 HARDWARE IF ANOTHER STRUCTURE PLATE AND USE OF THE 6 HOLES Ø20 OF ADAPTER PLATE
    (IN ALL CASES, HARDWARE NOT PROVIDED BY STERIS)

Poids/Weight/Peso : 12,0 kg / 26,5 lbs	**STERIS**®	Ceiling configuration
Couple/Torque/Par : 74,5 N.m / 54,9 FT.lbs		Echelle/Scale/Escala : 1:50
Dimensions/Dimensiones : mm [inch]	116 avenue de Magudas 33185 Le Haillan - France	Ver. : 16/09/2016 Aut. : MB 4/4

PRIMUS OPERATING TABLE
The best choice for cranial surgery

PRIMUS is at the top of its class

Just like FOCUS (/), PRIMUS offers you maximum legroom, 270-degree access and the perfect distance to the head of the patient. The patient surface of the PRIMUS is equipped with a lateral tilting function. With this feature, you have increased access possibilities for special positions.

The dual telescopic column allows for the lowest patient ingress height on the market! This means that even patients with restricted mobility can get onto the table easily. The high maximum setting is particularly useful for procedures in which the surgeon has to work in a standing position. With PRIMUS, you can stay focused and relaxed during the entire procedure!

The excellent and smooth mobility of your FOCUS operating table makes changing patients between procedures safe and easy. Combine optimised procedures with economic efficiency.

Advantages of the PRIMUS at a glance

- ✔ Clean and sturdy hygienic stainless steel construction
- ✔ Perfect working angle due to lateral tilting function of the patient surface
- ✔ Working height adjustable with dual telescopic column
- ✔ Using the memory function with 8 programmes, your patient positions are available at the push of a button
- ✔ Perfect patient head position at all times with the patented telescopic head section and horseshoe-shaped headrest for the best possible access
- ✔ Smooth lever and steering castor undercarriage for maximum mobility in the operating room.
- ✔ Powerful 24V DC battery for cordless use
- ✔ For tall patients, the length of the operating table can be adapted using the back section extension

Highly impressive standard equipment

The brumaba PRIMUS offers you a wealth of highly modern features. These features bring about countless tangible advantages for your practice. The most important benefits at a glance:

- ✚ Telescopic column, adjustable from 520 - 950mm
- ✚ Lateral tilting
- ✚ Memory function with 8 programmes
- ✚ Telescopic head section with horseshoe-shaped headrest
- ✚ Lever and steering castor undercarriage
- ✚ 24V DC battery pack operation
- ✚ Remote control
- ✚ Back section extension for length adjustment
- ✚ Stainless steel construction
- ✚ Fixed base plate L 760 mm, W 430 mm

Optional:

- ✚ 2 GUIDE DRIVE "OR" PRIMUS undercarriage (L 895mm, W 508 mm, wheels 120 mm and 80 mm)

- ✚ 4 EASY DRIVE PRIMUS undercarriage (L 905 mm, W 600, wheels 120 mm)

Overview of central performance parameters

Total length	1.770 mm - 1.940 mm
Total width	555 mm
Net weight	175 kg (+ 10,60 kg Polster)
Max. table load	300 kg
Max. head section load	100 kg
Max. foot section load	150 kg

Adjustment range	
Height	520 - 950 mm
Head section tilting angle	-45° to +35°
Back section tilting angle	-04° to +62°
Seat section tilting angle	-10° to +40°
Foot section tilting angle	-90° to +30°
Axial tilting angle	-17° to +17°

Electrical characteristics	
Operating voltage	24V DC
Class of protection	IP X 4
Battery capacity	22 Ah
Operating time	
when fully charged	1-2 weeks

Exactly the accessories you need

To suit your individual surgical needs, you can combine your PRIMUS with many useful accessory modules. These include the following options:

- Accessories storage
- Anaesthesian supporting and tubeholders
- Arm section
- Armrests
- Back section extensions
- Battery, batterywagon and charger
- Cover and hygiene
- External side mounting (for x-ray)
- Footswitches
- Hand tables
- Head region
- Headplates
- Holders for remote control
- Infusion stand
- Instruments tables
- Mayfield extensions
- Mounting bracket
- Mounting brackets
- Padding
- Paper towel holders
- Push handles
- Side gates

❯ Side supports

❯ Slabs extensions

❯ Supports

❯ Supports in head region

Product video

BRUMABA Operationstisch - PRIMUS

▶

Contact

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Phone: +49 (0) 8171 / 2672 - 0
Telefax: +49 (0) 8171 / 2672 - 10
Email: info@brumaba.de
(mailto:info@brumaba.de)

Business Hours
Mo-Thu 8 am - 4.30 pm
Fr 8 am - 1.30 pm

Company

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Events & Exhibitions (/events-exhibitions/)
References (/references/)
Quality Management (/quality-management/)
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Jobs (/jobs/)
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Search

| Search | 🔍 |

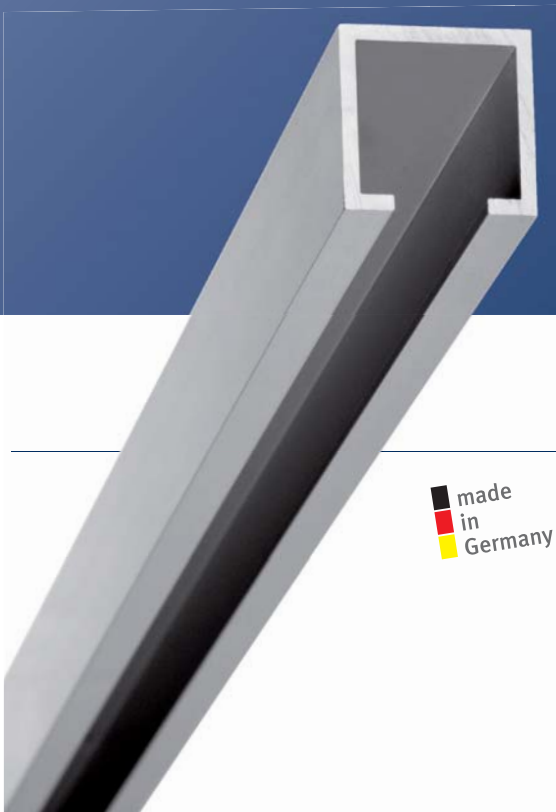### Certified Quality

General Terms (/general-terms/)   Data privacy (/data-privacy/)   Impressum (/impressum/)

ICS 1

Ceiling Rail System for Gravity Infusion

Ceiling Rail Straight

made in Germany

+ compact, light and optical appealing profile

Material	aluminium, anodized
Profile size	25 × 25 × 2,25 mm
Length	user-defined by use of connectors
	(max. 4.000 mm one-piece)
Load capacity	50,0 kg / m
Weight	appr. 0,5 kg / m
D1AA0013	standard length 1.000 mm
D1AA0013-X	special lengths available on request
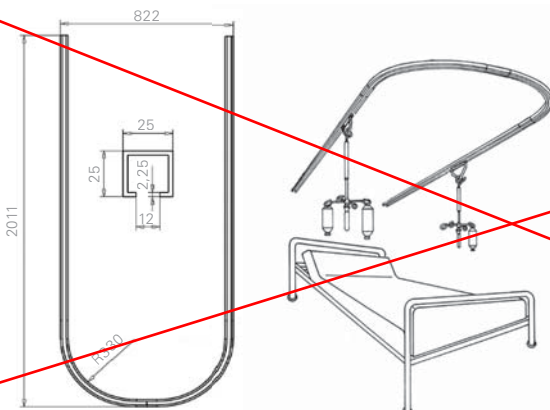
Ceiling Rail U-Form

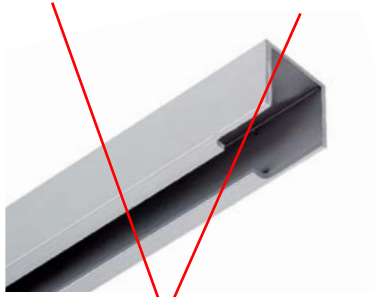|	
Material	aluminium, anodized
Profile size	25 × 25 × 2,25 mm
U-Size	appr. 2.011 × 822 mm, with 3
	connectors and 2 end pieces
Weight	appr. 2,6 kg
D3FB0013	standard size
D3FB0013-X	special sizes available on request

! Instructions for installation please see p. 192

822
25
25
2,25
12
2011
30

End Piece

as end lock for the rail system

Material   aluminium

Weight   0,01 kg

Z2N07002

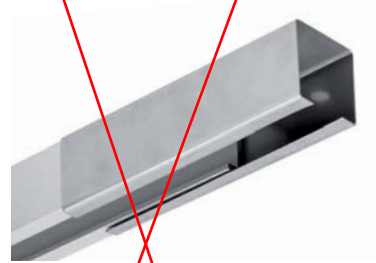**Include a minimum of 2 End Pieces for each treatment room receiving IV Hanger**

D-Cut

to insert the sliding hook even when the rail finishes directly at the wall

Z2N07082

! for security reasons an end piece is requested in front of the D-cut

Connector

to connect two ceiling rails

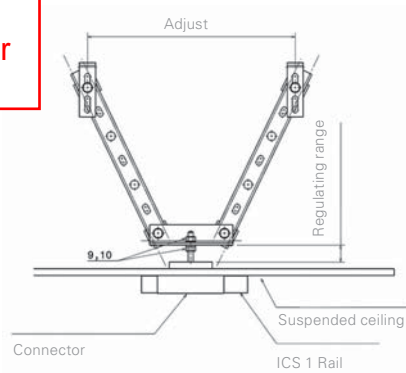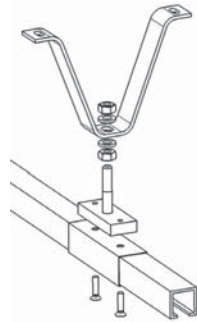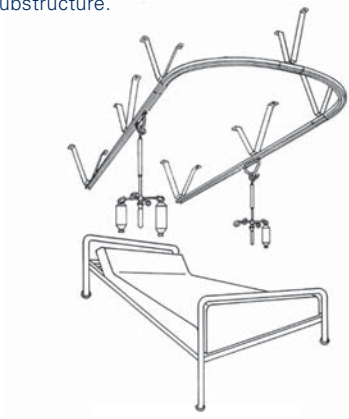Material   stainless steel

Weight   0,03 kg

Z2N07012

Ceiling Infusion Systems

! When assembling the rail below suspended ceilings, we recommend to use the provita substructure.

The four part U-shaped rail system must be fastened in seven different places by substructure spacers. The order of the spacers should comply with the layout shown in the sketch - each of them 90° turned to the next one – so that a strong construction will be given in all directions. An essential requirement for security and optimal functionallity of our rails is the proper and professional assembly of the spacers and rails.

Verify Existing Structure and new ceiling height to determine which mounting spacers Owner is to order for installation

Substructure spacers for distance 200 to 500 mm – Version C

	distance	weight
Z2S07066	200 mm	appr. 0,32 kg
Z2S07076	250 mm	appr. 0,38 kg
Z2S07086	300 mm	appr. 0,44 kg
Z2S07096	350 mm	appr. 0,51 kg
Z2S07106	400 mm	appr. 0,56 kg
Z2S07116	450 mm	appr. 0,62 kg
Z2S07126	500 mm	appr. 0,69 kg
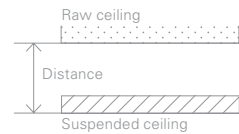
Substructure spacers for distance 500 to 1.000 mm – Version D

	distance	weight
Z2S07456	500 – 600 mm	appr. 1,6 kg
Z2S07466	600 – 700 mm	appr. 1,9 kg
Z2S07476	700 – 800 mm	appr. 2,2 kg
Z2S07486	800 – 900 mm	appr. 2,5 kg
Z2S07496	900 – 1.000 mm	appr. 2,8 kg
on request	> 1.000 mm	

Installation instruction

The rails are mounted to the connectors, though fastening at any other point is also possible. The pre-drilled holes in the connectors can be used as a drilling template for the rails. This guarantees an exact fit of the rails, spacers and raw ceiling. The spacers' slots can be used for both, even out irregularities during dowelling as well as in the building's ceiling. Maximum horizontal distance between 2 spacers: appr. 70 cm. The substructure spacer Version C is suitable for an intermediate ceiling up to 50 cm. While Version D can be used for intermediate ceiling higher than 50 cm.

The ceiling rails can be mounted directly to the ceiling or support structure, using the corresponding fastening materials. However, a spacer is needed for suspended ceilings. The spacers are made of galvanized steel and easy to install. They are anchored in the building's ceiling and bridge the gap between concrete and suspended ceiling, thus guaranteeing a sturdy substructure. Please specify the exact dimensions between the concrete and suspended ceiling with your inquiry or order.

Ceiling IV-Pole

Series I1001 / I1021

+ easy and safe adjustable by single-handed safety adjustment

Material	stainless steel
Tube diameter	18 / 14 mm
Bottle holder	stainless steel 4 safety hooks
Max. load capacity	2,0 kg / hook, 15,0 kg / sliding hook, 15,0 kg / IV-Pole
Height adjustment	single-handed height adjustment
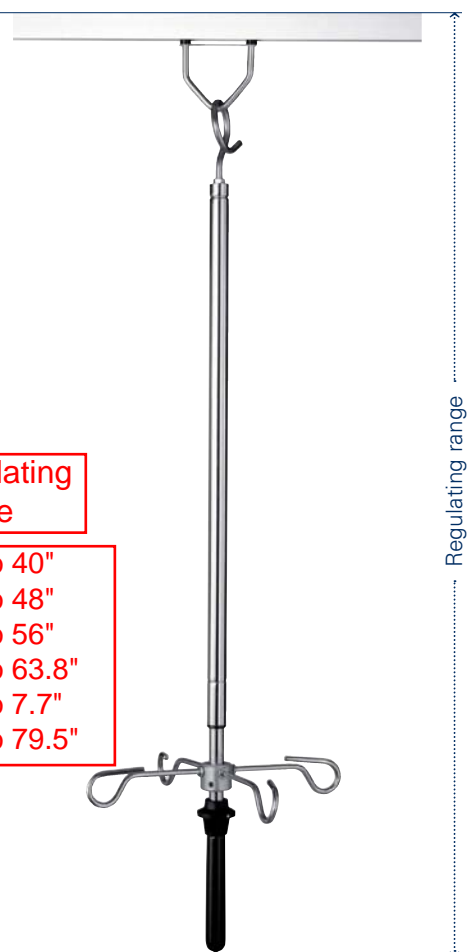
Room Height

base version	thread*	room height	regulating range	weight
I1001252	I1021252	2,5 m	730 – 1.020 mm	appr. 0,7 kg
I1001272	I1021272	2,7 m	830 – 1.220 mm	appr. 0,75 kg
I1001292	I1021292	2,9 m	930 – 1.420 mm	appr. 0,8 kg
I1001312	I1021312	3,1 m	1.030 – 1.620 mm	appr. 0,85 kg
I1001332	I1021332	3,3 m	1.130 – 1.820 mm	appr. 0,9 kg
I1001352	I1021352	3,5 m	1.230 – 2.020 mm	appr. 0,95 kg

Room Height
- 8'-2"
- 8'-10"
- 9'-6"
- 10'-2"
- 10'-10"
- 11'-6"

Regulating Range
- 28.7" to 40"
- 32.7" to 48"
- 36.6" to 56"
- 40.5" to 63.8"
- 44.5" to 7.7"
- 48.5" to 79.5"

Series I1001
Series I1021   *) with thread for pump holder (Z2N06342)

Regulating range

Sliding Hook

only for ICS 1 rail, to hang the IV-Pole into the rail

Material	stainless steel
Weight	appr. 0,05 kg

Z2N07032

Ceiling Hook

to mount an IV-Pole at a fixed point, a rail is not necessary in this case

Material	stainless steel
Weight	appr. 0,05 kg

Z2N07022

Optional if a fixed location can be determined

Holder for Infusion-Pumps

to be screwed on the lower part of the handle

Material	stainless steel
Locking ring	prevents the devices from sliding-off
Weight	appr. 0,9 kg

Z2N06342

Optional if Owner requires

BLICKMAN BUILT

CHROME STOOLS

1250

1251

Option: Handrail attachment

MODELS 1250,1251 FOOT STOOLS are constructed of chrome and have 17 weld points to enhance strength and durability. These stools feature a non-slip rubber mat and rubber tips for added comfort.

Model 1251 adds a handrail, which measures 35-3/4" from the floor.

Model No.	Part No.	Dimensions			Ship Wt. (lb) est.
1250	1021251640	11-3/8"D	14-1/4"W	9"H	8
1251 (with handrail)	1011251000	11-3/8"D	14-1/4"W	9"H, (35-3/4"HR)	10
651 (handrail only)	7900651000	35-3/4"H			4

STAINLESS STEEL STOOLS

1260SS

MODEL 1260SS FOOT STOOL is constructed of stainless steel and also has 17 weld points to enhance strength and durability and features a non-slip rubber mat and rubber tips for added comfort.

Model No.	Part No.	Dimensions			Ship Wt. (lb) est.
1260SS	1011260000	11-3/8"D	14-1/4"W	9"H	10

7757MR

7757MR-HR

MODELS 7757MR, 7761MR (KENT) FOOT STOOLS are the industry standard. Fully-welded, stainless-steel construction. Offered in two sizes. Add the **optional handrail to 41" height - Model 7757MR-HR.**

Model No.	Part No.	Dimensions			Ship Wt. (lb) est.
7757MR	1017757000	12"D	18"W	8"H	9
7757MR-HR	1017757100	12"D	18"W	8"H, (41"HR)	22
7761MR	1017761000	12"D	30"W	8"H	19
7761MR-HR	1017761100	12"D	30"W	8"H, (41" HR)	32

Note: HR denotes handrail.

BLICKMAN

UTILITY TABLE
(MODEL 7852SS Allen Model)

UTILITY TABLE (MODEL 7852SS Allen Model) is an all-purpose table that offers two solid shelves and a continuous guardrail welded onto the legs on all four sides to protect supplies and equipment. Travels easily on 3" casters.

Model No.	Part No.	Dimensions (Overall)	Est. Ship Wt. (lb.)
7852SS	0257852000	20" x 16" x 34"	46

Options: Glides, crutch tips, larger diameter casters.

UTILITY TABLE
(MODEL 7856SS Cresent Models)

UTILITY TABLE (MODEL 7856SS Cresent Models) is a combination utility-work table, which provides a large work surface and storage in two four-inch deep drawers housed below the work surface. A continuous guardrail on three sides protects contents. Travels easily on three-inch casters.

| Model No.	Part No.	Dimensions (Overall)	Est. Ship Wt. (lb.)
7856SS (with H-brace)	0317856000	36" x 20" x 34"	78
7856SH (with shelf)	0317856003	36" x 20" x 34"	81

Options: Glides, crutch tips, larger diameter casters.

ADJUSTABLE HEIGHT INSTRUMENT TABLES
(Georgetown Models)

ADJUSTABLE HEIGHT INSTRUMENT TABLES (Georgetown Models) are popular in the OR and are designed to straddle the OR table, and offer 20 inches of travel to accommodate changes in table position during neuro, cardiac and orthopedic surgery. When used in general surgery, the table can be adjusted to accommodate the varying heights of personnel. This model can be adjusted manually from either side with a detachable crank handle. Tables travel easily on four three-inch casters, two casters with brakes.

| Model No.	Part No.	Dimensions (Width)	Dimensions (Depth)	Dimensions (Leg Clearance)	Height Adj.	Est. Ship Wt. (lb.)
7892SS-0	0157892000	"A"=36"W	"B"=20"D	"C"=28.625"	36"-56"	140
7893SS-0	0157893000	"A"=36"W	"B"=24"D	"C"=28.625"	36"-56"	150
7895SS-0	0157895000	"A"=48"W	"B"=24"D	"C"=40.625"	36"-56"	160
7896SS-0	0157896000	"A"=34"W	"B"=46"D	"C"=26.625"	36"-56"	175

Tables   4
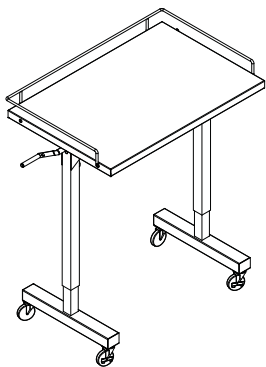
ergotron ®

moving you forward

SIM90 Signage Integration Mount

- Complete, fully integrated, all-in-one mounting system includes all components for installing large display digital signage solutions

- Simplifies digital signage installation with preassembled components; no need for additional equipment

- Flexible deployment options to accommodate your digital signage messaging and space requirements; portrait-to-landscape orientation, scalable for future hardware refreshes

- Easy, do-it-yourself portrait or landscape adjustment—no need to reinstall display; knobs are available for locking tilt orientation in place

- Security fasteners deter theft to protect your investment

- Cable management system conceals and organize cables
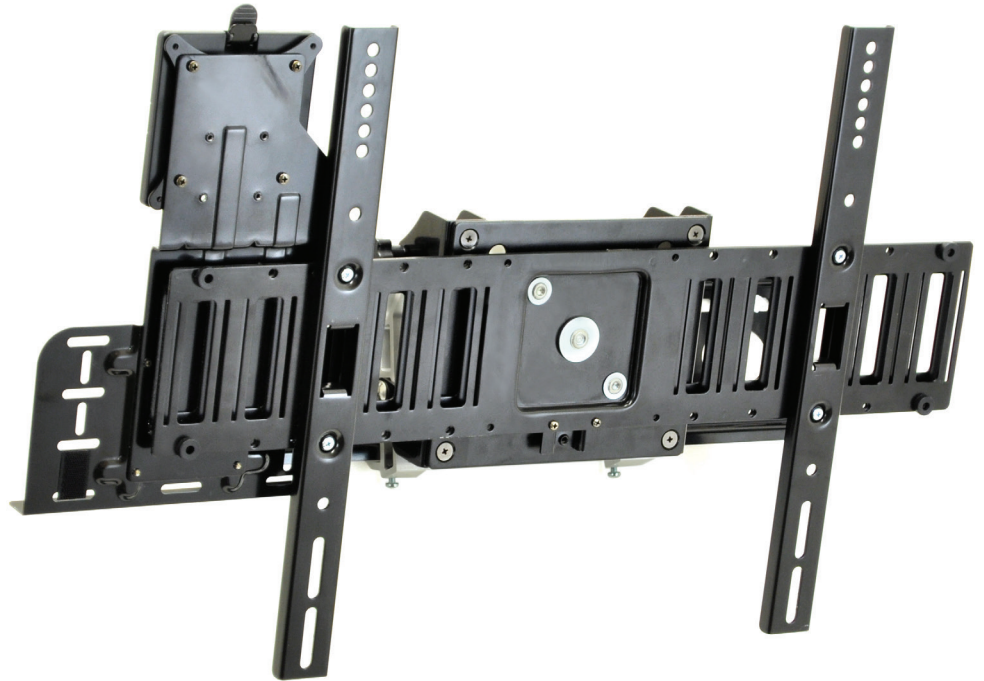
COMPLETE INTEGRATED ALL-IN-ONE MOUNTING SYSTEM FOR DIGITAL SIGNAGE

CF
Constant Force™

Give your digital signage a new point of view with Ergotron's SIM90 Signage Integration Mount. Featuring effortless portrait-to-landscape rotation (no need to reinstall display), this low-profile, fully integrated, all-in-one wall mounting system offers flexible deployment options to accommodate diverse digital signage messaging and space requirements. Preassembled components simplify installation of 32″ or larger displays. Scalable for future hardware refreshes, this sturdy and stable mount offers 0° to 15° tilt forward.

SIM90 Signage Integration Mount

- Easily rotate display to either a portrait or landscape orientation without removing the display

- Portrait or landscape orientation may be dependant on content software or graphic card capabilities

- Complete wall mount solution for digital signage applications

- Easily attaches VESA-compliant (75/100 mm) mini PC to the underside CPU: CPU must have either 75 x 75 mm or 100 x 100 mm mounting holes on one side

- Power brick maximum weight 3 lbs (1,4 kg). Can also hold smaller DVD players or wireless extenders that are VESA compatible

- Mounting options: includes hardware for mounting to wood studs (16″ centered studs) or concrete wall surfaces

- Mounting hole patterns: horizontal measurement 200 mm, 300 mm, 400 mm, 440 mm, 500 mm or 600 mm. Vertical measurement 200 mm or 400 mm.

- Display can be positioned at different points on the wall bracket; this lateral shift of the display's position relative to the wall studs can be as much as 5.7″ (14.5 cm)

- Profile off the wall: 4.8″ (12 cm)

Part # (color)	60-600-009 (black)
Includes	Wall and display brackets, quick-release VESA-CPU mount/ power brick bracket, hardware fastener kit
Typical LCD Size	≥ 32″ Ideal for 32″ and larger displays up to 105 lbs (47,6 kg). Total weight capacity is 115 lbs (52,2 kg): 105 lbs (47,6 kg) for display, 7 lbs (3,2 kg) for CPU, 3 lbs (1,4 kg) for cables and power brick
Compatible Mini PCs	VESA compliant 75 x 75 or 100 x 100 mm Maximum CPU size 13.5″W x 10″H x 2.6″D (34,3 x 25,4 x 6,6 cm), up to 7 lbs (3,2 kg)

LCD SIZE IS APPROXIMATION. DIMENSION IS DIAGONAL MEASUREMENT OF SCREEN. LCD SIZE MAY BE EXCEEDED AS LONG AS SCREEN WEIGHT DOES NOT EXCEED MAXIMUM WEIGHT CAPACITY OF THE MOUNT.

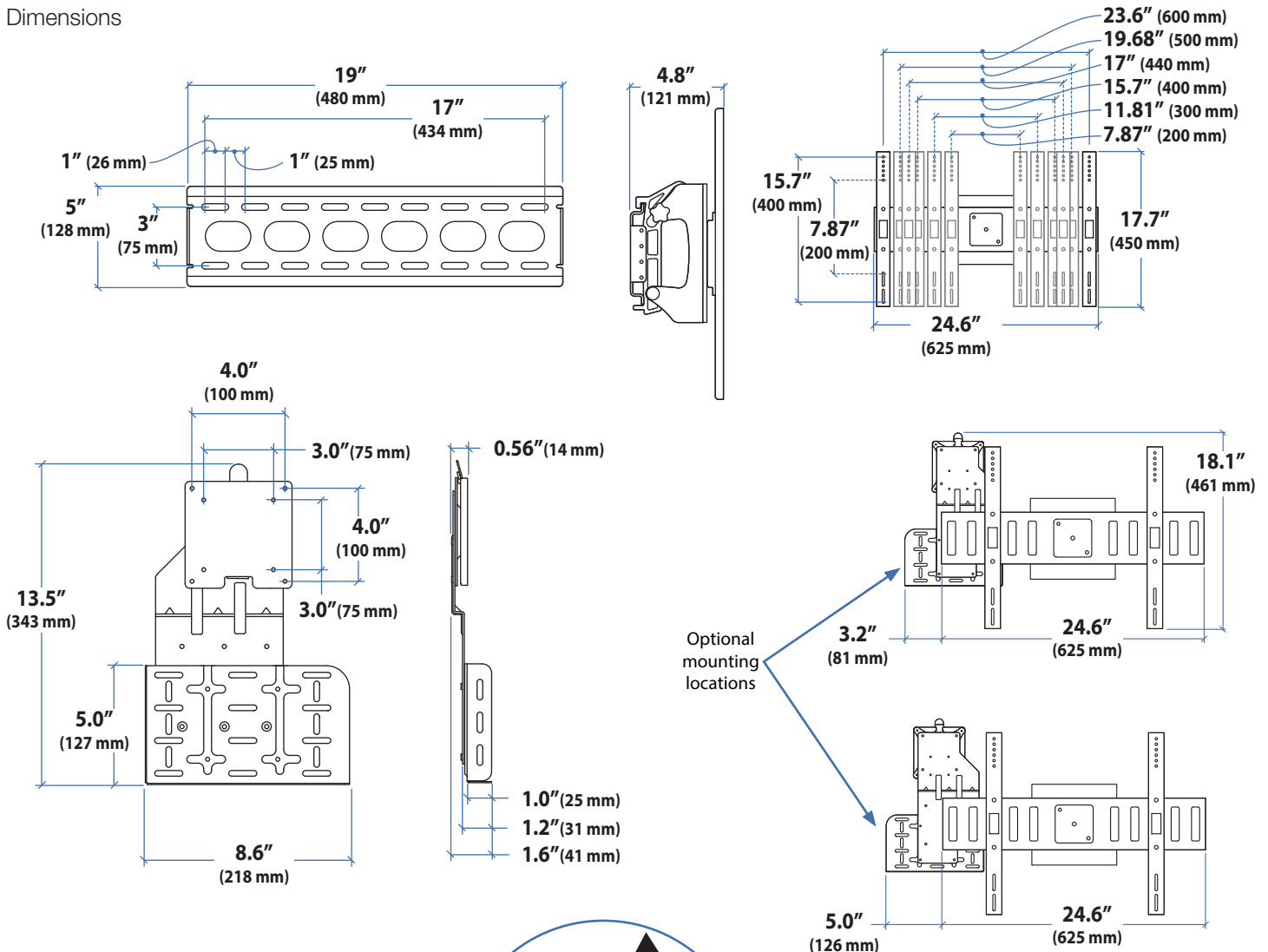|	
Weight Capacity	≤ 105 lbs (47,6 kg)
Tilt	15° Smooth continuous display tilt range from 0° to 15° forward; tilt range may be restricted when displays are in portrait mode
Rotation	90°
VESA	MIS-F (see website)
Shipping Weight	24 lbs (11 kg)
Shipping Dimensions	13.25″W x 12″H x 28.5″D (33,7 x 30,5 x 72,4 cm)
Warranty	5 years

INCLUDES SCREWS TO SECURE DISPLAY FOR THEFT DETERRENCE

ergotron®

Dimensions

19"
(480 mm)

17"
(434 mm)

1" (26 mm)

1" (25 mm)

5"
(128 mm)

3"
(75 mm)

4.8"
(121 mm)

23.6" (600 mm)
19.68" (500 mm)
17" (440 mm)
15.7" (400 mm)
11.81" (300 mm)
7.87" (200 mm)

15.7"
(400 mm)

7.87"
(200 mm)

17.7"
(450 mm)

24.6"
(625 mm)

4.0"
(100 mm)

3.0"(75 mm)

4.0"
(100 mm)

3.0"(75 mm)

13.5"
(343 mm)

5.0"
(127 mm)

8.6"
(218 mm)

0.56"(14 mm)

1.0"(25 mm)
1.2"(31 mm)
1.6"(41 mm)

18.1"
(461 mm)

Optional
mounting
locations

3.2"
(81 mm)

24.6"
(625 mm)

5.0"
(126 mm)

24.6"
(625 mm)

Maximum CPU Dimensions

≤ 10"
(254 mm)

≤ 2.6"
(66 mm)

≤ 13.5"
(343 mm)

CPU must be a VESA compliant Thin Client CPU.
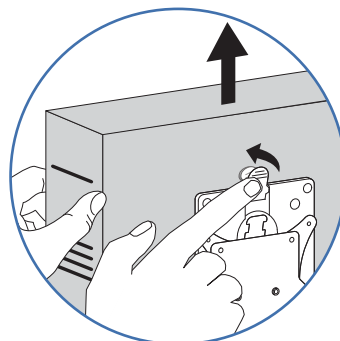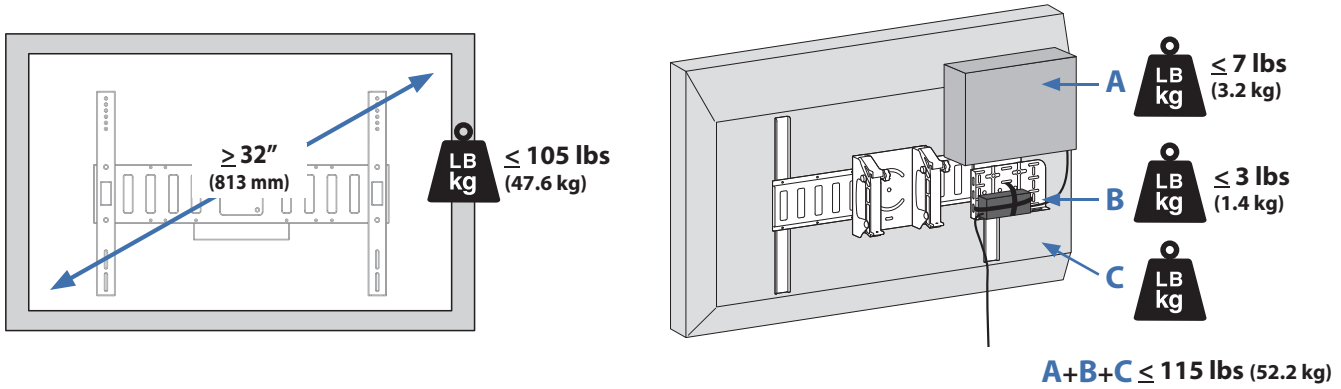
Quick Release bracket for easy CPU
attachment and removal.
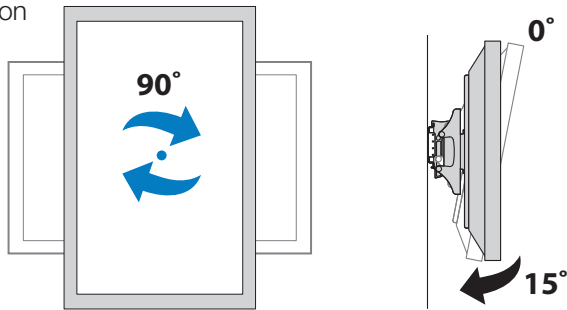(Can be disabled for theft deterrence.)

Ergotron®

SIM90 Signage Integration Mount

Weight Capacity

≥ 32"
(813 mm)

LB kg   ≤ 105 lbs (47.6 kg)

A   LB kg   ≤ 7 lbs (3.2 kg)

B   LB kg   ≤ 3 lbs (1.4 kg)

C   LB kg

A+**B**+**C** ≤ **115 lbs** (52.2 kg)

Range of Motion

90°

0°

15°

Compact and flexible

Philips IntelliVue MP5 patient monitor

The IntelliVue MP5 patient monitor delivers IntelliVue monitoring power and functionality in a compact and rugged housing to match the demands of a wide range of care environments both in and out of hospital. Used with the optional IntelliVue Guardian Early Warning Score (EWS), the MP5 is designed to aid caregivers on the general floor in early recognition of subtle signs of patient deterioration. Each member of the IntelliVue family of networked patient monitors gives care teams clear information to assess patients and make diagnostic decisions with confidence. All share an intuitive interface, innovative Clinical Decision Support tools, and outstanding design.

Key advantages

- Compact, rugged housing to meet the demands of transport in and out of the hospital

- Intuitive touchscreen and exceptional ease of use, with outstanding measurements

- Wired and wireless connectivity, and expanded capabilities for care

Medical Device Depot Inc.

PHILIPS

A clear connection to your patients

Advanced features for ease of use

The MP5 features an intuitive touchscreen and is easy to use, with excellent measurements, clear display, touchscreen operation, and one-step smart touch commands to allow you to focus on the patient, not the monitor. Clinical Decision Support tools such as Horizon Trends, ST Map and ProtocolWatch reveal more information when it counts. The IntelliVue Guardian EWS monitors vital signs and calculates an Early Warning Score fast and easily, aiding in early recognition of subtle signs of patient deterioration.

We've redesigned the user interface to improve visibility of patient data, make it easier to use, and to enhance compatibility with standard software.

Capture and review diagnostic 12-lead ECGs at the monitor before sending them to the IntelliVue Information Center (PIIC). Print cardiograph-type, diagnostic 12-lead ECG reports from the bedside. With the IntelliVue Information Center iX (PIIC iX) review 12-lead interpretation and previous 12-lead ECGs directly at the bedside and trigger 12-lead export to an ECG archive. Each NBP measurement now generates a column in the vital signs trend table. Measurements for other values are added to provide a comprehensive vital signs data set for the NBP measurement time.

The Smart Alarm Delay[1] algorithm helps reduce the number of pulse oximetry nuisance alarms, allowing you to focus your attention where needed.

Wired and wireless networking for continuous connection

The IntelliVue MP5 connects to the IntelliVue Clinical Network, which can span the hospital enterprise. You can manage your patient's care with the confidence that data collection won't be disrupted, no matter where patients are located on the network.

Expanded capabilities

Enhance the compact IntelliVue MP5 by connecting it to a large display solution with optional IntelliVue XDS software, adding a high-resolution bedside display to clearly see vital patient information at a distance. XDS remote-control functionality gives you the flexibility to access and control the IntelliVue MP5 to enhance your workspace ergonomics. To support clinical workflow efficiency you can print locally from the IntelliVue MP5 monitor.

1. May not be available in all geographies.

2

Commonly required measurements, built in

- ECG, SpO$_2$, and NBP available as standard.
- Choice of up to two invasive pressures and temperatures (with an optional port for Welch Allyn SureTemp).

Comprehensive CO$_2$/gas monitoring

- Choice of mainstream, sidestream or Microstream CO$_2$.
- Anesthesia monitoring with IntelliVue G1 anesthetic gas modules.

Wired and wireless connectivity with easy switching between modes.

Dynamic Wave area features waves that automatically adjust in size depending on the number of waves configured.

Sturdy housing (Class 7M3) to withstand rough handling.

Comfortable handle and bedrail mount for transport.

Touchscreen operation designed for easy information input and intuitive onscreen navigation with one-touch commands.

Telemetry as a parameter (TAAP) and wireless telemetry as a parameter (WTAAP) display telemetry data through a direct or wireless connection to a telemetry transceiver. Wireless telemetry expands capabilities to provide untethered in-room access to telemetry data in near-realtime.

Video out allows use of larger external display.

Optional integral recorder with 5cm (2″) strip offers convenient documentation when needed.

Up to four hours battery operation with one lithium ion battery.[2]

Optional Early Warning Scoring supports your rapid response program in early identification of deteriorating patients.
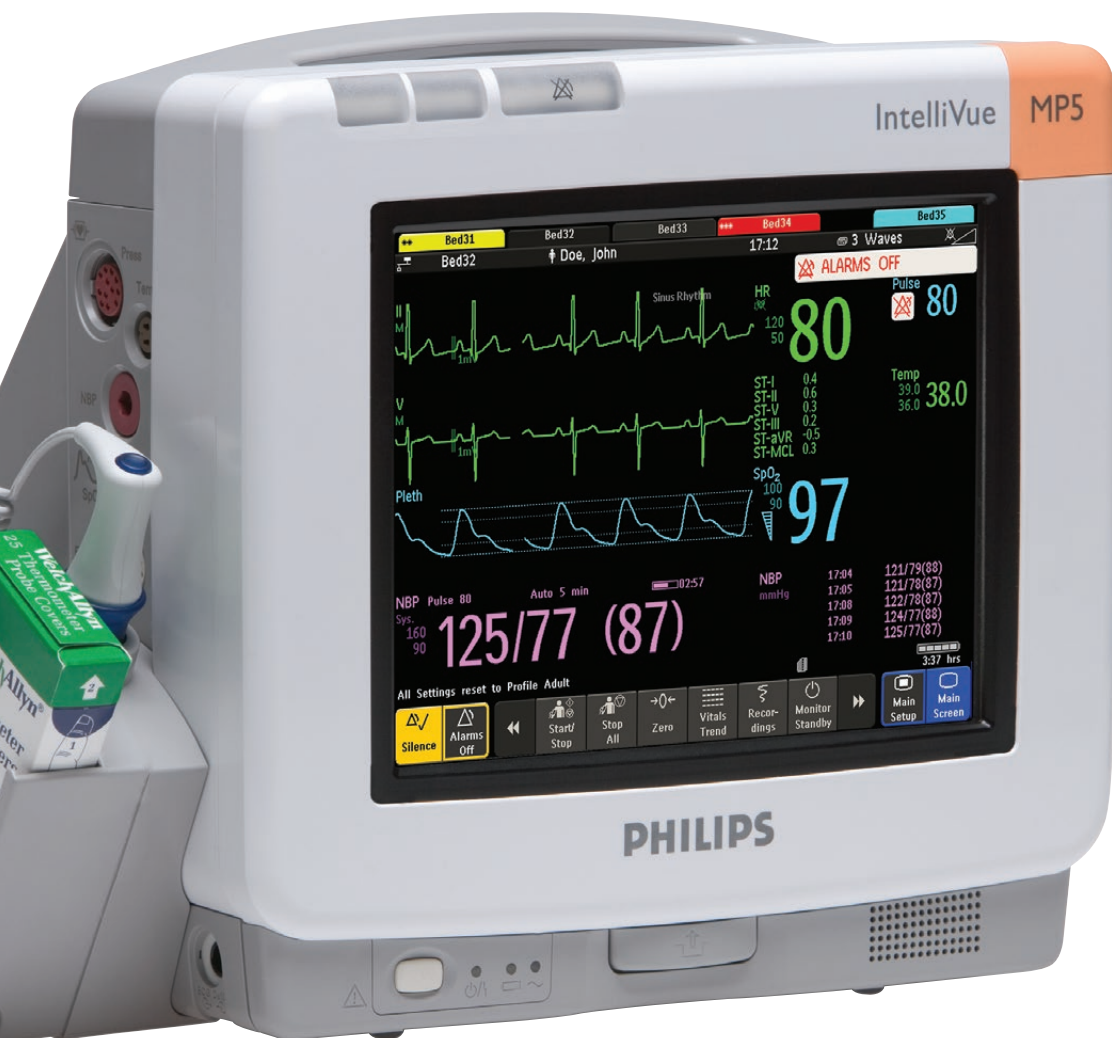
Lightweight at approximately 4kg (8.8lbs.) including battery.

A range of screen configurations are included. No user setup required for typical use.

21.3cm (8.4″) color SVGA display with up to **4 waveforms** is bright and easy to read.

Optional USB for barcode scanner.

2. With basic monitoring configuration (automatic brightness reduction, ECG/RESP and SpO$_2$ measurements in use, NBP every 15 minutes).

Clear confidence, in or out of the hospital

Optional bed rail hanger fits securely and provides a good viewing angle.

Philips offers a wide range of supplies, including NIBP cuffs, SpO_2 sensors, Microstream CO_2 accessories and a variety of cables and leads.

IntelliVue MP5 and a large display solution with Philips IntelliVue XDS software.

Microstream is a registered trademark of Oridion Medical Ltd. SureTemp is a registered trademark of Welch Allyn, Inc.

4-Leg IV Stands Come in Chrome or Stainless Steel

CHROME STANDS

MODEL 1305 IV STAND is for value-conscious customers who will still demand quality construction. The stand is offered with two hooks welded to the pole or a removable four-hook ram's horn with colored secure-grip tips. Both sit on a four-leg epoxy-coated base with Wall Saver™ tips to protect walls. Twist-lock height adjustment. Stand travels on four, 2" twin-wheel hooded casters. Minimal assembly required.

Model No.	Part No.	Feature	Height Adjustment	Ship Wt. (lb) est.
1305	0561305000	welded hooks (2)	47-1/2" to 85-1/2"	10
1305-4P	0561305401	removable hooks (4)	52" to 91"	15

MODEL 1310 IV STAND sits on a 22" diameter chrome-plated heavy bar steel base with Wall Savers™ to protect against scuff marks. The Tru-Loc™ friction knob assures secure height positioning. Offered with a two-hook ram's horn with secure-grip tips. The stand travels on four, 2" twin-wheel hooded casters. Height adjustment from 51-1/2" to 93". Minimal assembly required.

Model No.	Part No.	Feature	Height Adjustment	Ship Wt. (lb) est.
1310	0561310000	(2-hook)	51-1/2" to 93"	14

Optional four-hook adapters available.

1305

3

VATECH ASSURANCE

VATECH IMAGING SYSTEMS

vatech america

RAISING THE BAR
FOR EXCELLENCE

i3D *Premium*

LARGE 21X19 FOV FOR COMPLETE DIAGNOSTIC IMAGING NEEDS

THE OPTIMAL SOLUTION FOR AIRWAY AND ENT DIAGNOSIS

AUTOMATICALLY GENERATES UP TO 6 TYPES OF IMAGES IN 1 SCAN

49 μm
CMOS
Sensor

THE MOST SUITABLE FOV SIZE FOR A COMPLETE DIAGNOSIS

A 21x19 FOV is the optimal size for oral maxillofacial surgeons and orthodontists. Anatomically, it captures the regions from the roof of the orbits and nasion down to the hyoid bone.

☑ Oral and maxillofacial surgery

☑ Facial reconstructions

☑ Orthodontic treatment planning

☑ Complex orthognathic cases

The i3D Premium utilizes a proprietary 49.5 μm high resolution x-ray sensor, which makes it the finest pixel and highest resolution CBCT available on the market today.

[Multi FOV]

The i3D Premium offers a wide range of selectable Fields of View (FOV).
This selectable FOV helps limit patient radiation exposure, and allows users to capture only the region of interest. Clinicians can select between 21x19, 17x15, 17x11, 12x9, and 8x8 fields of view.
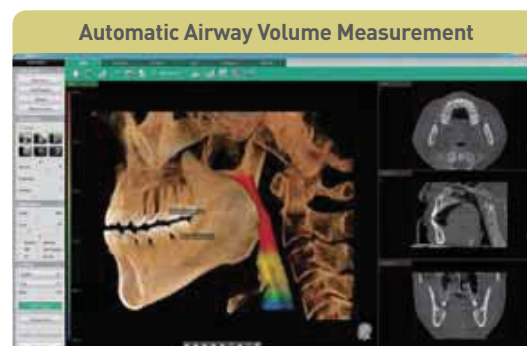

The i3D Premium provides an ENT mode (Airway/TB&PNS) for ENT specialists.
The fields of view are based on patients' most common cases such as cholesteatoma, chronic sinusitis, and sleep apnea.

[Airway]   A Powerful Function for Airway Volume Analysis

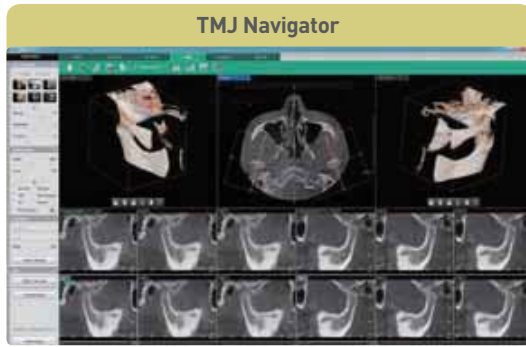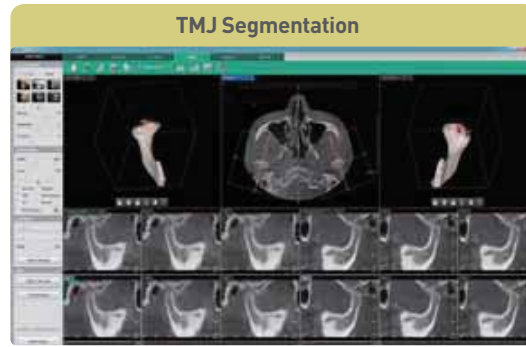| Simple Airway Selection	Automatic Airway Volume Measurement
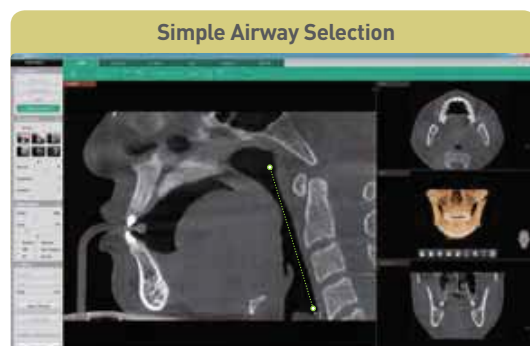
• 2-click airway region selection

• Segmented airway volume and color coded thickness measurements
• Automatically calculates total volume and minimum area measurements

[TMJ]　Simultaneous Analysis for both TMJ

TMJ Navigator	TMJ Segmentation
• Instant automatic cross-sectional images	• Easily segment and separate the Condyle or Fossa • Rotation for an accurate diagnosis

*Airway & TMJ analysis available on Ez3D-i V4.1

AUTOMATICALLY GENERATES UP TO 6 TYPES OF IMAGES IN 1 SCAN

One scan with the i3D Premium, can capture the raw data needed for a CBCT, Panorama, PA Ceph, Lateral Ceph, SMV Ceph, and Waters' View Ceph.
With this scan, the system is capable of capturing images for craniofacial, maxillofacial, and orthodontic treatment planning.
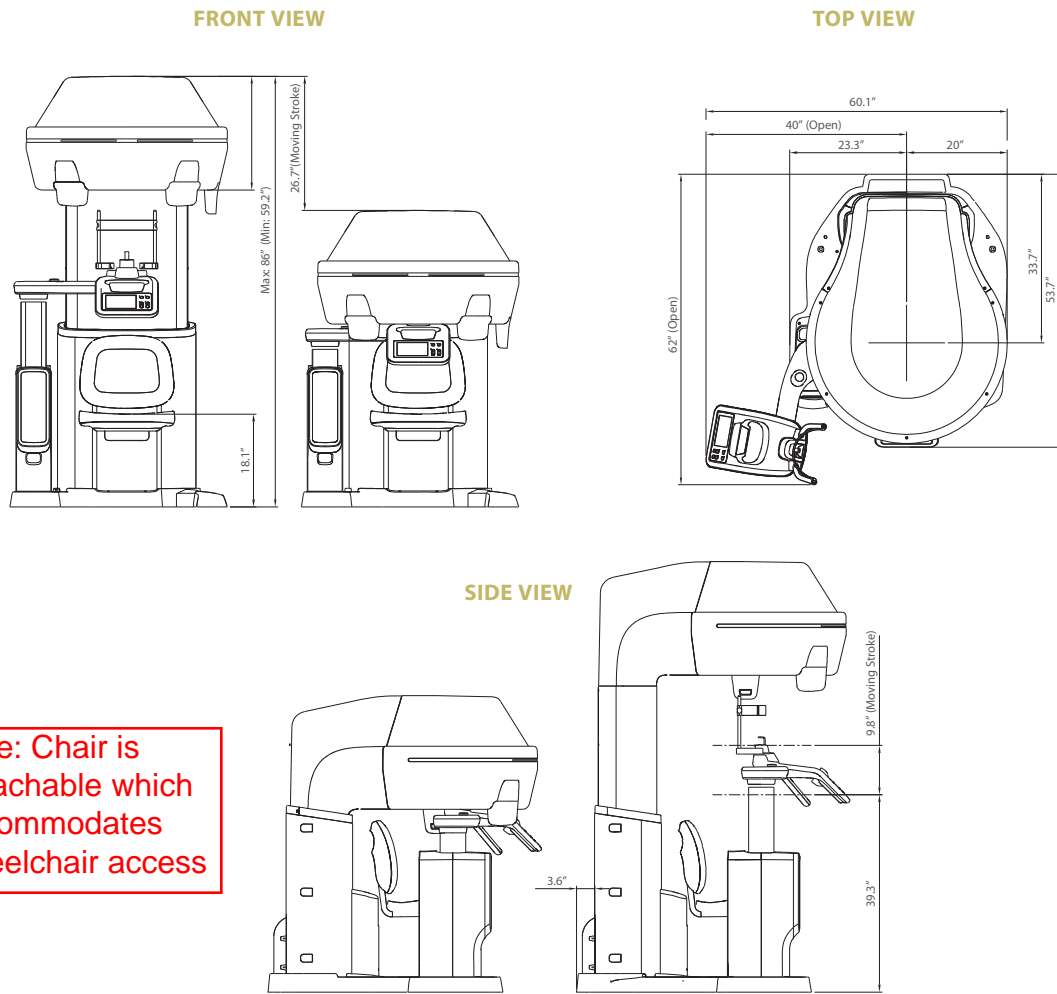
VALUE-ADDED AUTO IMAGE SELECTION

Select the image type needed for your treatment plan.

* Conventional Panorama mode is included.

DIMENSIONS

FRONT VIEW

TOP VIEW

26.7"(Moving Stroke)

Max: 86" (Min: 59.2")

18.1"

60.1"
40" (Open)
23.3"
20"
33.7"
53.7"
62" (Open)

SIDE VIEW

Note: Chair is detachable which accommodates wheelchair access

9.8" (Moving Stroke)

39.3"

3.6"

SPECIFICATIONS   [i3D Premium : PCT-90LH]

Function		CT (Auto Pano/Auto Ceph) + Pano
CT FOV Size	Dental	21x19 / 17x15 / 12x9 / 8x8 cm
	ENT	21x19 / 17x11[TB&PNS] / 17x11[Airway] cm
Scan Time	Pano	13.5 sec
	CT	Max. 18 sec
Voxel Size		0.2 / 0.3 / 0.4 mm
Focal Spot Size		0.5 mm [IEC60336]
Gray Scale		14 bit
Tube Voltage		60 - 120 kV
Current		4 - 10 mA
Weight		321 kg (708 lbs)
Dimensions		62"(L) x 60.1"(W) x 86"(H)

• The specifications are subject to change without prior notice.

VATECH ASSURANCE

VATECH IMAGING SYSTEMS

vatech america

YOUR PARTNER
IN DIGITAL SUCCESS,

PaX-i™

SUPERIOR IMAGE QUALITY
- Optimal image for accurate diagnosis

TWO DEDICATED SENSORS
- Specialized sensors for Pano & Ceph
- Streamlined workflow and prolonged lifespan of sensors

USER-FRIENDLY SOFTWARE, EZDENT-I
- Complete diagnostic and consultation solution

THE ADVANCED IMAGING SOLUTION FOR ACCURATE DENTAL DIAGNOSIS

The PaX-i provides the most precise and high quality panoramic images by combining image processing and accumulated experience in dental imaging from Vatech.
This will increase your diagnostic accuracy for improved treatment planning and patient satisfaction.

MAKE YOUR DIAGNOSIS EASY AND EFFICIENT WITH VARIOUS CAPTURE MODES
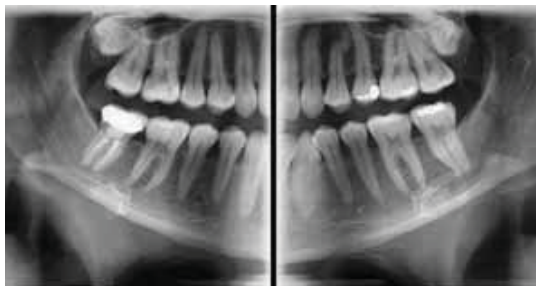
Bitewing Mode

TMJ Mode

SELECTION	ARCH	EXAMINATION MODE
PANO EXAMINATION	Narrow / Normal Wide / Child	Standard / Right / Front / Left
	Orthogonal	Orthogonal Standard / Right / Front / Left Bitewing Standard / Right / Front / Left
SPECIAL EXAMINATION	Normal	TMJ LAT Open / Close TMJ PA Open / Close Sinus LAT / PA

PRODUCT CONFIGURATION

	PANO	CEPH		
		SCAN	RAPID	ONE SHOT
PaX-i	•	–	–	–
PaX-i SC	•	•	–	–
PaX-i RC	•	–	•	–
PaX-i OP	•	–	–	•

SPECIFICATIONS (PaX-i : **PCH-2500** / PaX-i RC : **PCH-30CS**)

Function	Pano + Ceph
Scan Time	Pano : HD 13.5 sec / Normal 10.1 sec Ceph : Scan 12.9 sec , Rapid 1.9 /3.9 sec , One Shot 0.9 sec
Focal Spot	0.5 mm
Tube Voltage/ Current	50-90 kVp / 4-10 mA 60-99 kVp / 4-10 mA (PaX-i RC)

Ceph FOV Size	**SC** 8.3"x9.1" [LAT, PA, SMV, Waters View, Carpus] 10.6"x9.1" [Full LAT] **OP** 12"x10" [LAT, PA, SMV, Waters View, Carpus]
Gray Scale	14 bit
Patient Positioning	Standing / Wheelchair Accessible

DIMENSIONS

PaX-i
Pano
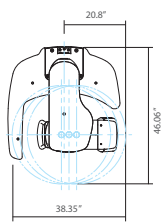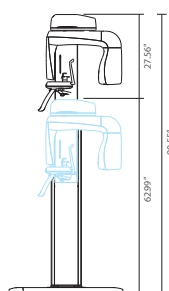
PaX-i SC
Pano / Scan Ceph
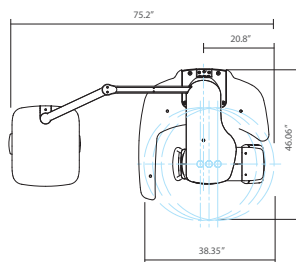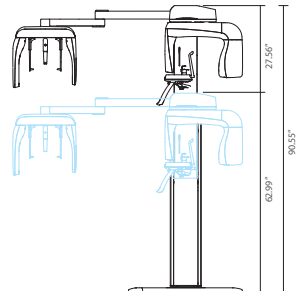
PaX-i RC
Pano / Rapid Ceph
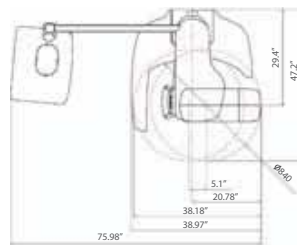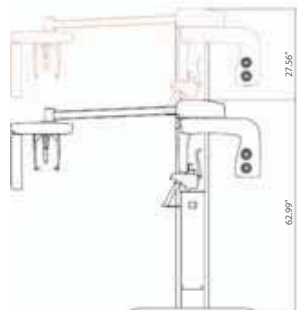
PaX-i OP
Pano / One Shot Ceph

TOP VIEW
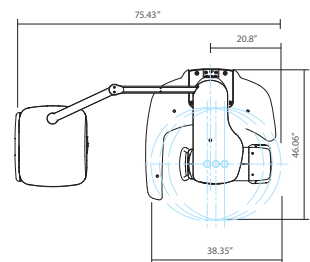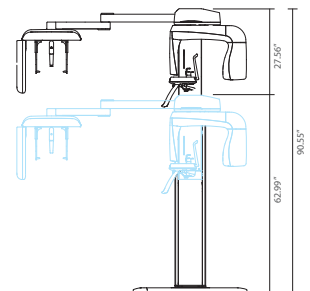
20.8"
46.06"
38.35"

TOP VIEW

75.2"
20.8"
46.06"
38.35"

29.4"
47.2"
5.1"
20.78"
40.88"
38.18"
38.97"
75.98"

TOP VIEW

75.43"
20.8"
46.06"
38.35"

FRONT VIEW

27.56"
90.55"
62.99"

FRONT VIEW

27.56"
90.55"
62.99"

FRONT VIEW

27.56"
90.55"
62.99"

FRONT VIEW

27.56"
90.55"
62.99"

J-Box, Conduit & Device Plate By Electrical Contractor

Bracket, Control and Wiring By Equipment Supplier

Firing Button Varies - reference example
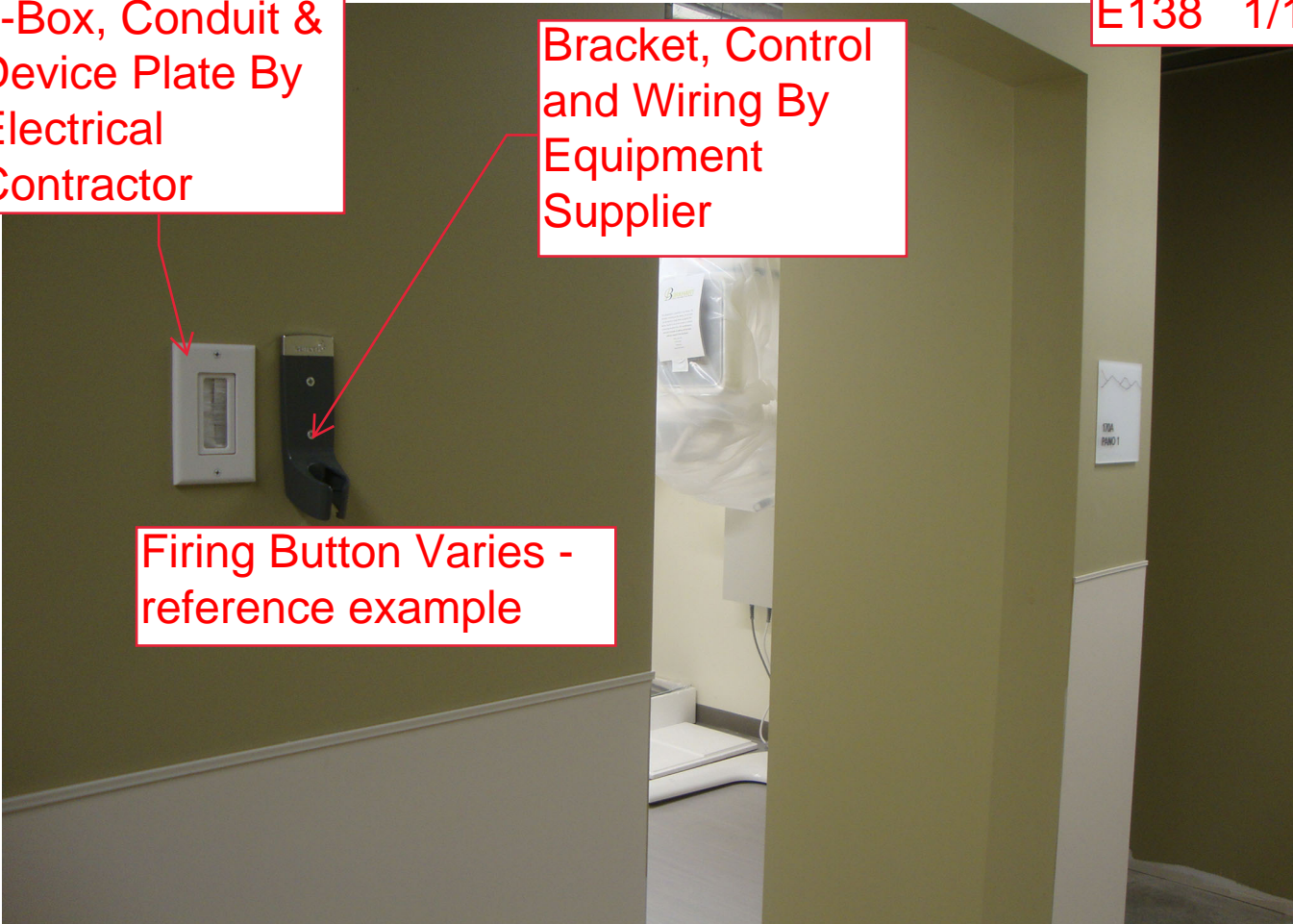
J-Box, Conduit & Device Plate By Electrical Contractor

Bracket, Control and Wiring By Equipment Supplier

Firing Button Varies - reference example
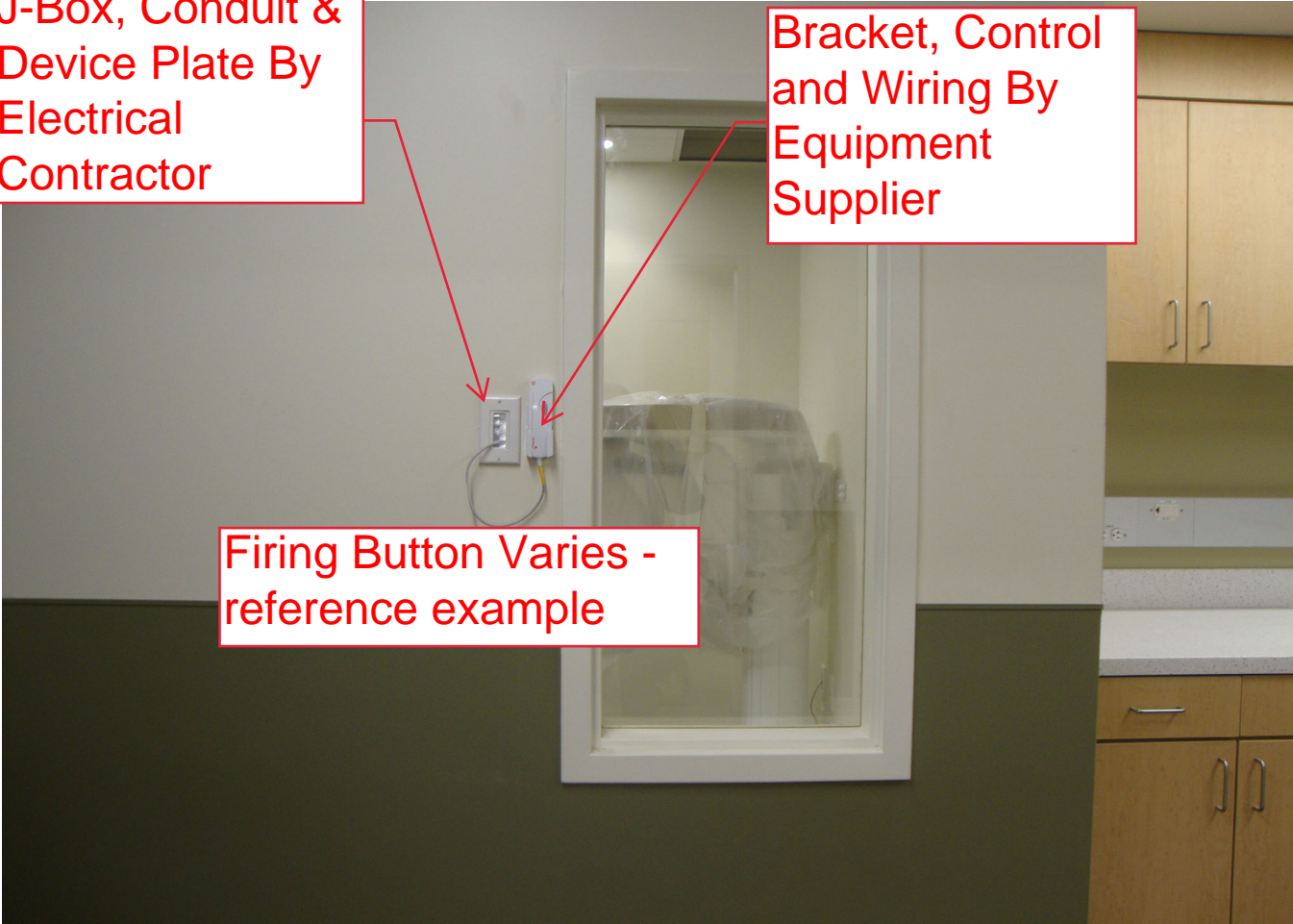
Southcentral Foundation Clinic

Fireweed Dental Remodel

Equipment Cut Sheet

30" Grab Bar for Lead Apron Hanger by General Contractor – Refer to Architectural Drawings for Model and Manufacturer

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ONLINE RESELLER

E141 1/1

Waste / Recycling   Material Handling   Cleaning   Foodservice   Safety   Washroom   Clearance Sale

ST7E Square Step-Can with Plastic Liner

$202.00

Choose Color:

◯ White   ◉

Qty: 1   Add To Basket

Questions?
Please call +1-800-810-7847 or email u

Description   **Specs**

Specs

Height: 14.25 in 50.8 cm
Length: 10.50 in 42.5 cm
Width: 10.5 in 41.3 cm

3M™ Avagard™ Family
Wall Brackets and Dispensers

Strong
Support
For Improving Hand Hygiene Compliance

3M™ Avagard™ Family of Hand Antiseptics
Wall Brackets and Dispensers

Are you looking for another way to support hand hygiene compliance? Here are three reasons these wall brackets and dispensers can help:

- Promotes patient safety by putting an effective hand hygiene product right where your staff needs it.
- Color may increase awareness for hand hygiene compliance.
- Helps create awareness of hand hygiene, a key critical factor influencing adherence to protocol.*

* Backed by CDC, Joint Commission and the 3M Six Sigma Hand Hygiene Compliance Program in 5 facilities

3M Infection Prevention Solutions

Lead
The Way

3M

Ordering Information

Cat. No.	Product Name	Description	Size	Items/Case
9201A	3M™ Avagard™ Wall Bracket and Foot Pump	Use with 9200 and 9216	—	6
9202	3M™ Avagard™ Wall Bracket and Hand Pump	Use with 9200 and 9216	—	1
9203	3M™ Avagard™ Replacement Foot Pump	Use with 9201	—	1
9236	3M™ Avagard™ D Wall Bracket (white) (Available through your 3M Infection Prevention representative)	Use with 9222, 9338, 9431 – 500 mL pump bottle	3.43˝ w x 8.44˝ h x 3.81˝ d	16
NEW 9246	3M™ Avagard™ Foaming Wall Bracket (white)	Use with 9321 – 500 mL pump bottle	3.43˝ w x 8.47˝ h x 3.81˝ d	16
9228	3M™ Avagard™ Hands Free Wall Dispenser	Use with 9200 and 9216	—	4
9240	3M™ Avagard™ Hands Free Wall Dispenser	Use with 9230 and 9322A	7.3"w x 12.5"h x 4.0˝ d	4
9241	3M™ Avagard™ Manual-Push Dispenser	Use with 9230 and 9322A	7.2"w x 11.9"h x 4.0˝ d	4

Purple Model 9226 is the preferred color which is similar to this one

To learn more, contact your 3M Representative, or call the 3M Health Care Helpline at 1-800-228-3957, or visit us at www.3M.com/avagard.

EACH

Enlarge Image

3M™ Avagard™ D Antiseptic Pump Wall Bracket

Permanently mount Avagard™ D hand antiseptic to the wall. 3-7/16"W x 3-13/16"D x 8-7/16"H.Purple.

Features & Specs

Permanently mount Avagard™ D hand antiseptic to the wall. 3-7/16"W x 3-13/16"D x 8-7/16"H.Purple.

Consid

GBC
Cros

MCKESSON

#228142 | Phipps & Bird #28-GBV-01

Glove Box Holder McKesson By Design™ Vertical Mounted 1-Box Capacity White 3-3/4 X 5-1/4 X 9-1/2 Inch Steel Used for BioSurf 500 ml Bag Dispensing Holder

HOLDER, GLOVE BOX VERT WHT MGM28

Professionals Also Viewed

#519596 | McKesson Brand #16-6530

Glove Box Holder McKesson Horizontal or Vertical Mounted 3-Box Capacity Clear 3-1/8 X 10-1/4 X 15-1/4 Inch Plastic

- 10-1/4 L x 3-1/8 D x 15-1/4 H Inch
- Holds three glove boxes
- Clear plastic adds durability and easily allows user to distinguish gl …

#464712 | McKesson Brand #16-6532

Glove Box Holder McKesson Horizontal or Vertical Mounted 2-Box Capacity Clear 4 X 10 X 10-3/4 Inch Plastic

- 10" L x 4" D x 10-3/4" H
- Holds two glove boxes.
- Clear plastic adds durability and easily allows user to distinguish gl …

#464711 | McKesson Brand #16-6534

Glove Box Holder McKesson Horizontal or Vertical Mounted 1-Box Capacity Clear 4 X 5-1/2 X 10 Inch Plastic

- 10" L x 4" D x 5-1/2" H
- Holds single glove box.
- Clear plastic adds durability and easily allows user to distinguish gl …

#855129 | McKesson Brand #2264

Glove Box Holder McKesson Prevent® Vertical Mounted 1-Box Capacity Putty 3-7/8 X 6-1/2 X 11 Inch Plastic

- Putty
- 11 L X 3-7/8 D X 6-1/2H inch
- Designed to dispense gloves conveniently underneath the sharps cabinet …

McKesson #	228142
Manufacturer #	28-GBV-01
Brand	McKesson By Design™
Manufacturer	Phipps & Bird
Country of Origin	United States
Application	Glove Box Holder
Capacity	1-Box Capacity
Color	White
For Use With	For Standard Glove Boxes
Material	Steel
Mounting Type	Vertical Mounted
Size	3-3/4 X 5-1/4 X 9-1/2 Inch
Specifications	White, Steel, Scratch Resistant, Mounting Hardware Included
UNSPSC Code	42132201
Latex Free Indicator	Not Made with Natural Rubber Latex

Used for BioSurf 500 ml Bag Dispensing Holder

Features

- McKesson By Design™ Vertical Single Glove Box Holder
- White
- 3-3/4 L X 5-1/4 W X 9-1/2 H inch
- Vertically holds one box of gloves
- Stain- and scratch-resistant powder-coated finish
- Mounting hardware included
- Not Made with Natural Rubber Latex.
- Packaged: Each

More Information

- Available Colors

0
all US

1-877-463-5818
Share
FREE SHIPPING ON MOST ORDERS OVER $299*

Metrex Research Manual Dispenser

Manual Dispenser

By **Metrex Research** | MFG Part #: 10-1830 | SKU: MTRX10-1830

☆☆☆☆☆ **Write Review** | 💬 Ask a question

Metrex Vionexus Manual Dispenser & Accessories. This soap dispenser dispenses just the right amount, decreasing waste and mess.

Sold By: 10 Per Case   weeks
Usually ships in 2-3

Optional Tray

Have a Question?

1-877-463-5818
Email Customer Service

Price **$305.74**

1

Add to Cart

Starting at $29/mo with
affirm. Learn more

B2B Customers ?

Add to Quote

GPO Pricing Available

---

0   0
Specification   **Reviews**   **Q&A**

Overview

Product Description

Provides A Premeasured Application, decreasing waste and mess.For Use With Vionexus No Rinse Spray.

Features

- Dispenses a specific amount

Specification

- for 1 liter
- 10 per Case
- Manual Dispenser

MEDLINE

Biohazard Sharps Containers by Covidien

CONTAINER, SHARPS, 5QT, CLEAR

- Easy-to-see fill levels
- Horizontal drop helps maximize storage and safety
- Puncture resistant

Packaging	**1 Each / Each**
Manuf / Supplier	**Medtronic Usa**
Manuf / Supplier #	**85121**

SKU **SWD85121H**

Specifications

Specifications	Values
Cabinet Compatibility	SWD85161H
Color	Clear
Container Type	Sharps/Biohazard Container
Counter Balanced Lid	No
HPIS Code	460_70_0_0
Latex Free	Yes
Lid Compatibility	Yes
Nested	Yes
Product Size	5 Quart
Product Type	Sharps Disposal Container
Size	5 qt us
Size_Gallon	1.25 Gallon
Tortuous Lid	Yes
UNSPSC	42142531
Unit Compatability	Swd8518x Locking Bracket

Unit of Measure	Conversion	Net / Gross Weight (lbs)	Volume (cubic ft)	Dimensions (inch) L x W x H	GTIN
Each (EA)	**1.0 Each**	**0.0 / 0.775**	**0.325**	**10.75 x 4.75 x 11.0**	
Case **(CS)**	20.0 Each	0.0 / 12.0	2.354	25.375 x 14.25 x 11.25	

HCPCS Information

HCPCS Code: NO CODE - PRODUCT DOES NOT MEET HCPCS SPECIFICATIONS

HCPCS Disclaimer: HCPCS codes and Home Health Consolidated Billing codes provided by Medline are intended as general guidelines only. Medline does not guarantee coverage or reimbursement of any products. You must address all coverage and reimbursement issues (including the correctness and accuracy of codes) with your individual payers. It is your responsibility to ensure the accuracy and appropriateness of each claim you submit, in accordance with all applicable payer requirements.

Move your mouse over image or click to enlarge

Safety Data Sheet Documents

No SDS content is available for this product.

Sharps Container (Wall Mount) Cabinets by Covidien
CABINET, SHARPS, 2 & 5 QT, WALL ENCL

- Mounted wall enclosures secure sharps containers, keep counter space clear, and help prevent access to contents in high traffic areas.
- Contents can be viewed by hospital personnel, but unsightly items are not fully visible to patients and visitors.
- These sturdy enclosures are made of ABS plastic - the same material used in football helmets.

Packaging	**1 Case / Each**
Manuf / Supplier	**Medtronic Usa**
Manuf / Supplier #	**85161H**

SKU **COV85161H**

Move your mouse over image or click to enlarge

Safety Data Sheet Documents

No SDS content is available for this product.

Specifications

Specifications	Values
HPIS Code	460_70_0_0
Latex Free	Yes
UNSPSC	42000000

Unit of Measure	Conversion	Net / Gross Weight (lbs)	Volume (cubic ft)	Dimensions (inch) L x W x H	GTIN
Case **(CS)**	1.0 Each	0.0 / 2.7	0.526	12.4 x 5.6 x 13.1	10884521019218
Each (EA)	**1.0 Each**	**0.0 / 2.7**	**0.526**	**12.4 x 5.6 x 13.1**	**10884521019218**

HCPCS Information

HCPCS Code:

HCPCS Disclaimer: HCPCS codes and Home Health Consolidated Billing codes provided by Medline are intended as general guidelines only. Medline does not guarantee coverage or reimbursement of any products. You must address all coverage and reimbursement issues (including the correctness and accuracy of codes) with your individual payers. It is your responsibility to ensure the accuracy and appropriateness of each claim you submit, in accordance with all applicable payer requirements.

MADE IN THE **USA**

Shelf is removable to convert two smaller compartments to one large storage area

Product Description:

- Protection System - Surgical
- Holds a variety of protective apparel in four compartments, O.R. coveralls/jumpsuits or gowns, and a variety of medical supplies in built-in storage area
- Hinged lid over bulk compartments
- Removable shelf for one large storage area
- Keyholes for wall mounting
- Made of quartz ABS plastic and clear PETG

Primary Area for Product Usage:

- Primary care areas: O.R. dressing rooms, surgery centers, labs, dental centers, interventional radiology
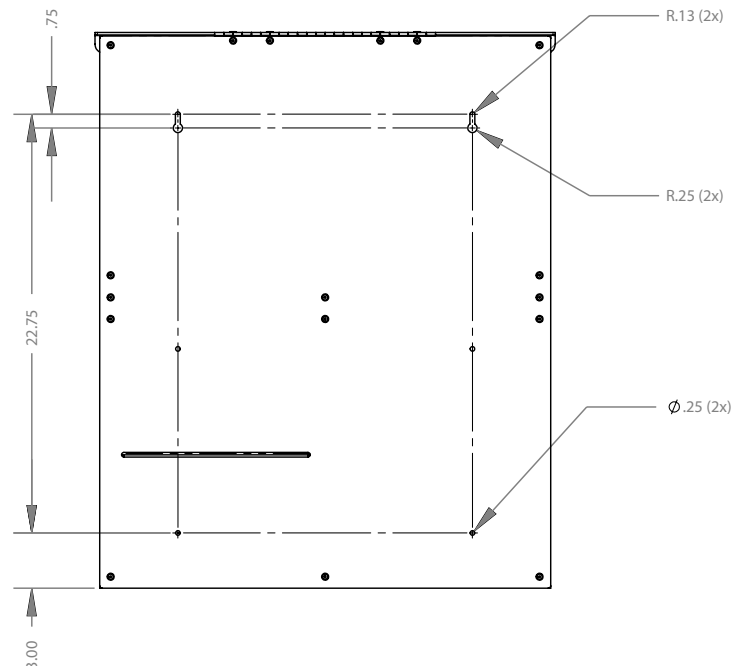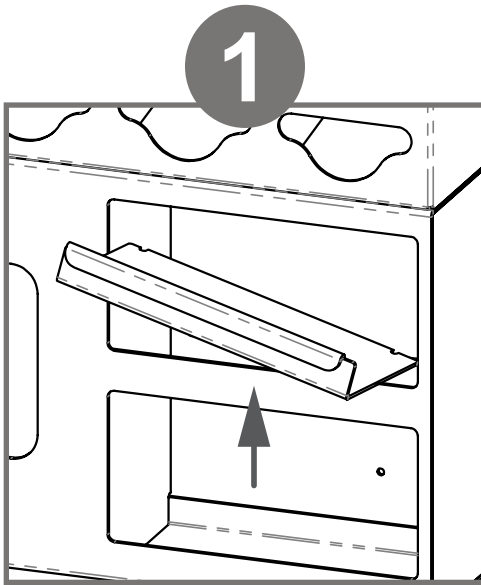
Package Specifications:

- 27"L x 8"W x 32"H (68.6 cm x 20.3 cm x 81.3 cm)
- 14.0 lbs (6.4 kg) - approximated

## Product Specifications (overall external dimensions):

- 25.00"W x 30.19"H x 6.75"D (63.5 cm x 76.7 cm x 17.1 cm)
- 11.7 lbs (5.3 kg) - approximated

Mounting Specifications:

R.13 (2x)

R.25 (2x)

⌀.25 (2x)

.75

22.75

3.00

BOWMAN®

HealthCare Dispensers

Protection Organizer - Surgical
Assembly Instructions

1

To remove shelf, grip shelf lip at center, lift and tilt. Pull the shelf through the front, creating one large storage area.
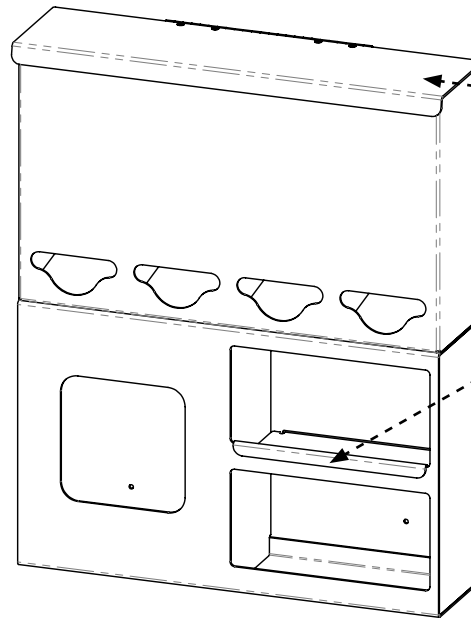
Hinged lid makes filling the four bulk compartments quick and easy.

Removable Shelf provides option for larger supplies or two smaller compartments.

2
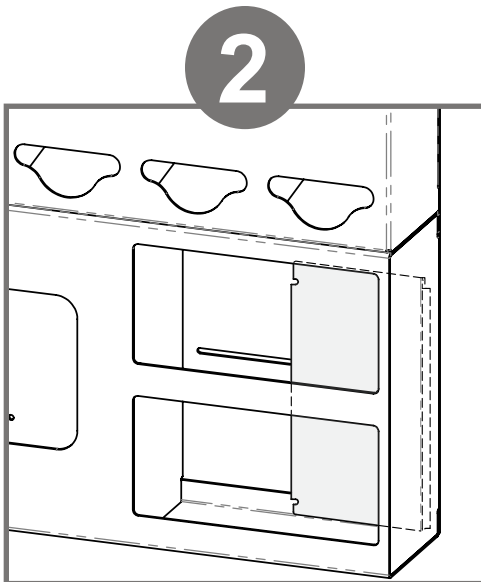
The shelf can be stored inside the unit in the same area, behind the dispensed product, either horizontally or vertically, as shown.

3
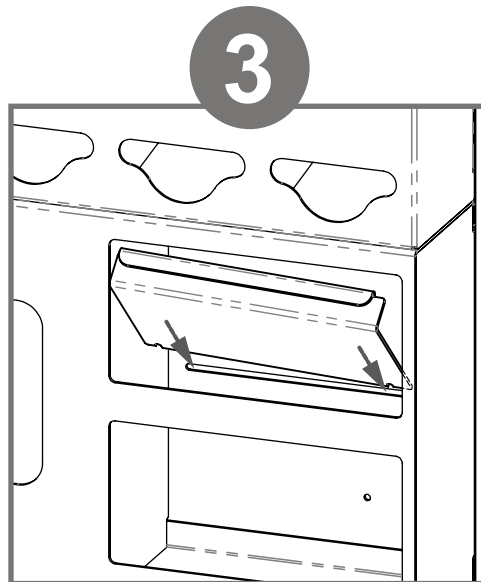
To insert shelf, fit back edge of shelf into notched back of organizer through top section. Lower shelf lip to rest on edge of opening.

4
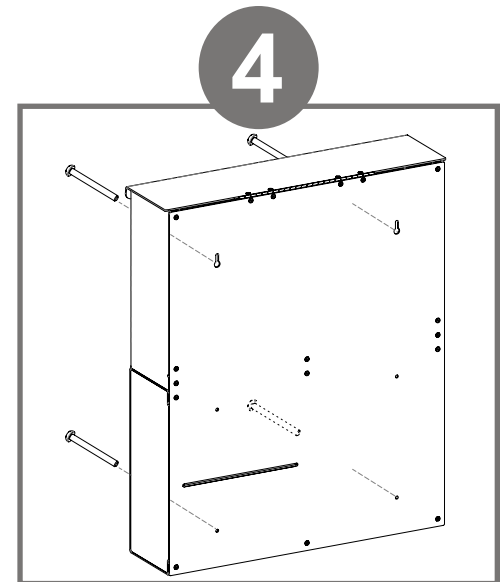
Organizer should be mounted securely to a wall through keyholes and through-holes in back with screws approved and provided by building maintenance.

Parts included:
- Organizer
- Shelf

Tools required:
- No tools are required for assembly of the organizer

Advantage

Designed for Long-Term Heavy-Duty Applications

The combination of copolymers (Acrylonitrile, Butadiene, and Styrene) gives ABS an excellent combination of strength, rigidity, and toughness.

Major Benefits

Durable

ABS has good chemical and stress-cracking resistance. It is tough, dimensionally stable, and will hold up to long-term use.

Cleaning

Use mild cleaner or soap and water to clean. Petroleum-based oils, solvents, and paints should not be used.

Strength

ABS plastic possesses good strength and performance characteristics at a reasonable cost. These qualities make it perfect for a wide variety of applications, including medical and laboratory equipment.

Appearance

The quartz, lightly textured finish has a clean, attractive look.

Lower half, lid and back of dispenser is ABS Plastic

ABS PLASTIC - Construction and Care
© 2013 Bowman Manufacturing Co., Inc. All rights reserved.

Bowman Manufacturing Company, Inc.
17301 51st Ave NE
Arlington, WA 98223
www.BowmanDispensers.com

BOWMAN®
HealthCare Dispensers

E146 4/4

PS017-0212
PETG Plastic
Material Construction & Care Details

Advantage

Designed for Long-Term Heavy-Duty Applications

Copolyester resin is designed for heavy-duty applications, and is used by Bowman® HealthCare Dispensers exclusively.

Major Benefits

Toughness

Copolyester (PETG) is typically 15-20 times tougher than general purpose acrylic. PETG is made to withstand handling and reduce losses due to breakage.

Chemical Resistance

PETG resists a variety of chemicals and commonly used cleaning agents.

Impact Strength

PETG is tough and durable (not brittle), providing years of trouble-free functionality and long life.

Clarity and Gloss

PETG looks good and makes an attractive display. Clear optical characteristics mean the viewer can see the content, read text, and see true colors through the material. Complies with FDA regulations for food contact.

Easy to Clean

Use clean soft cloths or sponges to wash with mild cleaners and follow with a warm water rinse. Do not use abrasives, high alkaline cleaners, or petroleum-based products. Do not leave cleaners on PETG for long periods, wash immediately. Don't apply cleaners in direct sunlight or at elevated temperatures. Do not use scrapers, squeegees, or razors.

Clear plastic on four bulk dispensing areas is PETG plastic

Improve business efficiency • Improve employee workplace safety • Improve patient care & management

Omni Quadruple Glove Box Holder - #305304

Steel glove box holders are built for heavy duty use. Constructed of durable stainless steel. Easy to care for finish that will withstand years of use and still look new. They are ideal for use in medical, lab and food prep functions or any area where cross contamination is an issue or protective gloves are needed. These holders are simple to load and can be mounted vertically or horizontally on a variety of surfaces. Each glove box holder accommodates up to four different glove sizes to meet staff needs. The dispenser measures 10 inches high by 16 inches wide by 3 3/4 inches deep. All single glove boxes fit this model. This unit includes a 5 year warranty.

- Stainless steel strength and durability
- Easy to clean, load and mount
- Vertical or horizontal holder for four glove boxes
- Measures 10" H by 21" W by 3¾" D

WERNER

3-STEP TYPE II BLACK/SILVER STEP STOOL 223-6
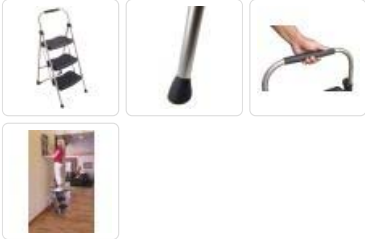
RESOURCES

View 200-6 Series Page
Ladder Safety Inspection Form
Replacement Parts

★☆ 3.9 | 10 Reviews
7 out of 8 (88%) reviewers recommend this product

50 questions and 50 answers for this product

Write a review   Ask a question

OVERVIEW

STYLE	NUMBER OF STEPS	SIZE	MAX. SAFE WORKING HEIGHT	REACH HEIGHT	LOAD CAPACITY
Standard	3	3 Step	28in	9ft	225lb

The 223-6 3-Step Type II Black and Silver Step Stool has a duty rating of 225lb and features a large standing platform for security and comfort. Large non-marring feet. This ladder is lightweight and easy to open and close.

BUY NOW

FEATURES

- Large standing platform for security and comfort
- Large non-marring feet
- Lightweight and easy to open and close

SPECIFICATIONS

FEATURE	SIZE / DETAILS
Werner Benefit	Large standing platform for security and comfort
Unique Features	Compact Designs,Lightweight Products,Wide and Comfortable Platforms
Style	Standard
Number of Steps	3
Max. Safe Working Height	28in
Max. Standing Height	28in
Reach Height	9ft
Load Capacity	225lb
Approx. Product Width (in)	18.5
Material	Steel
Color of Ladder Rail	Black, Metal
Approx. Cu. Ft. Per Unit	1.17
Approx. Product Weight (lb)	13
Approx. Shipping Weight (lb)	14.87
Certifications	ANSI A14.2 (2007),OSHA
Duty Rating	Type II Duty Rating
Folded Dimensions	48in x 18.48in x 2.4in
Foot Material	Mar-resistant feet
Height to Platform	28in
Max. Load	225lb
Platform Depth	14in
Platform Width	14in
Rail Length	30in
Size	3 Step
Steps/Rung Dimension	15.4in x 7.7in

Monoject™ SharpStar™ In-Room Sharps Containers

Engineering features include:
- Restricts hand accessibility. Directs sharps away from user
- Safety mechanism prevents over-filling
- Prevents sharps from exiting the lid
- Horizontal drop maximizes container space
- Bold red FULL indicator alerts user to replace container
- Permanently locks to keep hands away from contents
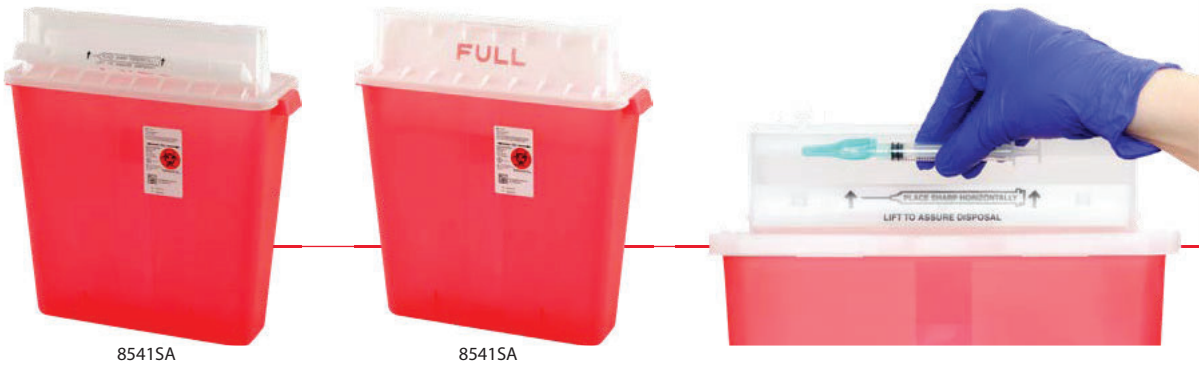
8541SA   8541SA

Order code	Description	Container dimensions H x D x W in.	Lid opening dimensions L x W x H in.	Case qty.
8506SA	5 quart, clear	12.5 x 5.5 x 10.75	8.75 x 1.25 x 1.25	20
8507SA	5 quart, transparent red	12.5 x 5.5 x 10.75	8.75 x 1.25 x 1.25	20
8507MW	♲ Renewable, 5 quart, opaque red	12.5 x 5.5 x 10.75	8.75 x 1.25 x 1.25	20
8533SA	2 gallon, clear	11.75 x 6 x 13.75	8.75 x 3.75 x 1.75	10
8534SA	2 gallon, transparent red	11.75 x 6 x 13.75	8.75 x 3.75 x 1.75	10
8536SA	3 gallon, clear	16.5 x 6 x 13.75	8.75 x 3.75 x 1.75	10
8537SA	3 gallon, transparent red	16.5 x 6 x 13.75	8.75 x 3.75 x 1.75	10
8537MW	♲ Renewable, 3 gallon, opaque red	16.5 x 6 x 13.75	8.75 x 3.75 x 1.75	10
8540SA	4 gallon, clear	18.5 x 6 x 16.5		10
8541SA	4 gallon, transparent red	18.5 x 6 x 16.5		10

Reminder: Containers may vary in color, but are most generally indicated by colors in construction.

■ Biohazardous

◀ **Contents** ▶

Monoject™ Container Hardware
Brackets

Brackets secure sharps containers to walls and med carts by maintaining the container upright throughout use. Locking brackets are available to help prevent access to contents in high traffic areas.

- Locking wall brackets are unobtrusive and securely hold container in place
- According to NIOSH's guidance, containers should only be used with hardware that is manufactured specifically for them[1]
- OSHA Regulation 29 CFR 1910.1030(d)(4)(iii), "During use, containers for contaminated sharps shall be maintained upright throughout use..."
- Cardinal Heath offers a complete line of brackets and holders to ensure your safety and compliance

8528C
Container not included
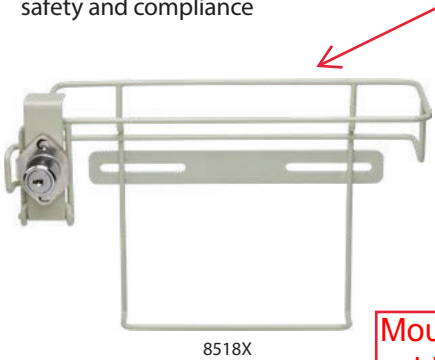
31307062

8518X

Mount on inside of cabinet door

8963

Order code	Description	Dimensions H x D x W in.	Case qty.
31307054	Locking wire bracket, 5 quart, 2 and 3 gallon	–	10
31307062	Non-locking 5 quart, 2 and 3 gallon safety in-room	–	10
8518X	Locking bracket 2 and 5 quart in-room	8.25 x 6.5 x 11.25	5
8524C	Non-locking bracket for 2 and 3 gallon in-room	11.75 x 6.5 x 13.75	5
8528C	Locking bracket for 2 and 3 gallon in-room	11.75 x 6.5 x 13.75	5
8912SA	Non-locking bracket for 1 quart phlebotomy container	5 x 4.25 x 5	5
8926	Locking wire bracket for 2 quart multi-purpose with rotor lid	–	5
8963	Locking wire bracket for 2 gallon, multi-purpose, RCRA, universal, pharmaceutical and chemotherapy containers	8.25 x 7.5 x 11.5	5
8519C	Non-locking bracket for in-room sharps container, 2 quart and 5 quart	8.25 x 6.5 x 11.25	5
8881676012	Aluminum bracket for 4, quart, 8 quart and 14 quart vertical drop containers	–	10
8975	Wire wall bracket 2 gallon multi-purpose, RCRA, pharmaceutical, chemotherapy containers	7.5 x 6.5 x 10	5
8984-	Locking wire wall bracket for 8 gallon containers	18 x 9.75 x 15.5	5

Reference: 1. https://www.cdc.gov/niosh/docs/97-111/pdfs/97-111.pdf?id=10.26616/NIOSHPUB97111

ErgoTech™ Workstations

Note: Obtain information from Owner on Certification where required prior to Inspections

The ErgoTech's ergonomic design makes the work day more efficient and comfortable. Standard with 110-watt color corrected lighting and two case pan shelves, this all steel durably constructed workstation will stand the test of time.

Standard Features Include:
Variable speed independent dust collection system with front suction and grinding hood, 110-watt color corrected lighting and two case pan storage shelves, 1/2" Solid Surface countertop, steel construction, powder coating, drawers, gas valve, electrical outlets, and air blow gun

Optional Items:
Handpiece, fixed arm rests, 2x Magnifer

Photo shown with optional arm rests and magnifying lens

Ordering Information

ErgoTech Workstation	Part Number	Retail
ErgoTech Workstation with Top, 32" Height*	9748EZ	$9,572.00
ErgoTech Workstation with Top, 34" Height	9748EZ-34	$10,028.00

NOTES:
*Also available in optional 30" height.

DentalEZ
INTEGRATED SOLUTIONS

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Ergotech Self-Contained Workstations

Each Ergotech™ workstation has a quiet, powerful, vibration-free, fractional horsepower, variable-speed dust collector motor with a lighted power switch. Dust is collected in a unique, disposable filter bag. The dust collector motor may be operated in either manual or automatic modes. In manual mode, the power switch operates the dust collector motor. In automatic mode, the electric handpiece controls the dust collector motor. The control panel includes indicator lights, which monitor the performance of the filter bag and dust collector motor. Exceptional shadow-free lighting is provided by 2 55-Watt color-correct fluorescent tubes. Individual Ergotech lab benches are shipped pre-piped for gas and air, and pre-wired for electricity.

Functional features to make your work easier and more precise...

- Individual dust collecting system with removable suction hood and safety shield
- 2.5X magnifying lens*
- Generous size magnetic vinyl top saver
- Solid, 1/2" solid work surface
- Removable, stainless steel scrap drawer
- Removable, adjustable arm boards*
- All steel construction with durable scratch and chip resistant powder coating finish
- Single workstations, pre-piped for gas and air, pre-wired for electricity
- AGA approved gas valve for Bunsen burner   ← No Gas
- OSHA compliant air gun with regulator
- Drawer storage cabinet with steel roller bearings
- 110 watt color correct full-spectrum fixed height lighting system with 2 case pan storage shelves

Optional features
No. 9748: 24" x 48" Footprint; Available 32" or 34" high

NevinLabs Standard Color Options

Steel:
Postal Blue
Backdrop
Electric Blue
Newport Blue
Teal
Chocolate Brown
Nevada Beige
Patriot Red
Rose
Mauve
Bisque
French Grey
Fashion Grey
Arctic

Solid Surface:
Sanded Gray
Sanded Vermillion

NevinLabs™ Workstations

Ergotech Self-Contained Workstations

1 / 1

(800) 544-5337

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![Ray Foster](https://www.fosterdental.com/)

Ray Foster Dental Equipment
5421 Commercial Drive
Huntington beach, CA 92649

📞 (800) 654-4519

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Model MT12

12" Model Trimmer

Ray Foster Model Trimmers are constructed from heavy gauge cast aluminum with stainless steel and solid brass fittings. The machines are finished, inside and out, with a high gloss white epoxy coating that offers durability, corrosion resistance, and a very attractive finish. Resiliently mounted and precision balanced for smooth, quiet operation, they are designed to assure years of service free performance under the most demanding laboratory use. The Ray Foster Model Trimmers are the original "swinging door" trimmer and is the benchmark by which other model trimmers are measured.

Model MT12

- Heavy-duty, capacitor start ball bearing motor
- Adjustable work table – Full radius water spray
- Reversible grinding wheel – Hinged door secured by single knob
- Optional automatic water valve – Motor is UL recognized and CSA certified for electrical safety

Include Automatic Water Valve

Specifications

- 1/2 HP motor, with 1.25 service factor producing .625 HP actual power
- 12" diameter, 1/4" thick grinding wheel
- 5-1/4" wide, 5" high cutting surface
- 17" high, 17" wide, 16" deep
- 115 volt, 60 Hz standard or ~~230 volt, 50/60 Hz optional for export~~
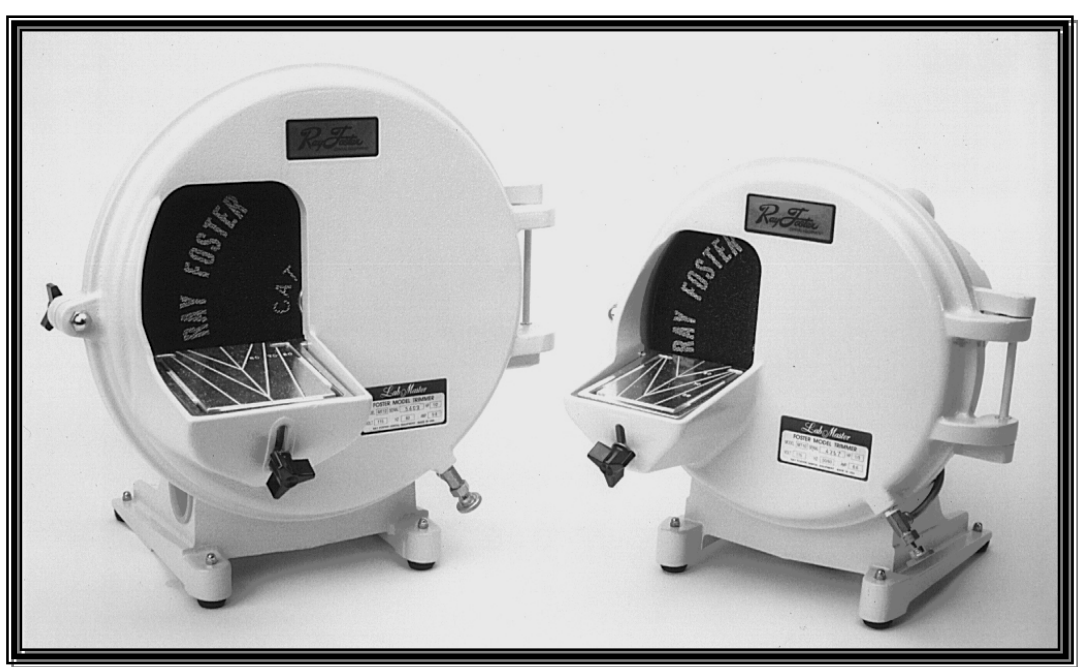- Net weight 41 lbs, shipping weight 49 lbs

Manual (https://www.fosterdental.com

MODEL TRIMMER

MODEL MT10, MT12, and MT15

Operating and Maintenance Instructions

Sales, Service, and Technical Assistance
Call Toll Free 800 / 654-4519

INTRODUCTION

Thank you for purchasing a quality **Foster** product. Your Foster Model Trimmer is designed to give years of trouble free service with minimal care and maintenance. Before putting your new machine to work, please become familiar with this operator's manual to obtain maximum performance and satisfaction.

IMPORTANT SAFTEY INSTRUCTIONS

WARNING! When using electrical tools, basic safety precautions should always be followed to reduce the risk of fire, electrical shock, and personal injury including the following:

✓ **Read and Save** this manual for future reference.

✓ **Use Proper Grounding.** Your Foster Model Trimmer is equipped with a three-conductor grounded cord and plug. It should be plugged into a three hole grounded receptacle of the same voltage as inscribed on the machine.

✓ **Power Cord.** Power supply, plug configuration, and electrical codes vary from country to country. The cord supplied with your Foster Alloy Grinder is approved for use in the country of destination. Use only this power cord or one that is approved for use in your country.

✓ **Plug into a Branch Circuit with 16A Circuit Breaker.** To reduce the risk of fire and to protect the units electrical system plug into a branch circuit with a 16 amp circuit breaker.

✓ **Disconnect the Power Cord.** Before performing any maintenance or repairs turn the unit off and unplug the power cord to prevent electrical shock or unintentional starting.

✓ **Wear Additional Eye Protection.** Protect your eyes from model trimming debris and the possibility of a fractured wheel by utilizing approved safety glasses or goggles when operating the Foster Model Trimmer.

✓ **Wear Respirator Dust Mask.** To protect against the inhalation of dust and fumes a dust mask should be worn while grinding.

✓ **Keep Your Fingers Away From the Grinding Wheel.** Use caution when operating the model trimmer. If the abrasive wheel appears dull, don't compensate by applying more pressure, change the wheel.

✓ **Always Keep the Door Securely Closed .** Be certain that the door is closed and secured with the door secure knob before turning the machine on. NEVER turn the motor on with the door open.

- ✓ **Wear Proper Clothing.** Do not wear loose clothing or jewelry, which may get caught in rotating parts. Tie back long hair.

- ✓ **Maintain the Unit.** Inspect periodically for damaged or worn parts. Follow the instructions for maintenance. Don't use if the power cord, motor, switch, or other parts are in poor condition. Don't use if the unit has been dropped or damaged. Have a qualified service person inspect and replace parts when necessary.

- ✓ **For Laboratory Use Only.** The Foster Model Trimmer is intended for use by trained professional laboratory personnel only.

INSTALLATION

Place the model trimmer in a suitable counter top location next to a sink and near a water source.

Water is supplied to your Foster model trimmer through a flexible polyethylene hose, which is fitted with a 1/4" male pipefitting. If the available water source is other than a 1/4" female pipe fitting, an adapter must be obtained to complete the installation. A local plumbing supply will usually have the required adapter.

NOTE: It is recommended that you do NOT use copper tubing to connect the model trimmer to the water supply. The problem with copper tubing is that it is not flexible. This nullifies the feature of the hinged door because the hose must flex when opening the door.

Water is discharge from the model trimmer through a 24" x 1" ID flexible hose. Be sure that the hose slopes downward to the drain allowing gravity to drain the model trimmer.

Longer lengths of both water supply and drain hose are available from Ray Foster Dental Equipment if needed.

PREVENTIVE MAINTENANCE

FLUSH THE MODEL TRIMMER DAILY
Your Foster model trimmer is a workhorse in the dental laboratory. It requires daily flushing and cleaning to prevent gypsum buildup and clogging. At the end of each use allow the motor to remain on and open the water adjustment to maximum for about 20 seconds. Turn the water off and allow the motor to run for an additional 10 seconds. Wipe the exterior of the model trimmer off at the end of each workday.

ELECTRIC MOTOR
The motor installed on Foster model trimmers is equipped with permanently lubricated, sealed ball bearings. No lubrication or maintenance is required.

DOOR SECURE
When closing and securing the door, do NOT tighten the door secure knob. It is only necessary for the door to "touch" the base casting for a leak free fit. Over tightening may cause leakage.

USE PLENTY OF WATER
The use of an adequate amount of water while trimming will keep the wheel clean and cutting. An inadequate volume of water will result in a clogged unusable wheel.

CHECK THE WATER SPRAY TUBE
It's a good idea to occasionally check the water spray tube to be sure all holes are open. A straighten paper clip is useful in opening plugged holes.

WATER VALVE
The brass water valve located on the door of the model trimmer is intended to be used as a flow control only, and not intended to be used as a water shut-off valve.

MODEL AND SERIAL NUMBER
When ordering parts or requesting service always give the machine model number and serial number which are inscribed on the identification plate located on the front of the Lab Master Model Trimmer.

EXCESSIVE VIBRATION

Excess vibration from your model trimmer is a result of one or both of the following:
1. An imbalance in the aluminum back plate as a result of accumulation of plaster and stone on the back.
2. An out-of-balance abrasive wheel due to stone build-up and/or wear, or an improperly balanced or non-balanced wheel. NOTE: Abrasive wheels purchase from us are precision balanced for smooth running. This is done by removing a portion of the heavy edge. As a result of the balancing process the wheel may be out-of-round, but is in balance.

To determine and correct an imbalance follow this procedure:
1. Remove the abrasive wheel from the model trimmer, close and secure the door, and turn the model trimmer on with the wheel removed. If the vibration has ceased, the problem lies with the grinding wheel, and a replacement is needed. NOTE: Sometimes the center mounting devise of the wheel (P/N M095 - Lock Button) is worn and does not center the wheel properly. A wheel that is mounted off center will also cause vibration. To check the Lock Button, remove it together with the wheel, and check it's fit in the center hole of the

wheel. It should slip into the center hole with no play. If it is not a snug fit, it should be replaced.

2. If the vibration is still present with the wheel removed, the problem lies with the aluminum back plate (P/N M222 for MT10, P/N M221 for MT12 and MT15). The backing plate must be removed and cleaned of all plaster, or replaced. To remove the aluminum back plate a Back Plate Removal Tool (item M816) is needed. Please refer to the "Accessories" section of this manual.

INSTALLATION OF REPLACEMENT WHEELS

1. Unplug the model trimmer from the electrical power source, remove the door secure knob (A), and swing the door open wide.
2. Loosen the three screws and remove P/N M095 Lock Button (B). The old wheel may now be removed from the trimmer. Remove the P/N M096 Cork Gasket (C) from the backside of the attach button, and replace it with the new gasket included w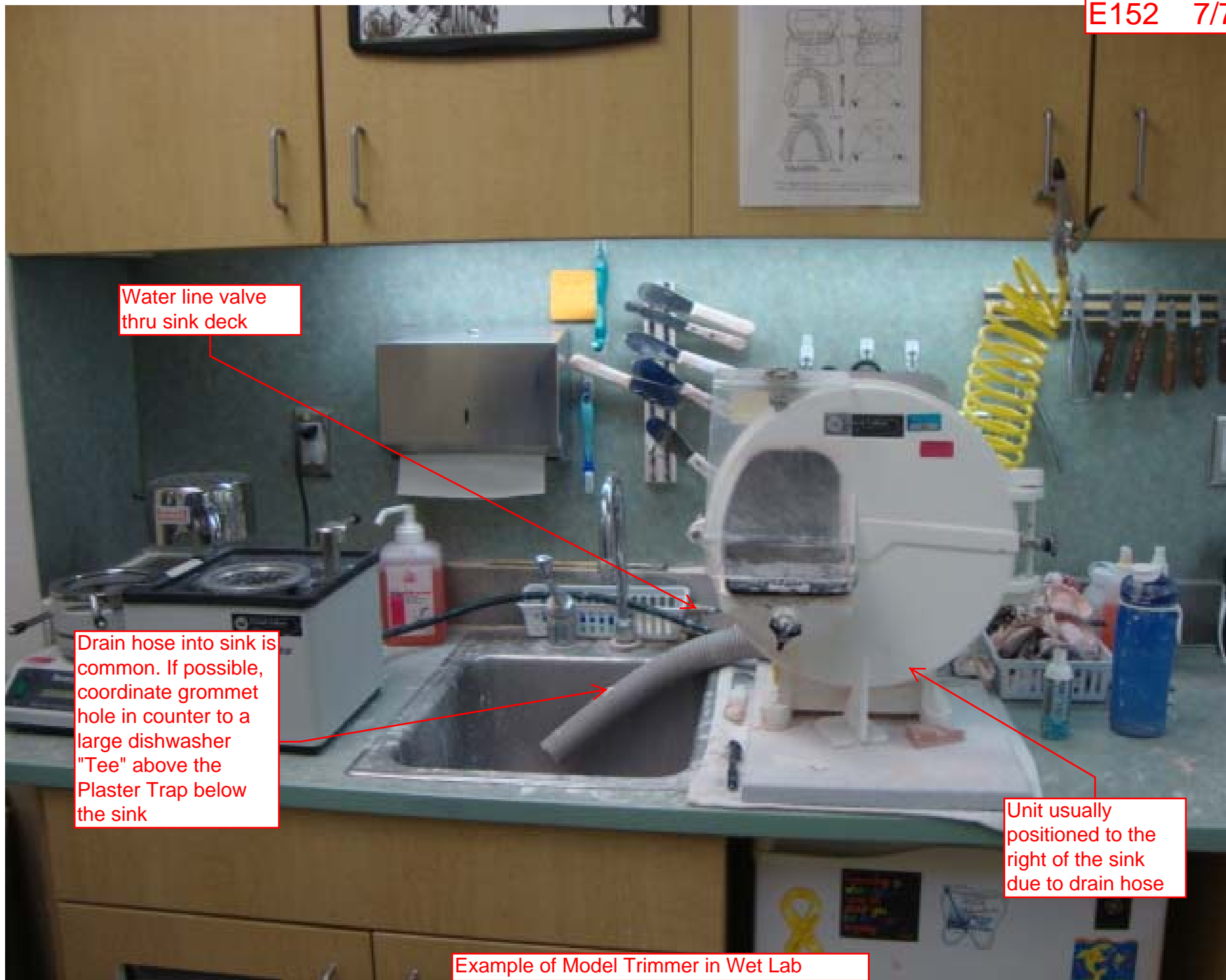ith all Foster replacement wheels. If only reversing the existing wheel or using a wheel from a source other that Ray Foster, make sure that the existing cork gasket is in good condition, if not, a new one is needed. This is essential in preventing slippage of the abrasive wheel.
3. Install the new replacement wheel flush with the aluminum back plate, aligning the center of the wheel with the arbor hole of the back plate, and aligning the drive pin hole (D) of the wheel with the drive pin of the back plate.
4. Replace the lock button with the three screws. Tighten the three screw evenly, in rotation, and firmly enough to pinch the cork gasket.. Close the door of the model trimmer, and secure it with the Door Secure Knob (A). Your Foster model trimmer is now ready to operate. CAUTION: NEVER OPERATE OR TURN ON THE MODEL TRIMMER WITH THE DOOR OPEN.

Drawing 2

Door secure knob
A

D

B
Attaching Button
(Foster Part No. M095)

C
Corkprene Gasket
(Foster Part No. M096)
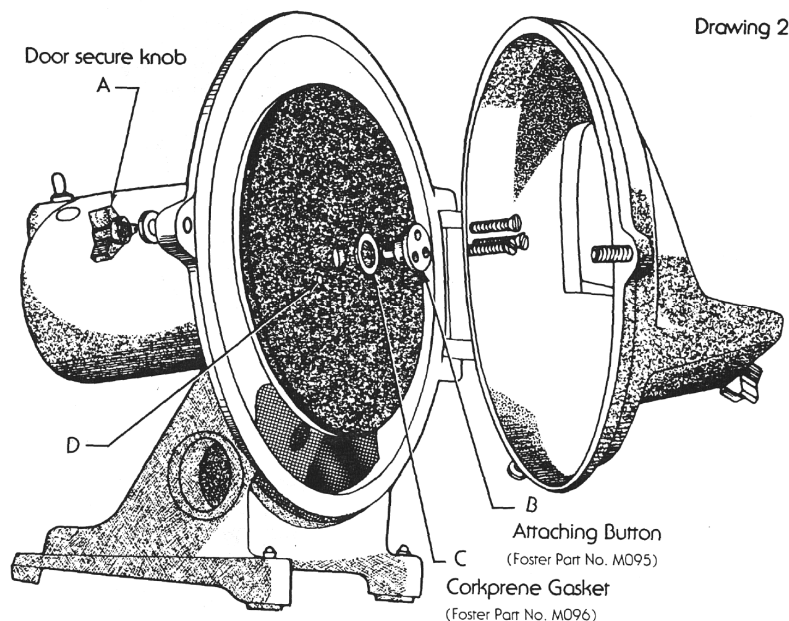
Water line valve thru sink deck

Drain hose into sink is common. If possible, coordinate grommet hole in counter to a large dishwasher "Tee" above the Plaster Trap below the sink

Unit usually positioned to the right of the sink due to drain hose

Example of Model Trimmer in Wet Lab

DentalEZ® Equipment | **NevinLabs™ Workstations** | RAMVAC® Utility | StarDental® Instruments

See E165 for Dust Collection Accessory

POLISHERS AND CONDITIONERS

POLISHING LATHE

with Wells Quick Chuck, 1/3 HP, 2 speeds. 1725/3450 RPM. 5-1/4" shaft. 115V, 60hz, single phase.

POLYPROPYLENE POLISHER

Heavy-gauge rubber splash pans, a light over each spindle, adjustable safety shield for each spindle, and a safety reset switch. Each spindle has a non-woven disposable filterbag.
Measures 19 ¾"H x 31 ½"W x 19 ¾"D. 120V

STAINLESS STEEL POLISHER

Lathe has two operating speeds: 1800/3600 rpm.
Measures: 19 ¾"H x 31 ½"W x 19 ¾"D. Requires 110V, 50/60 Hz electrical power.

Ordering Information		Retail
380WCT	POLISHING LATHE	$1,478.00
550	STAINLESS STEEL POLISHER	$6,468.00
80502	POLYPROPYLENE POLISHER	$3,225.00

HYDROCOLLOID CONDITIONER

Stainless steel construction. Includes safety features: motor thermal relay, overheating probe, micro-switch on lid, fuse. High-torque geared motor. 115V.
Measures: 19.7"H x 12.6"W x 10"D. 1.5 gallon capacity.

Ordering Information		Retail
80510	HYDROCOLLOID CONDITIONER	$5,205.00

Vibrators

Buffalo

Our Premium Vibrators come in a variety of options. Ranging from small, medium and large, Buffalo Dental Vibrators are powerful and effective!

No. 200 Extra - Heavy Duty Vibrator

Our Largest, Most Powerful Vibrator for Multiple Flasks and Dense Castings

Large 10 ½" long x 7 ½" wide rubber-covered work platform for convenience and spill control. Improved electronics and fully variable speed control for easy and powerful operation. Solid, beige enameled housing provides stability and eases clean-up tasks. 4 ½" high. 19 lbs.

84500 No. 200 Vibrator, 120 V AC

No. 2 Heavy Duty Vibrator

Medium Size with High Powered Vibration

Ribbed 6" diameter rubber-covered platform designed to hold larger flasks. Features a three-speed control switch for variable operation. Beige enameled housing (11" wide x 4 ½" deep x 6 ½" high, 13 lbs.) for stability and performance.

84400 No. 2 Vibrator, 120 V AC

No. 1A Vibrator

Our Most Popular Vibrator- At a Surprisingly Affordable Price!

Improved 3-speed electronics and strong, dependable, performance make this our most popular small vibrator. Durable 4" diameter rubber cover and suction cup feet improve stability and ensure quiet operation. Small size (4 ½" long x 4 ½" wide x 4 ½" high, 6 lbs.) fits conveniently in office labs.

84350 No. 1A Vibrator, 120 V AC
84324 SplashCap™ Splash Guard for 1A and 1B Vibrators

No. 1B Vibrator

Small Vibrator with Variable Speed Foot Control

Identical size to our 1A Vibrator, but features foot pedal operation instead of a rotary switch. Pedal offers convenient hands-free operation and fully variable speed control.

84360 No. 1B Vibrator, 120 V AC

Please order today from your favorite Dealer!

Movable counter top plaster vibrators - moved to use and stored in these positions

Liquid ASSETS INC

Invented by
John Gleason
Gleason Enterprises

GLECO TRAP ®

U.S. Patent # 6,049,922

The Gleco Trap, marketed and distributed by *Liquid Assets, Inc.*, is an innovative, inexpensive solution to messy, hard-to-use sink traps. **The Gleco Trap** provides you with an economical plumbing trap that is easily installed and maintained. **The Gleco Trap** is connected below the sink and collects solids in a bottle. When the solids fill approximately 90% of the bottle, the excess water in the trap is drained through a valve, the bottle is exchanged with a replacement bottle, the valve shut and the trap is back in service. Bottle exchange is rapid and done without the need of tools (less than 2 minutes!). Most of all, there is no mess and minimal chance of water spillage.

GT64 PACKAGE

KEY BENEFITS

- Adapts easily to existing plumbing, wherever there is a p-trap (U-shaped joint).
- Smaller bottle means less odors generated in, and emitted from, the trap.
- Translucent bottle enables you to see the contents of the trap at any time.
- The fill line easily and quickly shows when the trap needs to be serviced.
- Drain valve allows for all the water above the bottle to be drained prior to removal, eliminating spillage.
- Replacing the bottle takes less than 2 minutes, from start to finish, with no tools, no spillage, and no risk of coming into contact with the solids contained within The Gleco Trap.

Three sizes available: The **GT64** is the most common package, suitable for most standard sinks. The **GT43** and the **GT19** are more appropriate for deep utility sinks or sink cabinets without much space under the sink. To determine your size, follow the directions on the inside of this flyer.

Eliminate cleaning out gunk like this with The Gleco Trap.

UPC ®

Solid Waste Containment Plumbing Trap manufactured to the requirements of IAPMO standard IGC 167-2001.

Product to be installed with other IAPMO R&T listed fittings, in accordance with the manufacturer's instructions, and the requirements of the latest edition of the Uniform Plumbing Code.

The Gleco Trap is made in the USA!
Ask your local supplier for The Gleco Trap
or visit www.sinktrap.net for more information.

GT19 PACKAGE *includes:*

2 • 19 ounce bottles
1 • 32 ounce bottle (for draining)
2 • Lids for extra bottles
1 • 1-1/2" x 8" sink tailpiece
2 • 1-1/2" slip-joint washers
4 • 1-1/2" slip-joint nuts
1 • 1-1/2" flat washer
1 • Extra O-ring
complete instructions
needs 11.5" minimum clearance

GT43 PACKAGE *includes:*

2 • 43 ounce bottles
1 • Lid for extra bottle
1 • 1-1/2" x 8" sink tailpiece
2 • 1-1/2" slip-joint washers
4 • 1-1/2" slip-joint nuts
1 • 1-1/2" flat washer
1 • Extra O-ring
complete instructions
needs 13" minimum clearance

INSTALLATION

Measure from here
To here

To determine the appropriate size for The Gleco Trap and replacement bottles, measure from the vertical center of the waste line to the floor.

STEP 1

STEP 2

STEP 3

STEP 4

Installation in most plumbing situations is fast and doesn't require tools. Simply remove the P-Trap and put The Gleco Trap in place (hand tighten only). Sink cabinets that have a small or tight area may require some creative plumbing solutions to maximize the space to fit The Gleco Trap into place. If you add extra bends or elbows to the pipe, they must be added on the waste line *after* The Gleco Trap (never between sink drain and The Gleco Trap).

YOUR SOURCE FOR THE GLECO TRAP:

If contact information is not showing here, please contact the plumber, plumbing supplier, clay supplier, or dental supplier where you originally purchased this Gleco Trap for additional Gleco Traps, bottles, or replacement O-Rings.

GT64 *includes:*
PACKAGE

2 • 64 ounce bottles
1 • Lid for extra bottle
1 • 1-1/2" x 8" sink tailpiece
2 • 1-1/2" slip-joint washers
4 • 1-1/2" slip-joint nuts
1 • 1-1/2" flat washer
1 • Extra O-ring
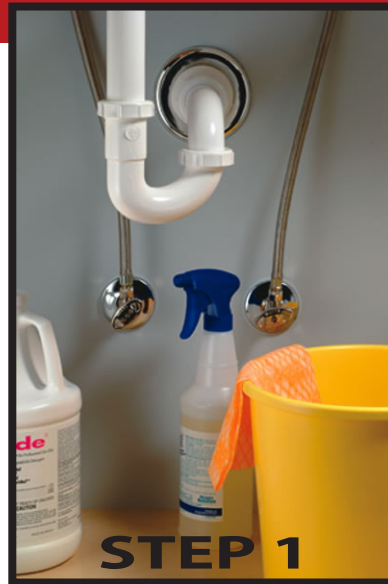**complete instructions**
needs 15.5" minimum clearance

Important:

If you use The Gleco Trap in a kitchen you are putting very hot things like coffee grounds down the drain, run cold water at the same time. Very hot liquids and solids could potentially deform the plastic of the bottle and cause a leak.

When switching the bottles, make sure to smear a little petroleum jelly onto the top edge of the replacement bottle (not the threads) to create a leak-free seal and prevent the rubber o-ring from dragging.

THE GLECO TRAP

Use petroleum jelly on the rim
every time *you switch bottles!*

O-Ring shown in place on the inside of The Gleco Trap
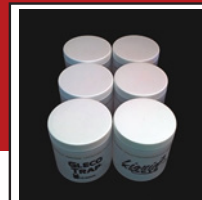
19 ounce Bottles
Great for deep utility sinks
11.5" Minimum
13" Recommended

Sold in case of 6 or individually

32 ounce Bottles
Tall and skinny
14.5" Minimum
16" Recommended

Sold in case of 6 or individually

43 ounce Bottles
Great for deep utility sinks
13" Minimum
14.5" Recommended

Sold in case of 6 or individually

64 ounce Bottles
MOST POPULAR
15.5" Minimum
17" Recommended

Sold in case of 6 or individually

128 ounce Bottles
NEEDS ADDED SUPPORT
20" Minimum
20" Recommended

Sold in case of 4 or individually

O-Rings
Replace worn or stretched O-rings to prevent leaks at the top of the bottle. When replacing an O-ring, add a little petroleum jelly to the O-ring or the channel it fits into.

package of 2

package of 12

The Gleco Trap is made in the USA! Ask your local supplier for extra parts or for more information on The Gleco Trap.

MAINTENANCE

Place extra bottle (or container) that can hold at least 30 ounce of water underneath the arm on the right. Open valve to drain water at the top of The Gleco Trap. DON'T FORGET to turn valve into off position again. Unscrew the used bottle and replace it with another bottle or even the reuse the same bottle after disposing of the contents properly.

COMMON CAUSES OF LEAKS

When your Gleco Trap is properly installed, it shouldn't leak. But if it does, here are a couple of common problems and solutions. If your problem is not solved by these notes, contact us and we'll talk about your specific situation.

1. The O-Ring is out of place or crimped.
   - Make sure it's seated in the channel provided.
   - If you are installing a brand-new O-Ring, give it a quick tug to stretch it slightly and dab a little petroleum jelly on it (or into the channel) before installing - it will fit into the channel a lot easier.
2. Verify the threads on the bottle are properly lined up when you screw on the bottle.
   - Don't over-tighten the bottle. Screw it on by hand only until it's snug.
3. Don't pour extremely hot/boiling water down the sink without running the cold water at full blast while doing so.
   - The Gleco bottle is a thermoplastic bottle (originally formed by heat) and too much heat will cause them to deform.
   - The most common occurrence of this leak is in coffee shops when they pour hot coffee grounds down the sink alone. The Gleco Trap works great for trapping coffee grounds, but you need to run the cold water when you dump them down the drain.
4. Make sure you put a little petroleum jelly on the top rim of the bottle EVERY TIME you switch bottles.
   - Failure to put petroleum jelly on the rim will cause the O-Ring to drag and stretch out of shape or fall out of place.
5. Double-check the bottles. Although it doesn't happen often, occasionally the 2-piece mold for the bottles is off just a little bit and can cause a raised seam that could interfere with the seal the O-Ring creates. In most cases, you can just file down the raised seam on the top rim and you'll be fine.
6. Check the valve - you might not have gotten it completely shut.
7. Install The Gleco Trap so it hangs plumb. Don't cut corners on checking this part when installing The Gleco Trap. If it doesn't hang straight down, the weight of the bottle when it's hanging at a slight angle can prevent a good seal with the O-Ring as well as creating added pressure on the threads of the bottle. See the picture marked "misaligned installation" for an example. Notice how the slight angle led the customer to believe that support (the wooden block under the Gleco Trap) was needed? This installation also leads into our next problem.
8. If you have a utility sink, make sure that it's secured to the wall or floor so it doesn't move (which caused The Gleco Trap to hang at a slight angle in the example above). Even if you've taken the time to make sure it hangs plumb on installation, a bump of the sink when it's unsecured could pop the seals on your connections to The Gleco Trap and create a leak.
9. Bad connections to the sink drain or the wall waste line can cause leaks. In the example above, the waste line shows a light raise after The Gleco Trap, where it should be parallel to the floor.
10. Pets, kids, and errant adults could accidentally jar a Gleco Trap and pop the connections when it's installed under an open sink (most recent customer leak issue attributed to this reason: a Bull Mastiff ran head-first into The Gleco Trap).

Properly seated O-Ring

Petroleum Jelly on rim

Misaligned installation

Ask your local supplier for extra parts or information on The Gleco Trap.

Search   ⌕

Home (https://www.justrite.com/) + Safety & Storage Cabinets (https://www.justrite.com/safety-and-storage-cabinets.html) + Safety Cabinets for Flammables (https://www.justrite.com/safety-and-storage-cabinets/safety-cabinets-for-flammables.html) + Sure-Grip® EX Undercounter Flammable Safety Cabinet, 22 gallon, 2 manual close doors, Yellow

Sure-Grip® EX Undercounter Flammable Safety Cabinet, 22 Gallon, 2 Manual Close Doors, Yellow

Protect workers, reduce fire risks, and improve productivity by storing flammable fuels and chemicals in code-compliant safety cabinets. Designed to meet OSHA and NFPA standards, Sure-Grip® EX cabinets are constructed of sturdy 18-gauge (1-mm) thick double-wall, welded steel with 1-1/2" (38-mm) of insulating air space for fire resistance. High-performance, self-latching doors close easily and securely for maximum protection under fire conditions. Fail-safe closing mechanism ensures three-point stainless steel bullet latching system works every time.

For added security, U-Loc™ handle comes with a cylinder lock and key set or accepts an optional padlock. Haz-Alert™ reflective warning labels are highly visible under fire conditions or during power outages when illuminated with a flashlight.

Patented SpillSlope® galvanized steel shelves direct spills to back and bottom of a leakproof 2" (51-mm) bottom sump. They adjust on 3" (76-mm) centers for versatile storage. Cabinets also feature dual vents with flame arresters, four adjustable self-leveling feet, grounding connector, and trilingual warning label. Durable lead-free epoxy/polyester powder-coat finish provides excellent chemical resistance.

Manual-close door(s) opens to a full 180 degrees and self-latches when pushed closed. Self-close door(s) shuts and latches automatically when a fusible link melts at 165°F (74ºC) under fire conditions. Unique, concealed self-closing mechanism offers obstruction-free access to contents.

All door styles meet OSHA and NFPA 30; self-close door styles also meet NFPA 1 and the International Fire Code.

Most cabinets are FM approved and all come with a ten-year warranty.

Take advantage of undercounter space to safely store flammable liquids. Each cabinet is sized and fitted with a 3-1/2"H x 2-1/2"D (89-mm x 64-mm) kickplate to mount flush with other cabinets. These cabinets have all the great features and benefits of our classic cabinets as outlined below.

Frequently Asked Questions

Does my safety cabinet need to be grounded?

It is necessary to ground a safety cabinet if you are dispensing liquids from container(s) inside the cabinet, and the potential of an ignitable vapor is possible. This is not to preclude one from grounding all cabinets as a best practice. Please see our TechTALK on Safety Cabinet Grounding

(/media/techtalk/TT-Safety-Cabinet-Grounding.pdf) for further information.

Will my modification void the FM Approval and Justrite warranty to a safety cabinet or safety can?

Modifications to any FM Approved products void the approval of that product and the Justrite warranty. The modification falls outside the evaluation for the approval and FM's quality assurance program. Modifications can make a safety product unsafe.

Visit the FAQ page (/faq) to find more answers about safety cabinets, cans, and more.

OVERVIEW   SPECIFICATION   CUSTOMER REVIEWS

Model No.	892300
International Model No.	8923001
Color	Yellow
Material Specifications	18-Gauge CR Steel
FM Approval	Yes
OSHA Compliance	Yes
Complies with NFPA Code 30	Yes
Gallon Capacity	22
Liter Capacity	83
Number of Doors	2
Door Type	Manual
Number of Shelves	1
Adjustable Shelves	Yes
Dimensions, Exterior	35" H x 35" W x 22" D
	889mm H x 889mm W x 559mm D
Dimensions, Interior	27.4" H x 31.8" W x 18.8" D
	695mm H x 806mm W x 476mm D
Net Weight, lbs	163.0
Net Weight, kg	73.9

MODEL NO: 892300

Key Benefits

▶ Provides quick access near work areas

CLASSIC
LAB EQUIPMENT

AMANNGIRRBACH

⩕smartbox X2

The most homogenous plaster dispensing method yet

Weighing and mixing plaster and water by hand is too imprecise and time-consuming by the high standards of the dental laboratory. Aside from ensuring a consistent high degree of dosage precision, the Smartbox is easy to operate and pays for itself within a few months.

Using the new dosage technology, the plaster is sprinkled very finely into the mixing beaker, which noticeably increases the homogeneity of the mixture

_Time, material and plaster savings of 20 to 25 %

_Finely sprinkled plaster using the new patented plaster dosage technology

_Multifunctional turn/ push button for simple and quick programming and programme selection

_Easy operation - error-free working for everyone

_Reproducible mixing ratio at the push of a button, accurate to within a gram

_Integrated scales automatically measure the dosage or for manual weighing

_Enables clean and dust free operation

Easy to fill the silo at the machine

One switch for everything – multi-functional dial / button

Fine plaster curtain due to new dosage technology

ORDER INFORMATION

Smartbox X2

| 116170 | Smartbox X2 |
| | ~~230 V~~ (115 V = 116170 V115) |

Delivery volume: Basic unit with integrated 8 kg plaster container, 3 l water container, power cable

| 116101 | Protection cover |
| 117201 | Beaker distance piece (2 items) |

Technical Data
Dimension: 335 x 240 x 590 mm
Weight: 16.5 kg
Mains supply:
100/115/~~230 V~~, 50/60 Hz
Machine rating: 95 W
Capacity powder: ca. 8 kg
Time to allot 20 ml : 100 g appr. 30 s

Smartmix X2

| 115700 | Smartmix wall mounting 230 V |

Delivery volume: basic unit with beaker 500 ml, for wall-mounting, drilling template, 4 screws with dowels, 1 replacement filter

| 115730 | Stand for Smartmix X2 |

115620	Beaker with mixing blade 100 ml
115630	Beaker with mixing blade 250 ml
115640	Beaker with mixing blade 500 ml
115650	Beaker with mixing blade 750 ml
115660	Beaker with mixing blade 1,000 ml
115631	Beaker 250 ml
115641	Beaker 500 ml
115651	Beaker 750 ml
115661	Beaker 1,000 ml
115701	Spare filter for Smartmix X2, 5 pcs.

Technical Data
Dimension: 250 x 160 x 350 mm
(without stand)
Weight machine: 8.5 kg
Weight stand: 7.9 kg
Mains supply:
100/115/230 V, 50/60 Hz
Machine rating: 210 W
Delivery rate: 15.8 l/min
Vacuum power: -800 mbar

| 100 ml | 250 ml | 500 ml | 750 ml | 1,000 ml |
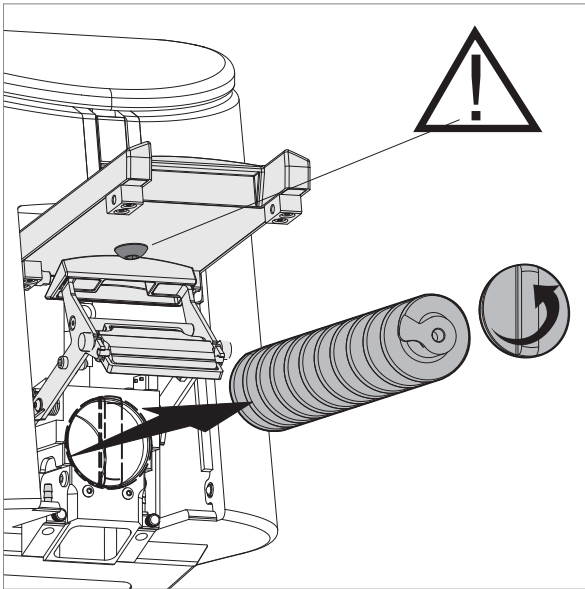
Technical data:

Dimensions:	525/300/620 mm
Weight:	25 kg
Electr. connected load:	~~230 V/50 Hz~~ - 115 V/60 Hz
Ouput:	100 W
Electrical fuse:	T2A
max. dosing amount:	1000 g investment compound powder
Content of fluid container:	1 l
Content of powder silo:	approx. 4 kg
Cooling capacity:	max. 15 °C below the existing ambient temperature

Scope of delivery:

Order No.:	
117200	Smartbox Invest
	Basic device with powder silo and 2 storage tanks for fluids, power cable

Accessories:

Order No.:	
117201	Beaker height adaptor
117202	Desiccant bags, pack of 5

AMANNGIRRBACH

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www.amanngirrbach.com

Triad®
Visible Light Cure System

THE DENTAL
SOLUTIONS
COMPANY™

Dentsply
Sirona

DENTSPLY
TRUBYTE

TRIAD® 2000
Light Curing System
OPERATING/SERVICE MANUAL

For Assistance, Call DENTSPLY Trubyte
570 West College Avenue
York, PA 17405
1-800-877-0020

Technical: Ext. 4212   Clinical: Ext. 4597
Warranty/Repair Assistance: Ext. 4319 or 4581

CE

TRIAD® 2000 LIGHT CURING UNIT
GENERAL DESCRIPTION & SPECIFICATIONS

The DENTSPLY Triad 2000 Light Curing Unit is a precision engineered unit, constructed to exacting specifications with the finest materials and workmanship. It contains controls and components for curing Triad visible light activated materials. The unit is manufactured and distributed by DENTSPLY International Inc., York, PA, through authorized dental dealers throughout the world.

The DENTSPLY Triad 2000 Unit incorporates specific controls with a rotating platform and lift, and through a tungsten halogen light source, cures light-activated materials by use of visible light. The adjustable table features selective controls to accommodate the processing of all types of visible light cure materials in various appliance shapes, with or without the use of a model (cast).

Refer to Figure 1 for location of the following unit controls and components:

POWER: On/Off switch. The cooling fan will operate.

TABLE: Activates rotation of the table.

CURE: On/Off switch. Activates the lamp when access door is closed. (Access door actuates safety interlock switch.)

TIMER: Rotating timer dial programs processing time.

TURNTABLE:
The turntable is raised and lowered by the top-mounted lift knob. The turntable will raise or lower to internal stops. The rotation of the turntable is provided by a gear-motor operating at 6 rpm. Rotation is activated by the table switch.

CURING CHAMBER:
Contains a high-power, specially angled tungsten halogen reflector lamp which projects optimum photocure light on the turntable location. The lamp is mounted to be replaced easily.

COOLING FAN:
One 12 watt, 115V fan operates when the power switch is ON, cooling the lamp housing and the curing chamber.
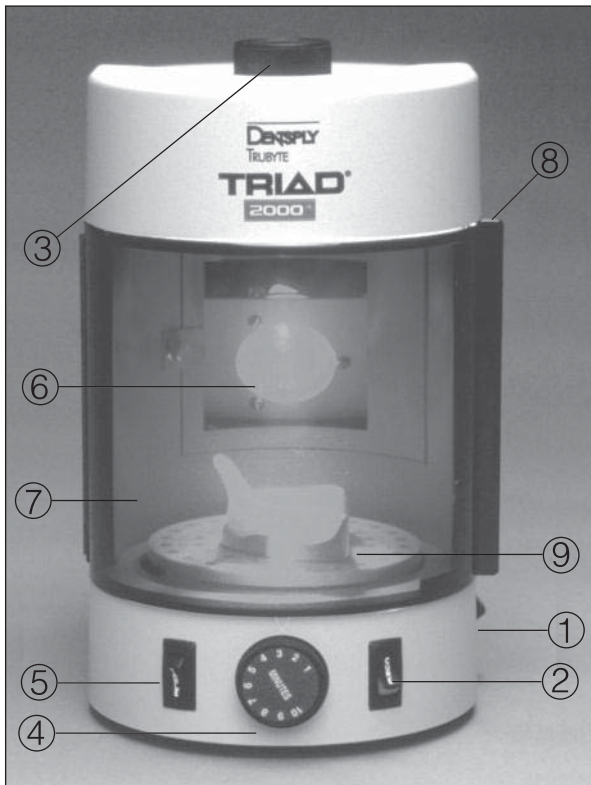

FIGURE 1

1. POWER Switch
2. CURE Switch
3. Lift Knob
4. TIMER Dial
5. Table Switch
6. Lamp and Mounting Assembly
7. Curing Chamber Door
8. Safety Interlock Actuator
9. Curing Chamber

UNIT SPECIFICATIONS

DIMENSIONS
Height: .... 12-1/8 in. (30.8 cm)
Width: .... 7 in. (17.8 cm)
Depth: .... 10-3/4 in. (27.3 cm)
Power Cord:........... 62 in. (157.5 cm)

WEIGHT
Domestic: .... 10 lbs. (4.5Kg)
Export: .... 15.5 lbs. (7.03 Kg)

VOLTAGE/CURRENT .. 115V/2.35 AMP
220V/1.5 AMP
230V/1.35 AMP
240V/1.3 AMP

FREQUENCY .... 50/60 Hz

LAMP .... Special Tungsten Halogen
(See Parts Listing section)

TRIAD® 2000 LIGHT CURING UNIT INSTALLATION

UNPACKING AND INSTALLA-TION

► DO NOT CONNECT POWER CORD TO OUTLET AT THIS TIME.

1. Remove unit from shipping carton and place in the desired operating location.

2. Open the processing chamber door and remove packing material.

> **NOTE**: Save shipping and packing materials. If service is required at any time on your Triad 2000 unit, you are responsible for its safe* shipment back to DENTSPLY. This is best accomplished if the original shipping carton and packing materials are used.

3. Connect the POWER cord to an appropriate power source.

4. Turn the POWER switch ON. The cooling fan should operate.

5. With the access door closed, set the TIMER dial to 1 minute. Depress the CURE switch to ON. The lamp should illuminate.

6. Depress the TABLE switch to ON. The table should rotate.
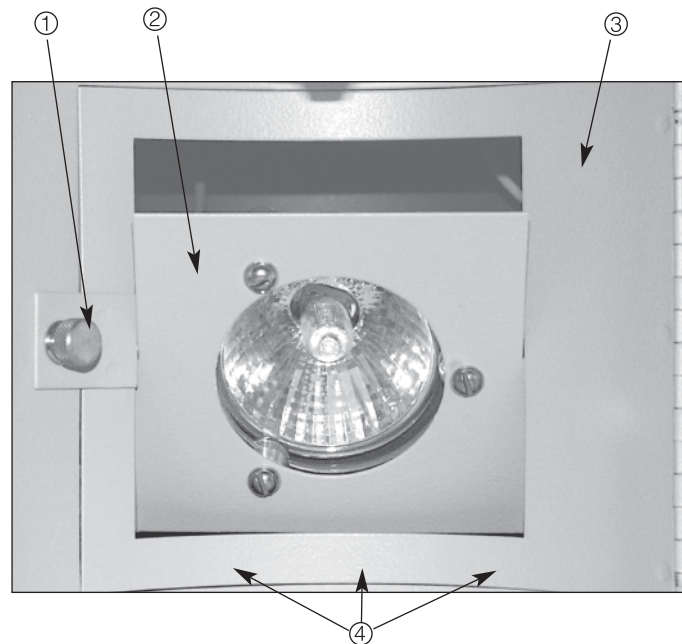
*Supply OSHA information re: Bloodborne pathogens policy on shipping possible contaminated equipment for service.

FIGURE 2

1. Lamp Access Door Thumbscrew

2. Lamp Mounting

3. Lamp Access Door

4. Optimum Curing "Sightline"

MicroCab Plus™
Self Contained Dust Collection System

NEW

EURO STYLE DUST CABINET

MicroCab+ offers the large internal work space and large hand guards of the larger MacroCab unit but with the smaller footprint of the MicroCab.

THE MOST EFFECTIVE SANDBLAST AND GRINDING CONTAINMENT SYSTEM
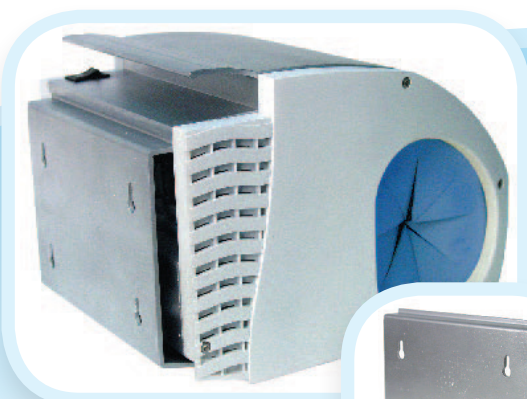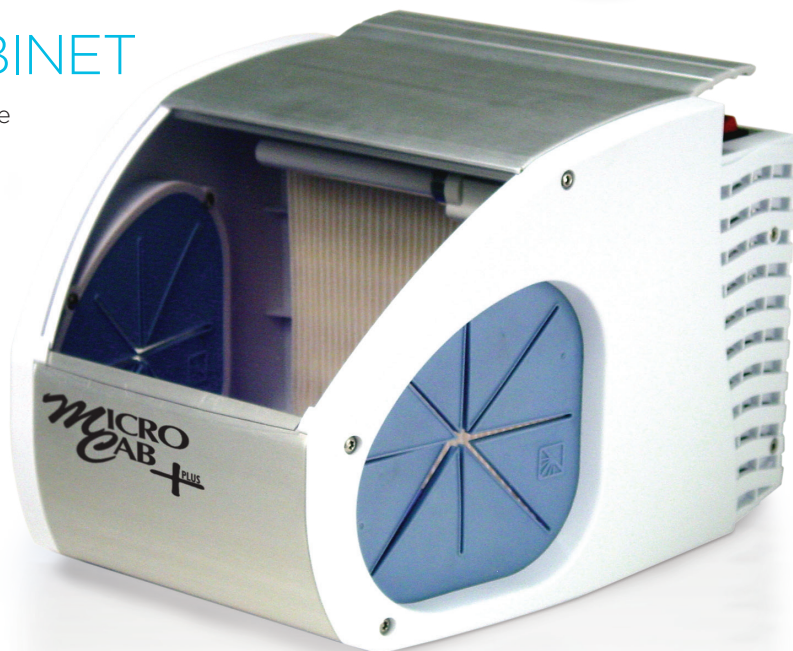
REF # 91010 (120v)
REF # 91354 (220v)

WALL MOUNTABLE!
Optional bracket allows wall mounting.
Microcab is easily removed for cleaning.

FEATURES:

- Increased efficiency, ultra quiet, fan/filter system
- Easy to clean, pull-out filter system
- Snap-in, disposable windows
- Bright, fluorescent light
- Built-in, low profile, carrying handle
- Constructed of extruded aluminum and injection molded plastic
- **Ultra compact:**
  8.7" (22 cm) wide x 10.5" (26.5 cm) deep x 7.9" (20 cm) high
- Weight 7 lbs (3.2 kg)
- Input Voltage: 120V AC or ~~220V AC~~ - 50/60Hz
- Power Consumption: 50 Watts

ZD ZEST DENTAL SOLUTIONS
ZEST | DANVILLE MATERIALS | PERIOSCOPY

ZEST DENTAL SOLUTIONS
2875 LOKER AVENUE EAST
CARLSBAD, CA 92010
USA

PHONE: 800.827.7940
FAX: 760.444.4881
EMAIL: DANVILLECS@ZESTDENT.COM
WWW.ZESTDENT.COM

93295 REV B 02/2018

Renfert

making work easy

Twister evolution / -venturi

TRANSLATION OF THE ORIGINAL INSTRUCTIONS FOR USE

Made in Germany

216604 30082019

4   Commissioning

4.1   Setup Recommendations

Operate the appliance at room temperature 15 - 30 ºC [59 – 86 ºF].

When setting up the appliance, please note the following:
- Do not place the appliance under a heat source.
- Do not place the appliance in front of open windows.
- Do not set the appliance up where it will be subjected to direct sunlight.
- Do not subject the appliance to high humidity.

4.2   Wall Mounting

Please have the following items on hand:
- pencil,
- drill template,
- Phillips head screwdriver,
- drill,
- drill bit 8 mm [5/16th inch] - appropriate for the wall material.

Make sure the wall on which you intend to mount the device is capable of bearing its weight!

Please ensure that there are no electric cables or water pipes running through the wall at the place of installation!

⇒ Establish optimum working height.

⇒ Align the drill template and mark the drill holes.

⇒ Drill the required holes >>> depth at least 55 mm [2.2 inch].

⇒ Insert the dowels.

⇒ Screw the top screws into the dowels. Allow the screws to protrude 9 - 10 mm [0.35 - 0.4 inch].

⇒ Screw the lower mounting bracket into place.

⇒ Hang the appliance on the wall.

⇒ Secure the device by tightening the knurled nut (10, Fig. 3).

Tighten the knurled nut securely.
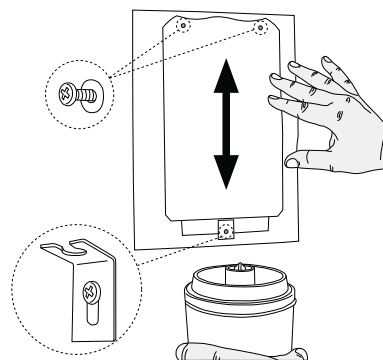
Fig. 2

4.3   Benchtop Models

The stand (19) can be used to convert the vacuum mixer to a floor-mounted appliance.

⇒ Position the stand on a level surface.

⇒ Hang the appliance in the stand.

⇒ Secure the appliance by tightening the knurled nut (10).

Tighten the knurled nut securely.

The stand is not part of the standard delivery and must be ordered as an optional accessory (refer to section „3.3 Accessories").
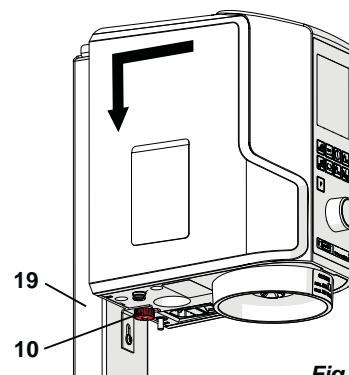
Fig. 3

4.4   Electrical connection

Ensure the mains supply and voltage marked on the name-plate is identical.

⇒ Secure the mains cable (17) through the cable safety catch (9).

⇒ Plug mains cable into socket (8) on appliance.

⇒ Plug in at the mains.
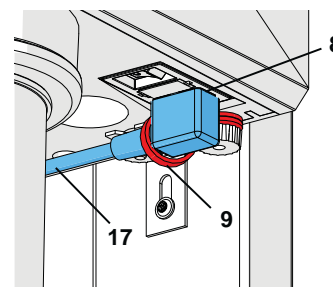
Fig. 4

3 Product description

3.1 Components and functional elements

1 Control knob (set mixing parameters, start, stop, aerate)
2 Programming key
3 Parameter keys
4 Display
5 Sponge filter
6 Appliance switch
7 Fuse
8 Appliance socket
9 Cable safety catch

10 Knurled nut
11 Silencer (*Twister evolution venturi only*)
12 Compressed air connection (*Twister evolution venturi only*)
13 Inlet filter (*Twister evolution venturi only*)
14 Sinter filter
15 Bowl incl. blunger
16 Pneumatic connection set
17 Mains cable
18 Compressed air hose
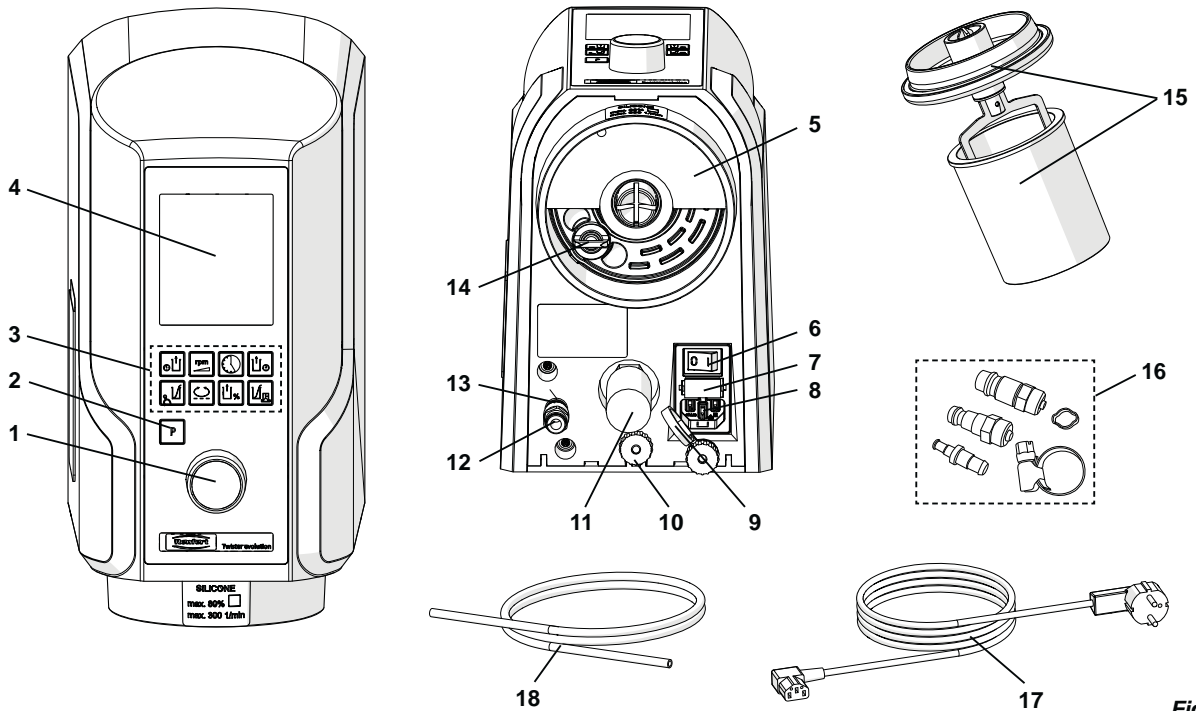
Fig. 1

3.2 Standard Delivery

1 Vacuum mixer
1 Mains cable
1 Pneumatic connection set (Twister evolution venturi only)
1 Operating instructions
1 Fastening set

1 500 ml bowl, incl. blunger
1 Compressed air hose, 2 m (Twister evolution venturi only)
1 Drill template
1 Repalcement sponge filter

3.3 Accessories

1821-0102 Stand for benchtop device W x H x D: 227 x 622 x 294 mm [8.937 x 24.488 x 11.575 inch]
1821-0200 Mixing spatula
1820-6500 Bowl incl. blunger, 65 ml
1820-6520 Bowl, 65 ml
1820-0200 Bowl incl. blunger, 200 ml
1820-0220 Bowl, 200 ml
1820-0500 Bowl incl. blunger, 500 ml
1820-0520 Bowl, 500 ml

1820-0700 Bowl incl. blunger, 700 ml
1820-0720 Bowl, 700 ml
1820-1001 Bowl incl. blunger, 1000 ml
1820-1020 Bowl, 1000 ml
1823-0500 Alginate Mixing bowl 500 ml, incl. paddle
2929-0000 Filter pressure regulator

- 5 -

9 Technical data

	Twister evolution (No. 1828)	Twister evolution venturi (No. 1829)
Mains voltage:	120V	100 - 240 V, 50 / 60 Hz
Power consumption:	180 VA	
Device fuse:	T4AL, 250 VAC	
Speed:	100 - 450 1/min	
Connection pressure:	--	5 - 6.5 bar [72.5 - 94.3 psi]
Air consumption, approx.:	--	46 l/min
LpA *) (idling):	< 70 db(A)	
Dimensions (W x H x D):	152 x 285 x 235 mm [6.0 x 11.2 x 9.3 inch]	152 x 320 x 235 mm [6.0 x 12.6 x 9.3 inch]
Weight (without bowl), approx.:	5.2 kg [11.5 lbs]	4.0 kg [8.8 lbs]

Wall Mount Dimensions

*) Sound pressure level in accord. with EN ISO 11202

10 Guarantee

Renfert gives a **3-year guarantee** on all parts of the Twister evolution / Twister evolution venturi provided that the product is used in accordance with the operating instructions. The original sales invoice of the specialist depot is required for a claim under guarantee.

Parts which are subject to natural wear and tear (wear parts) and consumables are excluded from the guarantee. These parts are marked in the spare part list.

The guarantee is rendered void in the case of incorrect use, non-adherence to the operating, cleaning, servicing or connection instructions, repairs carried out by the owner or repairs that are not carried out by a specialist firm, use of replacement parts from another manufacturer or unusual or unapproved uses not specified in the user guidelines.

Successful claims under guarantee do not extend the guarantee period.

11 Disposal instructions

The appliance should be disposed of by a specialist firm. The specialist firm should be informed of any hazardous residue in the appliance.

11.1 Disposal instructions for countries in the EU

To conserve and protect the environment, prevent environmental pollution and improve the recycling of raw materials, the European Commission adopted a directive that requires the manufacturer to accept the return of electrical and electronic appliances for proper disposal or recycling.

Within the European Union appliances with this symbol should not therefore be disposed of in unsorted domestic waste.

For more information regarding proper disposal please apply at your local authorities.

Subject to alteration

keystone
industries

(https://dental.keystoneindustries.com/)

Type & hit enter   My Account   **0**   Shopping Cart **$0.00** (https://dental.keystoneindustries.com/shopping-cart/)

Magna Bar

The Magna Bar is a wood base with magnetic bars for holding burs, mandrels, lab tools, etc. Available Sizes: 12", 18" and 24".

0	24" (#1510030)	$46.85
0	18" (#1510020)	$40.55
0	12" (#1510010)	$32.85

ADD TO CART

Category: Instruments (https://dental.keystoneindustries.com/product-category/dental-lab/instruments/)

PLASTER BINS

Triplex – Nevin
Plaster Bin
• 21" x 18" x 8"
• Three compartments
  with cover
• 75lb capacity
• Gravity feed

French Grey	*536-5374*	**1@ $346.95**
Beige	*536-5366*	

81C – Handler
Plaster Bin
• 75lb capacity
• Heavy gauge
  sheet metal
• Grey enamel finish
• Weight: 20lb

* Please call for pricing.

MIXING BOWLS

Flex Bowls – PATTERSON
Self-cleaning, non-stick mixing bowls are
made of rigid yet flexible rubber. Available in
four sizes.

Small 150cc	*093-6153*	**1@ $4.45**
		6@ $3.50
Medium 350cc	*093-6161*	**1@ $5.75**
		6@ $4.95
Large 600cc	*093-6179*	**1@ $8.00**
		6@ $7.40
X-Large 850cc	*093-6187*	**1@ $8.40**
		6@ $7.65

FlexForm™ – BDM
Silicone Flex Mixing Bowls
Made of high quality silicone-based material,
these colourful large 600ml FlexForm Mixing
Bowls will not only enchance the style of
your office and its environment, but make
it fun!!! Clear and very flexible, making for
fast, easy clean-up, yet tough and durable
for mixing virtually every type of material.

Each		**1@ $9.35**
Rose	*145-6292*	**3@ $9.00**
Yellow	*145-6300*	
Light Green	*145-6318*	
Sea Blue	*145-6326*	
Light Purple	*145-6334*	

Flexibole Mixing Bowls – Hygenic
Flexible, Self-Cleaning Bowls
Plaster, stone, investment and alginates will
not stick to these self-cleaning mixing bowls
or to the nylon spatulas (not recommended
for acrylic mixes). More flexible than rubber
bowls for more efficient mixing.

Small, 150cc	*377-8180*	**1@ $9.15**
		3@ $8.65
Medium, 350cc	*377-8677*	**1@ $11.90**
		2@ $11.50
Large, 600cc	*377-9162*	**1@ $16.20**
		3@ $15.05
Extra Large, 850cc	*377-9659*	**1@ $17.70**
		3@ $16.90
Jumbo, 1,700cc	*377-9667*	**1@ $22.75**
		2@ $22.15

Alginator Bowls – Cadco
Blue

Medium	*161-8065*	**1@ $27.90**
Large	*161-8107*	**1@ $32.15**

Mini Mixing Bowl – PATTERSON
Non-Stick, Silicone Bowls
For mixing acrylic. Designed with a suction cup
bottom for convenient one-handed mixing.

Small, 3/Set	*088-8917*	**1@ $15.55**
		3@ $13.70
Medium, 2/Set	*088-8909*	**1@ $15.55**
		3@ $13.70
Large, 1/Set	*088-8925*	**1@ $13.30**
		3@ $11.85

Dispos-A-Bowl – Zirc
• Disposable, saves wear on
  mixing bowl
• Capable for use with electric
  alginate mixers
• Free-standing for
  use with or without mixing bowl
36/Pkg

White	*771-0312*	**1@ $29.00**

SPATULAS AND KNIVES

Magnabar – PATTERSON
Magnetic Knife and Utensil Holder
Grasps objects firmly, yet releases without
effort. Wood with magnetic strips. Installs
easily. (Instruments shown not included.)

18"	*093-6369*	**1@ $40.05**

Plaster Nipper – PATTERSON
Stainless Steel
Cuts plaster or stone. May be
used for trimming models.

Each	*093-6781*	**1@ $28.55**

#2R
#3R
#4R
#8R
#10R
#11R

Plaster Spatulas – PATTERSON
Stainless Steel Blades

#2R Flexible	*089-9690*	**1@ $11.65**
#3R Stiff	*089-9724*	**3@ $10.50**
#4R Rigid	*089-9732*	
#8R Stiff	*089-9708*	**1@ $12.00**
#10R Extra Stiff	*089-9682*	**3@ $10.90**
#11R Flexible	*089-9716*	**1@ $11.75**
		3@ $10.90

#24
#324

Steel Spatulas – PATTERSON
Stainless with octagonal handle for better
control — less slippage when mixing.

#324	*092-8184*	**1@ $15.55**
		3@ $15.00
#24	*089-5706*	**1@ $6.05**
		3@ $5.80

Dentsply Sirona

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Gen Type

| Red w Kit | Silver w Kit |

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Special Promotion $500 off Drufomat *Exclusions apply

3300S

Drufomat Scan 115V -Silver Machine With Kit

Click Image to Open Expanded View

Product Description

Use with Essix Brand and Dreve plastics to fabricate top-quality removable dental appliances such as nightguards, sports mouthguards, retainers and more.

- Barcode scanner programs heating and cool-down times. Barcodes are found on Essix Brand and Dreve plastic boxes and in the Plastics Guide. Manual data entry is also possible.

- Variable pressure of up to 6 bars (87 psi) produces excellent internal adaption

- Vertical forming design insures consistent results

- Red LEDs point out active heating

- Safe operation: piston turns down automatically with two-hand-control

- Accepts 120mm & 125mm circle or any square materials

- Space for optional lead granules

- Optional insert allows use as a flask press or pressure polymerization unit

- 115 volt; Requires compressed air - 18.1″ high x 11.4″ wide x 11.4″ deep; 44 lbs.

- Two-year warranty

Verify Connection

Resources

Supply Voltage 100-240V/ 50-60 Hz
Max Power Consumption:115V - 270W
Fuse in Unit: T 3, 15A
Operating Pressure: 29 to 87 psi
Min Pressure: 29 psi
Max Pressure: 145 psi

X40 Premium Electric Lab Handpiece System

Buffalo

New *40,000* RPM High-Torque System Updates Our Classic X35 and Provides Additional Speed and Torque

New!

- **New 40,000 RPM Handpiece**
  40k blue electric handpiece features an improved heavy-duty spindle, upgraded bearings, and more durable square carbon brushes, providing higher speeds, smoother operation, and increased reliability

- **Improved Console** *Made in USA!*
  The upgraded control console features dual power outlets allowing fast and easy switching between two separate hand-pieces as desired (one handpiece included with system), saving time-wasting tool changes. Higher-voltage output and additional overload control help protect the handpiece from damage during extended heavy grinding

- **Superior Control**
  The system provides exceptional control at ultra-low rotational speeds, high torque cutting power, and fully variable speed from 0-40,000 rpm. The X40 comes complete with a fully variable speed foot control for added versatility

- **Heavy Duty Construction**
  Components and system designed to provide reliable and trouble-free operation. One year warranty

- **Sizes**
  Handpiece: 6.25 in. (159 mm) Long x 1 1/8 in. (29 mm) Major Diameter x 5/8 in. (16 mm) Front Diameter x 8.6 oz. (244 gm) Weight
  Console: 7.25 in. (184 mm) Width x 7 in. (177 mm) Depth x 3.5 in. (89 mm) Height x 6.3 lb. (2.9 kg) Weight

- **Ordering Information**

Item #	Description
38085	X40 Electric Handpiece System Complete, 120V AC, including Control Console, 40k Blue Handpiece w/HP Collet, Variable Speed Foot Control, Handpiece Holder, Spare Square Carbon Brushes and Collet Wrenches
38087	X40 Electric Handpiece System Complete, 220V AC, including Control Console, 40k Blue Handpiece w/HP Collet, Variable Speed Foot Control, Handpiece Holder, Spare Square Carbon Brushes and Collet Wrenches
38025CN	Replacement HP Collet Chuck for X40 Handpiece, 3/32″ Size
38025BS	Replacement Square Carbon Brushes for X40, Set of 2

For laboratory use only. Please use extreme caution and wear personal protective eyewear and equipment when operating this system. Follow bur manufacturer's recommendations for maximum safe operational speeds for burs

Additional chuck sizes are available for X40 Handpieces- please call for details

Buffalo Dental Manufacturing Co., Inc.,
159 Lafayette Dr., PO Box 678, Syosset, NY 11791-0678 | **Tel:** 516-496-7200 or 800-828-0203
Fax: 516-496-7751 | **Email:** Sales@mailbdm.com | ***www.buffalodental.com***
S38085 0418

5

VANIMAN

Specialty Dust Collectors

SandVac

Specifically designed for abrasives!
- Ultra powerful motor captures abrasive media and material
- Whisper quiet (55 decibels) and ultra-low maintenance design
- Multi-stage filtration
- Accumulator™ Pre-Filter captures 99% of all abrasive material
- Dual function remote control included
- Plug in your micro-abrasive blaster and control both
  with one easy step
- 2 year warranty

SandVac with Accumulator™ Pre-Filter 10211 ⚡

⚡ *Available in 100, 220, 230, 240 Volts @ 50/60Hz* CE 🔵

Pre-Filtration

Accumulator™

The Vaniman Accumulator™ Pre-Filter is designed to protect and collect. It protects technicians and equipment from the damage caused by dust. It collects dust, valuable gold, aluminum oxide, stone, and acrylic before it reaches the dust collector.

Accumulator™   VMC-A300 (2 1/2" - 3" Plumbing)
Accumulator™ XL   10509   (2 1/2" - 4" Plumbing)

Air, dust particles and debris enter the swirling vortex inside the Accumulator™

Air flows up from the Accumulator™. This air is now 95% free from dust particles. The air will now go into the filtering system of the dust collector.

Cleansed air flows up as dust particles are separated out and fall to the bottom.

Dust particles and debris are collected in the Accumulator bowl, which is easily detached and emptied.

Vaniman

For over 27 years, Vaniman has established a tradition of Quality, Service, and Innovation for all the products it manufactures for the Dental Industry.

Starting with the original Accumulator™ Pre Filter , Vaniman's complete line of General and Specialty Dust Collectors, Micro Abrasive Blasters, Air Purification, and Electronic Waxing products, provide our customers quality the industry has come to expect.

Our Service department provides direct customer/technician interaction that streamlines technical assistance, as well as offers suggestions for properly configuring a product to achieve optimal performance.

Innovation has been the cornerstone of Vaniman Manufacturing over the last 25 years. The engineering staff continuously strives to provide our customers with the most robust, economical, and effective products available.

Vaniman remains committed to providing the Dental Industry the highest quality of products and service available through our worldwide dealer network.

Dust Collector Introduction

Dust collection is intended to capture nuisance, harmful, or precious material in any facility that has or creates such material. In some cases dust collection is a safety requirement, but in most cases dust collection creates a cleaner and more productive work environment.

It is important to consider the type and size of the attachment or work area, the type of filtration needed (HEPA, Odor, Pre-Filter), and the sound level requirements.

A Dust Collector For Every Need

Page	Products	Application			Specifications		
		General Purpose Porcelain Metal Stone	Micro-Abrasive Blasters	Heavy Stone & Die Trimming	Work Stations	Plumbing Size	Maximum Plumbing Run
2	**V-Six**	●	●	●	1-6	FREE CONSULTATION with Vaniman	
3	**Vanguard 1X**	●			1	1@ 1 1/2"	8'
3	**Vanguard Gold 2X**	●			1-2	1@ 2 1/2" 2@ 1 1/2"	8'
3	**Platinum Gold 2X**	●			1-2	1@ 2 1/2" 2@ 1 1/2"	6'
4	**StoneVac II Series**	●	●	●	1-3	FREE CONSULTATION with Vaniman	
5	**SandVac**	●	●		1	1@ 2 1/2"	6'

Vaniman has technicians and engineers available to help choose a system to suit your particular needs or design a system for your facility. Please contact Vaniman Manufacturing for further assistance.

VANIMAN (http://www.vaniman.com)
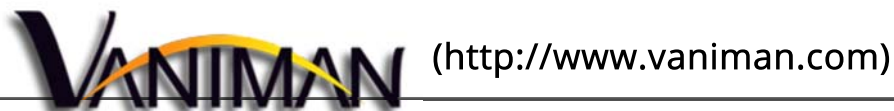
LOGIN

Menu ()

(http://www.vaniman.com
/wp-content/uploads/2013/08
/SandVac.png)

SandVac – 10211

SKU: 10211. **Category:** Dental Dust Collector Special App (http://www.vaniman.com/product-category/dental-equipment/dental-dust-collector-special-app/).

Comes with a large Accumulator, Foot Remote, and hoses.

- Powerful suction
- Quiet operation (55dbA)
- Compact, space saving design
- Dual function remote control included
- Accumulator pre-filter captures 95% of all dust and 99% of all abrasive media
- Plug in your micro-abrasive blaster and control both with one easy step
- 2 Year Warranty

Instructions and Diagrams

SandVac Instructions (http://www.vaniman.com /wp-content/uploads/bsk-pdf-manager /Sand_Vac_44.pdf)

Dust collection system specifically designed for use with micro-abrasive blasters
P/N 10211

CONTACT A DEALER TODAY TO ORDER (http://vaniman.com/dealers-dental-products-sandblaster-air-filtration/)

$799.00

1   +   -   Add to cart

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Description   Additional Information   Specs   Reviews (0)

Specs

Technical Specifications
Electrical Voltage 115.00 VAC
Amperage 5.00 Amps

Dimensions Product Dimensions (L"xW"xH") 20.00" x 10.00" x 27.00"
Shipping Dimensions (L"xW"xH") 25.00" x 20.00" x 18.00"

Weight Product Weight 35.00 lbs.
Shipping Weight 43.00 lbs.

Available Options: Now available in 100V, 220V, 230V, 240V @ 50/60Hz

VANIMAN
MANUFACTURING CO.

**SANDVAC
120V**

PACKING LIST

1 - SandVac unit
1 - Power Cord
1 - Foot Remote
1 - Pre-Filter/Accumulator
1 - 2½"x 3' Hose with 1½" Hose End
1 - 2½"x 6' Hose with 1½" Hose End
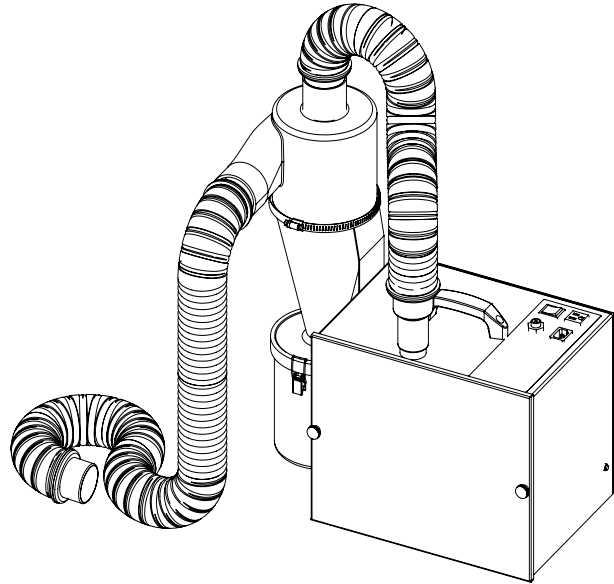
IMPORTANT SERVICE INFORMATION:
SAVE SHIPPING BOX AND FOAM FOR FUTURE
SERVICE. SHIPPING WITHOUT PROPER FOAM
MAY CAUSE DAMAGE TO UNIT

ASSEMBLY INSTRUCTIONS

1. Remove the unit and all additional parts from the two boxes. *Check* against the packing list.

2. Mount the Accumulator angle bracket on the side of the vacuum unit as shown by using the two screws provided. Assemble the Accumulator to the bracket with the circular clamp provided. Rotate the Accumulator to best route the hose then tighten the clamp.

3. Assemble the three foot hose, with the 1½" hose end, to the vacuum unit and the other end to the top of the Accumulator. Gently rotate and push the hose end into the black foam gasket. If the hose has difficulty connecting to the Accumulator, moisten the foam gasket with a small amount of water; the water will help ease the hose into place. Connect the other hose from the side of the Accumulator to the abrasive blaster. Use the grey hose end to connect to the Vaniman Sandstorm series or ports of 1½". For 2½" hose connections, remove the grey hose end and use the remaining white hose connector.

4. Plug the removable power cord into the socket on the top of the SandVac then plug the other end into a standard 110 Volt wall socket. Connect the black remote switch tube to the black remote switch connector on the unit; test by turning the power switch on or by pressing the remote switch.

VANIMAN
MANUFACTURING CO.

**SANDVAC
120V**

MAINTENANCE

1. *Filter Bag Replacement* - When a noticeable drop in suction occurs in the unit or it shuts down, it may be time to replace the filter bag. Remove the thumb screws on the front of the unit to remove the front cover plate, exposing the filter bag. Remove the filter bag by sliding it off the inlet tube; the front of the cardboard reinforcement may need to be tilted downward slightly to remove the bag easily. Check the inside of the filter bag compartment, if dust is present please clean the compartment. Cause for residual dust may be the filter bag had been improperly installed. Vacuum out any dust before putting in a new bag, this will increase the life of the unit. Filter bag reorder number is **VMC-A400-5**, which can be ordered through your supplier.

2. *Installing a new filter bag* - Slip the cardboard reinforcement, with rubber seal, over the inlet tube. Tilt the front of the cardboard downward and slip the back edge up past the tube end; then rotate upward over the tube end. Then carefully tuck the edges of the filter bag into the filter bag compartment. Replace the cover plate and gently tighten the screw knobs. Only gentle pressure need be used to make the gasket seal as the vacuum pressure will draw the cover tightly.

CAUTION: Operating the vacuum with a plugged filter bag can cause permanent damage to the motor.

3. *Empty Accumulator Cup* - The accumulator has a cup on the bottom held in place with two toggle latches. The majority of dust collected will fall into this cup. Empty when ½ full; it is recommended to *empty the cup DAILY*. Turn the unit off before removing the cup. Gently tap the sides of the Accumulator to shake down dust into the cup. Hold the collection cup with a hand on each side directly below the toggle latches. With your index fingers, flip the toggles upward and then swing the wire bales outward. Lower the cup and empty the contents. Replace the cup onto the bottom of the Accumulator, swing the wire bales over the bottom rim of the Accumulator and snap the toggle latches down to secure the cup in place.

4. *Circuit Protector* - The unit is protected by a circuit breaker. Push in to reset.

5. For other maintenance problems or questions consult your dealer or call 1-800-VANIMAN and ask for SERVICE.

RECOMMENDED USAGE

To evacuate the blasting dust from an abrasive blaster such as aluminum oxide and silica sand.

VANIMAN
MANUFACTURING CO.

SANDVAC
120V

ACCESSORIES & REPLACEMENT PARTS

The following items are offered to enhance the usage of your quality Vaniman unit. These items can be order through your supplier using the following part numbers. Please feel free to contact Vaniman Mfg. Co. with questions regarding our products.
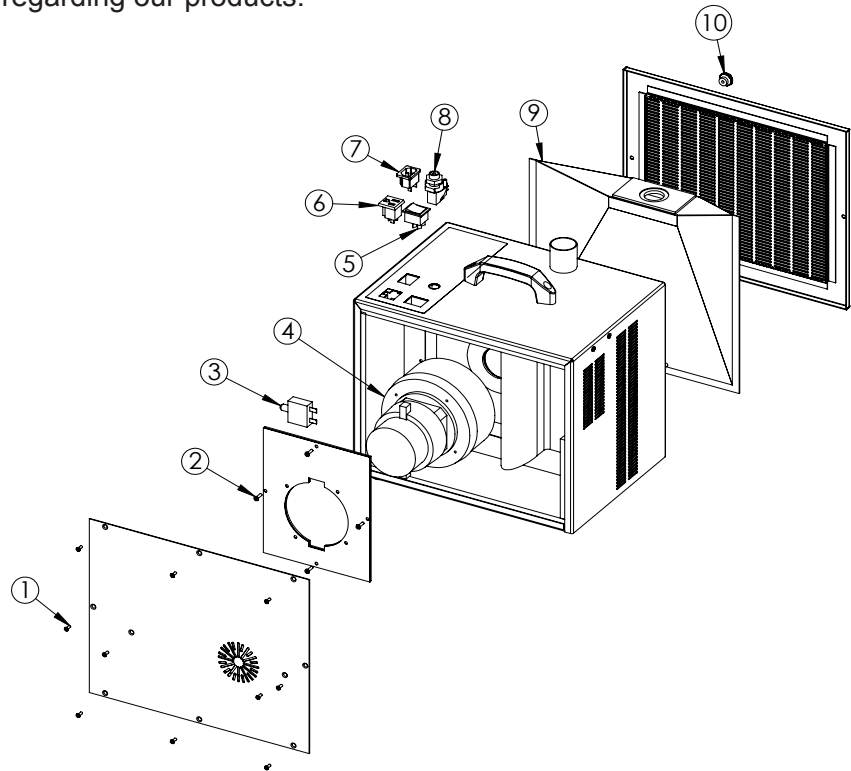
Fig. #	Description	Reorder Part Number
1	Screw, 6-32 x 3/8" FHSMS	1448A
2	Screw, 6-32 x 1/2" Pan MS	2080
3	Circuit Breaker, 10 Amp	2807
4	Motor Assembly	97019
5	Switch, ON/OFF	3283
6	Outlet Receptacle	1832
7	Power Connector	3010
8	Remote Air Switch	1442
Not Shown	Foot Pedal Bellows	1443
9	Replacement Bags 3-pack	VMC-A400-3
	Replacement Bags 5-pack	VMC-A400-5
10	Front Cover Thumbscrew	1449
Not Shown	Power Cord	1422

95TH
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550 Porta-Vac

Goes with E152

larger image

Model: 550
Shipping Weight: 18lbs

550 Porta-Vac Bench Top Dust Collector

A favorite of dental offices since its introduction several years ago, the 550 Porta-Vac is perfect for bench top light grinding and polishing with a hand piece or lathe. Featured enhancements include 40% more suction power, compact in line suction design, removable resin clean out tray, replaceable clear acrylic shield and reusable and replaceable pleated rear filter. The compact and lightweight 550 comes with a fluorescent light for hours of cool, bright operation and will collect 0.5 microns of dust and larger particles. Easy operation; take it out of the box, install the light, plug it in, and it is ready for use. The durable white powder coated heavy gauge steel frame is built to last, and the unit is made in the USA by Handler.

Shipping Weight: 18 lbs
Unit Dimensions: 8 1/2" W x 12" H x 14" D [21cmx30cmx36cm]

~~Available in 220V/50Hz – Order Model 550-E~~

Contact Us

Contact Information
HANDLER INTERNATIONAL
612 North Avenue East
Westfield, NJ 07090
Tel: (908) 233-7796
Fax: (908) 233-7340

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HANDLER

HOME OF RED WING LATHES & MOTORS

550
PORTA-VAC

IMPORTANT INSTRUCTIONS
DO NOT DISCARD

HANDLER
Over Eighty Years of Quality Manufacturing and Service...
MANUFACTURING CO., INC.   612 NORTH AVENUE EAST, WESTFIELD, N.J.   07090
Ph: (908) 233-7796 • Fax: (908) 233-7340 • 800-27-HANDL • E-Mail:info@handlermfg.com • web site: www.handlermfg.com

HANDLER
MANUFACTURING COMPANY, INC.

INSTRUCTIONS FOR MAINTENANCE AND CARE 550 PORTA-VAC

GENERAL: Open the 550 carton and inspect it. Should damage have occurred in transit, contact the freight forwarder, IMMEDIATELY. Your 550 Porta-Vac was manufactured and tested prior to shipping. The unit was found to be in proper working order. Failure to report damage, promptly, to the freight carrier, will result in loss of your rights to place a damage claim.

USE: Your 550 Porta-Vac was designed and built to collect dry dusts and debris from various grinding and polishing operations. NOT FOR USE WITH ALUMINUM OXIDE. It is not designed to collect dust from prolonged polishing and grinding. Although the suction motor is built to function for long periods of time, we suggest its use is limited to 15 - 20 minutes per collection period.

Remove the 550 from the carton in which it was shipped. Check to make certain no other accessories were packaged with the shipment of your 550 Porta-Vac. The 550 was shipped with the following accessories:

1 ....550 Porta-Vac with filter and Suction motor assembled.

1 ....Florescent Light, light socket and cord.

1 ....Resin Insert Pan

Before connecting the 550 to an electrical source, please complete the following:

1. Place the 550 on a sturdy table top.

2. Remove the packing from the resin insert pan, and place it in the bottom of the 550.

3. Unscrew the top of the plastic light socket. Place the base of the socket through the hole in the top, front left side of the 550 hood. From inside the top left side of the hood, screw the plastic top, clockwise, back onto the light socket, making certain the top is secure on the base of the socket. Double check this procedure to make certain the top is screwed back onto the socket's base properly and securely.

4. Unpack the florescent bulb, and screw it into the light socket from the inside upper left portion of the hood.

5. Place the Unit into the position on your tabletop on which it will be used (alongside a lathe, handpiece, etc.). Remove the protective covering from the safety shield. Position it in a comfortable location by loosening the thumb screws on either side of the shield. Retighten the thumb screws when the shield has been adjusted to the desired position. Connect cordset to proper electrical source.

6. Plug the unit into a suitable ground fault electrical socket. If the socket into which you will connect the 550 does not have a proper ground fault receptacle wired into the circuit, call a licensed electrician to have this completed promptly. All products utilized in a dental laboratory or operatory MUST BE properly protected with ground fault protection in the circuit.

7. Turn the 550 ON by depressing the rocker switch located on the left rear top of the motor housing. The switch will light when the unit is activated.

8. The 550 is built for the collection of dusts and debris created by grinding and polishing operations. It is built for LIGHT GRINDING operations, only. If you are collecting dusts and debris for a period longer than 15 - 20 minutes, 3 - 4 times per day, we suggest the use of a larger dust collector. Handler builds a full line of dust collectors which are built for continuous collection of dusts. Contact us at the address, below for a copy of our current catalogue.

PARTS LIST FOR 550 PORTA-VAC
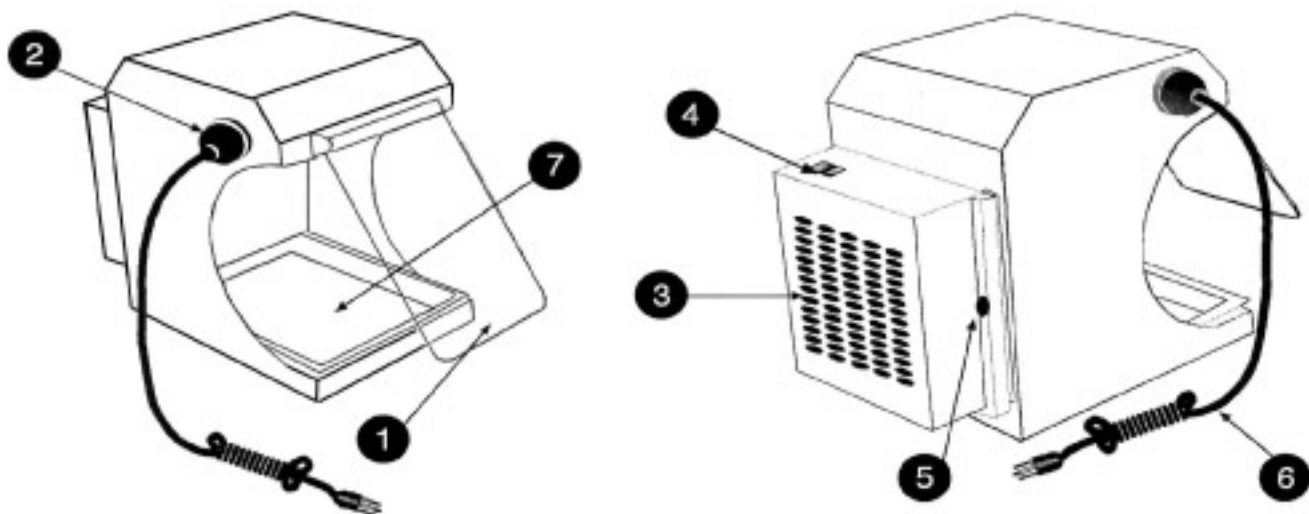
To order parts for your 550 Porta-Vac, please specify Model Number of unit, Serial Number and Part Number required.

1.	P550-01	Shield for 550 (86B)
2.	P550-02	Light Socket for 550
3.	P550-03	Filter for 550 (550F)
4.	P550-04	Rocker Switch for 550
5.	P550-05	Thumb Knob for 550
6.	P550-06	Line Cord for 550
7.	P550-07	Resin Insert Pan for 550

Handler Manufacturing Co. Inc.
612 NORTH AVENUE, EAST
WESTFIELD, N. J. 07090
1-908-233-7796
1·800·274·2635
FAX: (908) 233-7340
E-MAIL: INFO@HANDLERMFG.COM
WEBSITE: WWW.HANDLERMFG.COM

Pentamix™ 3
Automatic Mixing Unit

Mix and dispense
twice as fast

Summary of advantages

- Dispenses Penta™ impression materials **in half the time of the Pentamix™ 2 Mixing Unit and faster than any other unit on the market**

- Saves counter space with the smallest footprint on the market

- Easy handling with push-button control on both sides

- Homogeneous mixing for void-free impressions

- Less waste – dispenses only amount of material needed

- Can be used with polyether, VPS and alginate replacement materials

Gain more working time with the fastest mixer on the market.

Experience the speed, ease and accuracy of the Pentamix™ 3 Automatic Mixing Unit from 3M ESPE.

With the touch of a button, the Pentamix 3 unit mixes and dispenses homogeneous materials – free of voids that interfere with the accuracy of impression detail and the fit of the final restoration.

Using Penta impression materials from 3M ESPE with the Pentamix 3 unit lets you mix and fill faster than any other unit on the market. That means:

- longer usable working time and reduced stress for doctors and assistants

- automatic mixing of quick-setting materials

- less chair time for patients
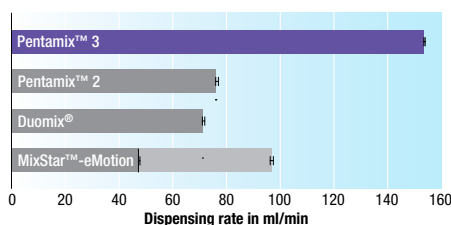
The Pentamix™ 3 Automatic Mixing Unit dispenses impression materials faster than any other unit on the market.
Source: 3M ESPE internal data

Speed isn't its only advantage. The unit has the smallest footprint on the market.

That helps you make the most of valuable office space. Its sleek, high-tech design keeps your office looking good, and the wall-mount design option lets you free up your counter completely.

Pentamix™ 3
Pentamix™ 2
Duomix® (Dentsply)
Volume™ Mixer (Kerr)
MixStar™ (DMG/Zenith)
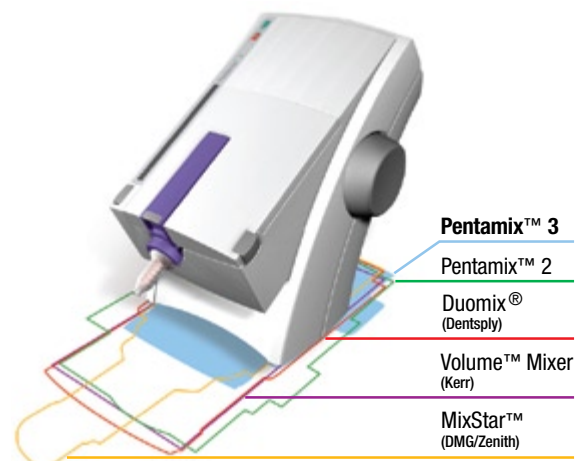
3M ESPE

The Pentamix™ 3 Automatic Mixing Unit is even easier to operate.

The Pentamix 3 unit handles easily with push-button operation from both sides. This makes it easy to use for right- and left-handers alike. Effortless cartridge exchange and easy-to-attach mixing tips also increase procedure efficiency.

Eliminate strain and uncertainty out of mixing your favorite impression materials.

Enjoy the accelerated speed when you use your preferred Penta™ impression materials, including Impregum™ Penta™ Soft Polyether Impression Material, Imprint™ 3 VPS Impression Material and Position™ Penta™ Quick VPS Alginate Replacement.

More proven solutions brought to you by 3M ESPE, the worldwide leader in impression materials.

Easy to attach mixing tip without opening device cover

Easy cartridge exchange

Product name and working/setting times are visible, even when the device cover is closed

Push-buttons on left and right side allow for easy operation

Ordering Information

Item #	Product Information
77875	Pentamix™ 3 Automatic Mixing Unit
77601	Pentamix™ 3 Wall Mount Kit
71512	50 Penta™ Mixing Tips, Red
P3774	Impregum™ Penta™ Soft Quick Step HB Cartridge, Dark Purple
P3794	Impregum™ Penta™ Soft HB Cartridge, Dark Purple
P3776	Impregum™ Penta™ Soft Quick Step MB Cartridge, Medium Purple
P3788	Impregum™ Penta™ Soft MB Cartridge, Medium Purple
P3792	Impregum™ Penta™ MB Cartridge, Medium Purple
P3796	Impregum™ Penta™ Soft LB Cartridge, Light Pink
P3806	Imprint™ 3 Penta™ Putty Cartridge, Green
P3807	Imprint™ 3 Penta™ Quick Step HB Cartridge, Blue-Green
P3808	Imprint™ 3 Penta™ HB Cartridge, Burgundy
P3804	Imprint™ II Penta™ HB Cartridge, Mauve
P3691	Position™ Penta™ Quick Cartridge, Lavender

Item #	Product Information
P3801	Dimension™ Penta™ H Cartridge, Green
P3661	Dimension™ Penta™ H Quick Cartridge, Light Green
P3651	Dimension™ Penta™ L Cartridge, Pink
P3851	Permadyne™ Penta™ H Cartridge, Orange
P3861	Permadyne™ Penta™ L Cartridge, Blue
P3821	Ramitec™ Penta™ Cartridge, Yellow
77780	Plunger Discs
71210	Elastomer Syringe Set Kit includes: 1 syringe; 4 tips; 4 barrels; 1 brush
71225	12 Syringe Tips
71200	10 Elastomer Syringe Barrels
77720	Syringe Knurled Hub Cap

Customer Care Center: 1-800-634-2249   www.3MESPE.com/GreatImpressions

3M ESPE

Dental Products

3M Center
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St. Paul, MN 55144-1000
U.S.A.
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3M Canada

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Pentamix™ 3
Automatic Mixing Unit

Technical Data Sheet

Features

3M ESPE's third generation Pentamix device, the Pentamix™ 3 Automatic Mixing Unit, sets higher standards with the following features:

- Fastest Speed
- Smallest Size
- Easy Operation
- Reliable Timing
- High Mixing Quality
- Hygienic and Clean

Introduction/History

Taking precision impressions is a critical step in providing high quality restorations to patients. As a worldwide leader in impression materials, 3M ESPE innovations have continuously advanced impression technology for the past 40 years. These innovations did not only apply to the impression material side, but also focused on the handling and robustness of the dosing and mixing of these materials.

Important mile stones:

First*

| Handmix | Garant™ Dispenser | Pentamix™ Automatic Mixing Unit | Pentamix™ 2 Automatic Mixing Unit | Pentamix™ 3 Automatic Mixing Unit (New!) |

| | 1983 | 1993 | 1999 | 2004 | 2008 |

| Express™ Putty | Cartridges | Penta™ Cartridges | Penta™ Metal Reinforced Cartridges | Pentamix™ 3 Metal Reinforced Cartridges (New!) |
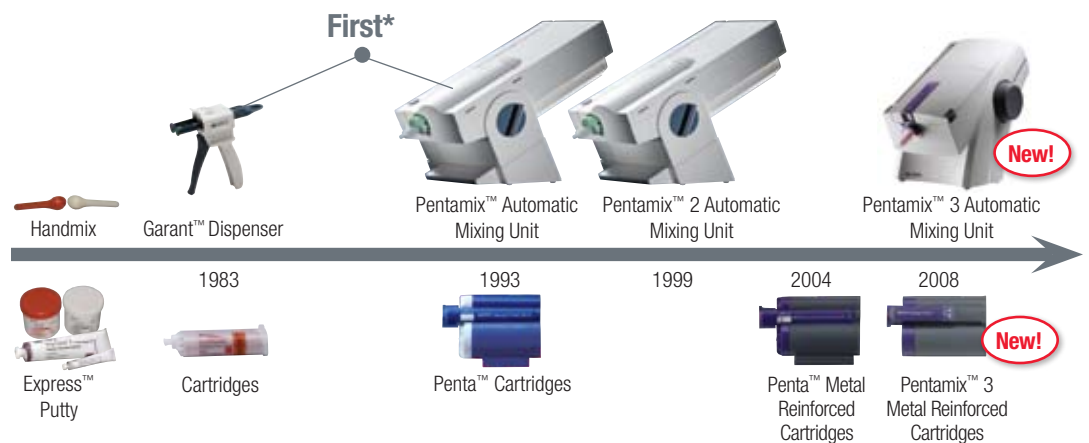
Since 1983 and 1993 respectively, many dentists worldwide have adopted the concept of hand and electrical automated mixing in their offices. Both the 3M ESPE hand automated dispenser and the original electrical Pentamix™ Automatic Mixing Unit replaced spatulation. The introduction of the Pentamix™ 2 Automatic Mixing Unit provided a dispensing extrusion speed twice that of the original Pentamix mixing unit.

* 3M ESPE was the first manufacturer to introduce automix dispensing in both the Garant™ Dispenser and the Pentamix™ Automatic Mixing Unit.

3M ESPE

Pentamix™ 3 Automatic Mixing Unit Features for Optimized, More Convenient, Comfortable Handling

- The Pentamix™ 3 Automatic Mixing Unit operates at twice the extrusion speed compared to the Pentamix™ 2 Automatic Mixing Unit. This reduces the tray filling time by half.

- The Pentamix 3 mixing unit can be turned off with the main switch on the front. (Fig. 7)

- Readiness is signaled by the solid green LED. The LED blinks when the device is doing a self-check after turning it on and during operating conditions that do not allow safe clinical use. (Fig. 7)

- The Pentamix 3 mixing unit automatically detects when suitable Penta™ Foil Bags with Penta™ Authentication Label (Fig. 5b) and metal-reinforced cartridges are inserted. The Pentamix 3 mixing unit then operates with optimal mixing parameters.

- After releasing the start button, the Pentamix 3 mixing unit automatically releases the plungers, which can be recognized by the sound of the drive.

- 5:1 systems without Penta Authentication Label and/or non-reinforced metal Penta cartridges cannot be dispensed safely with full extrusion speed. In this case, the Pentamix 3 mixing unit will extrude the materials with the speed of the Pentamix 2.

- The locking lever of the Penta cartridge for the Pentamix 3 can be opened without opening the cover of the Pentamix 3 mixing unit. The mixing tip can be changed more easily. (Fig. 8)

- The lever of the Penta cartridge for Pentamix 3 snaps in to place in the completely opened position to allow easy change of the mixing tip. (Fig. 9)

- Hand wheels as well as start buttons are located on both sides of the device for convenient operation by left- and right-handed people.

- Insertion of the cartridges is simplified because the plungers snap into the uppermost position and the locking lever of the cartridge serves as a convenient handle. (Fig. 10)

Technical Data

Pentamix™ 3 Automatic Mixing Unit	
Main Voltage	100 – 240 V/47 – 63 Hz
Power Input	max. 2A
Plunger forward speed	max. 45 mm/min.
Plunger retraction	manual, typically 3 sec.
Mixer shaft speed	380 – 760 rpm
Rate of dispensing	> 150 ml/min.
Extrusion Force	up to 6.500 N, electronically limited to 10.000 N (+/− 20%)
Weight	9,8 kg
Dimensions	L 283 mm x W 225 mm x H 280 mm

120V power

Fig. 7 On/off switch.

Fig. 8 The locking lever can be opened (to change mixing tip) while the cover the of Pentamix™ 3 Automatic Mixing Unit is closed.

"click"

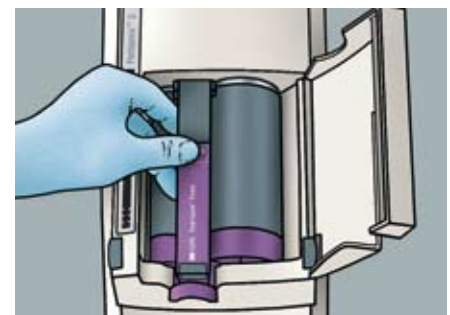**Fig. 9 Locking lever snaps into the uppermost position.**

Fig. 10 The locking lever of the Pentamix™ 3 Automatic Mixing Unit cartridge serves as a convenient handle.

ThermaKnife™
Hot Tipped Tray Trimming Knife

Buffalo

An effective and time-saving knife for fast and easy trimming of bleaching trays, night guards, mouthguards and other thermoplastic materials.

Featuring an A and B switch, the ThermaKnife has the ability to support two different pens at one time or support a pen and our newly available ThermaPlier. This allows the user to quickly switch back and forth on a trimming job for efficiency and accuracy. Simply choose the pen design that best suits your needs, set your temperature and complete your trimming job with ease. With an adjustable temperature control, you'll always be able to customize the process to your cutting speed and material thickness. Pens and plier can also be interchanged quickly and easily.

Knife-Edge Tip   Concave Tip   Waxing Tip

ThermaPlier NEW
Hot Tipped Thermal Pliers

Our new ThermaPlier hot tipped thermal plier attachment is great for reheating the critical areas of dental aligners and tooth positioners without causing adjacent plastic to distort. Fit and form are very important when dealing with aligners, as they function as a guide to proper tooth position, so trust in a tool to get the job done right! It can also be used in orthodontic appliances and mouthguards.

*Optional Accessory
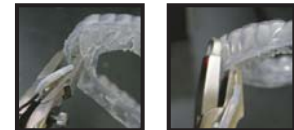
Features/Benefits:

- Fully adjustable temperature control for precise cutting action

- Cutting tip heats ultra-fast to save time and eliminate waiting

- Lightweight pen features an ergonomic design and sharp, permanent tip for improved comfort & control

- A & B Selection switch allows for the use of two different Pens or a Pen and ThermaPlier to reduce time and increase trimming productivity

- Fast and easy pen replacement (via snap connector at back of pen) for added convenience

- Convenient pen rest provides added safety when unit not in use

- Small portable size: Console 5.75" W x 5" D x 4" H (incl. pen rest) Pen: 6" L x .75" W (at foam grip), 2.5 lb total console/pen weight

Ordering Information:

Item No.	Description		
80500	ThermaKnife Intro Kit, 120 V AC (Includes Knife-Edge Pen)	80530	Replacement Pen with Waxing Tip
80510	Replacement Pen with Concave Tip	80610P	ThermaPlier
80520	Replacement Pen with Knife-Edge Tip		

Contact your dealer today, or jeannieb@mailbdm.com and we will be happy to assist you! ThermaKnife and ThermaPlier are Made in the USA!

Buffalo Dental Manufacturing Co., Inc.
159 Lafayette Dr., PO Box 678, Syosset, NY 11791-0678 | Tel: 516.496.7200 or 800.828.0203
Fax: 516.496.7751 | Email: sales@mailbdm.com | www.buffalodental.com

(/application/files/1614/7215/1935/Zirc_17Z102G-X_Wall-HangingLabPan_Blue_2.png)

Wall Hanging Lab Pan

Product Code: 17Z102A

$7.25 USD

Same as standard version but with strip on top back for hanging on any vertical surface

Save on installing expensive shelving

Dimensions: 7-3/4" x 5-3/4" x 7"

Contains Antimicrobial Protection

Surface Disinfect Only

Select Available Color:

A   B   D   G   M

Wall Strip Lab Pan

Product Code: 17Z104

$10.00 USD

Drilled and countersunk with screws and wall anchors

Holds 3 Lab Pans   18" x 7/8" x 3/8"

Surface Disinfect Only

1 ⇕   **Add to Cart**

Simplify medication management with enterprise-wide technology

BD Pyxis™ ES platform solutions specifications

Existing 2 Drawer unit to be relocated

BD Pyxis™ Anesthesia Station ES technical specs

BD Pyxis™ Anesthesia Station ES system dimensions	
Height from floor to work surface	40 in
Height from floor to top of monitor	55 in
Height to top of accessory rack	61 in
Depth: Drawers closed	28 in
Depth: Drawers open	52 in
Width without return bin	37 in
Width with return bin	47.5 in

Additional information	
Weight	400 lbs
Electronics access	Two identical keys allow quick access to side electronics section
Removable rear panel	Two nonidentical keys allow emergency access to mechanical drawer latches
AC power	100–240 V AC, 50/60 Hz, 3A
Heat evolved	Approximately 355 BTU/h, 0.9 amp at 117 V

120V ←

Drawer type	Depth	Width	Length	Cubic dimensions
Single-wide MiniDrawer	1.3 in	2.5 in	15.6 in	50.7 in^3
Triple-wide MiniDrawer	1.3 in	8.0 in	15.6 in	162.2 in^3
Half-height matrix drawer	2.0 in	14.8 in	20.5 in	639.0 in^3
Full-height matrix drawer	4.7 in	15.2 in	25.5 in	1,821.7 in^3
Pop-matrix drawer	4.7 in	15.2 in	25.5 in	1,821.7 in^3
Bin drawer	10.4 in	22.8 in	25.5 in	6,046.6 in^3

Recommended drawer position	Drawer type	Maximum number of line items per drawer	Number of drawers per unit	Total line items
1	MiniDrawer	18	1	18
2	Half-height matrix drawer	48	2	96
3	Pop-matrix drawer	48	1	48
4 and 5*	Full-height matrix or bin drawer	48 / 48	2 / 1	96 or 48
Total capacity		258 with two matrix drawers in drawers 4 and 5, or 210 with one bin drawer in drawer 4		

System specifications represent recommended space for installation.

*Can be used for two matrix drawers or combined for one bin drawer

BD Pyxis™ MedStation™ ES

Medication management solutions for pharmacy, nursing and IT departments

Patient-centric interface

Barcode scanner

Thermal printer

Sealed keyboard

Secure half-height
CUBIE™ pockets

Secure MiniDrawers

Secure full-height
CUBIE™ pockets

Controlled access
matrix drawers
(with optional return bin)

Biometric access system

BD Pyxis™ MedStation™ ES main
(drawer options available)*

7-drawer auxiliary

Single column auxiliary
(column options available)

*Various drawer/column options are available

BD Pyxis™ MedStation™ ES drawers

Full-height CUBIE™ pockets

Half-height CUBIE™ pockets*

Secure single-wide MiniDrawer *(I–18)*†

Secure triple-wide MiniDrawer *(I–6)*†

Matrix drawer *(with optional return bin)*

Accessible deep bin drawer

*With select software releases

†Configurable options available

BD Pyxis™ MedStation™ ES mains

6-drawer main
22.8 in W x 27 in D x 55 in H

4-drawer main plus bin
22.8 in W x 27 in D x 55 in H

2-drawer main
22.8 in W x 27 in D x 27.8 in H

0-drawer main
22.8 in W x 27 in D x 11.5 in H

System specifications represent recommended space for installation.

BD Pyxis™ MedStation™ ES auxiliary

7-drawer auxiliary
22.8 in W x 27 in D x 47 in H

Half-height column auxiliary
31 in W x 28 in D x 43 in H
(2 doors)

Single column auxiliary
31 in W x 28 in D x 79.5 in H
(4 doors)

Double column auxiliary
52 in W x 28 in D x 79.5 in H
(8 doors)

System specifications represent recommended space for installation.

BD Pyxis™ Enterprise Server

Flexible enterprise-ready server deployment options

The BD Pyxis™ Enterprise Server provides hospitals and health systems a scalable, flexible foundation for managing BD Pyxis™ ES platform technologies on a single database. This enterprise-ready system provides technology deployment options that can grow with you in size, scope and capacity for years to come. The design increases uptime and minimizes time spent managing redundant data.

Deployment options include:

Software only

BD can install the BD Pyxis™ ES system software on your facility's server or VMware environment. *(Ask your salesperson for details.)*

VMware-ready

BD can deploy a VMware application in your IT environment.

Hardware requirements

- Intel® Xeon CPU ES5630 *(2.53 GHz)* or higher

Windows requirements

- Microsoft® Windows Server 2008 R2/2012 or higher
- Microsoft® SQL Server 2008 R2/2012 or higher

Backup and security

- BD Pyxis™ Security Module or hospital-provided security
- Windows updates are deployed from the BD Pyxis™ Security Module. An optional configuration allows BD-approved Windows updates to be deployed by client IT.
- Depending on deployment option, BD Pyxis™ ES system can be supported by hospital-provided system backup software.

To learn more about BD Pyxis™ platform, BD Pyxis™ Anesthesia Station ES, BD Pyxis™ MedStation™ ES and additional BD Pyxis™ technologies, contact your BD sales representative or visit **bd.com**

BD, San Diego, CA, 92121, U.S.

bd.com

stryker

Information for **healthcare professionals**

CACTUS

PRODUCTS | RESOURCES AND EDUCATION | NEWS AND EVENTS | CONTACT US

Products

SMART SINK   PHARMA LOCK

Cactus Smart Sink® Controlled Substance Waste Management System

Stryker's Cactus Smart Sink System is designed to safely and easily dispose of controlled substance waste that would otherwise be discarded in red sharps containers, waste bins or down the drain. The Cactus Smart Sink System helps bring your medical facility into compliance by providing proper disposal while simplifying the controlled substance waste management process. It renders the waste non-retrievable and unusable so the remaining portions of controlled substances do not end up in the wrong hands or impact the environment.

Key features:

- 15.5"W x 12.5"H x 9.5"D
- Holds approximately 1.7 liters of solid waste
- Holds approximately 3.0 liters of liquid waste
- "Fast fill" button accommodates waste disposal in large quantities
- Audible and visual alerts notify staff when cartridges become full or expire, or when unit has been accessed
- Includes battery or optional AC power adapter
- Includes security lock and key
- Includes hanging wall bracket

DOWNLOAD BROCHURE

Provide outlet for power option

Installed unit on wall with suppled brackets

Using the Cactus Smart Sink System

The battery powered Cactus Smart Sink System conveniently mounts on a wall or countertop in minutes and can be used anywhere medications are dispensed or administered by healthcare professionals. The innovative controlled substance waste disposal system accepts unused pharmaceuticals in both liquid and solid forms, including patches. It incorporates two types of cartridges, one for liquid waste and one for solid waste. Both cartridges have the ability to render the remaining portions of controlled substance waste into an unrecoverable and unusable form and securely store them until they can be disposed of per regulatory guidelines.

The Cactus Smart Sink System is designed to accept raw liquid pharmaceuticals directly from syringes, vials or IV bags. It also features a one-way funnel that accepts tablets, capsules and patches. The Cactus Smart Sink System includes audible alerts and alert lights to notify staff when the cartridges are full, have expired or when the unit has been accessed. The system cannot be removed from the security bracket without the key and does not accept sharps, vials and/or IV bags.

Applications and installation

Installing your Cactus Smart Sink System is quick and easy!

The Cactus Smart Sink System is completely self-contained and automatic with no complicated buttons or complex instructions. The system can be securely installed in any location where medications are dispensed or administered by healthcare professionals. The unit can be securely fastened on a wall or countertop with the provided bracket and mounting hardware. Automatic alerts will sound when the cartridges are full, have expired or when the unit has been accessed. A low battery warning light will alert staff when battery replacement is required. With normal use, the battery typically lasts twelve months (AC adapters are also available).

Applications and locations include:

Nursing stations, emergency rooms, procedural rooms, pharmacies, near medication dispensing equipment, hospice, surgery centers, doctors offices, veterinary hospitals, nursing homes, container ships, correctional facilities and anywhere medication is administered by healthcare professionals.

Learn more about the Cactus System

LEARN MORE

9100-004-638 Rev. A
Last Updated January/2020

Health Care Logistics INC.

Your small friend, indeed®

1.800.

Home   Shop All Products ▾   About Us   Customer Service   Blog

Search here...   Go

❶ HCL Alerts: - Due to COVID-19, stock levels for PPE and cleaners are extremely limited and we are seeing delays with replenishment orders for these high-demand items. We appreciate your business and thank you for your patience as we continue to work through this challenging time together.

Lockable Return Drop Box, 2-1/8" opening, 1 Key Lock (19194)

- **Larger Opening** - Drop box can accommodate larger drug bottles as well as vials, syringes, ampules and more.
- **Smart Design** - Anti-theft baffle prevents unauthorized access to pharmaceutical contents.
- **Secure** - Locking heavy gauge metal drop box can be secured to countertops or wall mounted.
- Includes two keys. Keyed differently. Contact customer service for keying options.
- Predrilled holes for mounting.
- **Dimensions:**
  Overall: 12⅝"W x 13"H x 12"D
  Lift-Up Opening: 4⅝"H
  Inside Opening: 2⅛"
- **Similar & Companion Items:**
  18624 Lockable Return Drug Box, 1-3/4" opening, 1 Key Lock
  3783 Lockable Return Drug Box, 1 Lock
  17847 Lockable Return Drug Box w/ Keyless Entry Digital Lock
  3769 Security Drop Box, 2 Locks
  11134 Surface Mountable Drop Box, 1 Lock
  17683 Slim Wall Drop Box, 1 Lock

Product found on page(s) 100 of the Parrot Trooper catalog.

zoom view

Price:	$210.80/Each
Quantity:	1

ADD TO CART   CONTINUE SHOPPING

Customers who bought this item also purchased:

1510 Single Coil Neck Key Keeper	1525 Wrist Key Keeper
17683 Slim Wall Drop Box, 1 Lock	17847 Lockable Return Drop Box with Keyless Entry Digital Lock
18624 Lockable Return Drop Box, 1-3/4" opening, 1 Key Lock	3769 Security Drop Box, 2 Locks
3783 Lockable Return Drop Box w/ Key Lock	7618-10 Single-Tube Transport Bubble Bags, 4 x 5-1/2

Non-Hazardous Pharmaceutical Waste Container with Biohazard Label

2 Gallon Container
10"H x 7.25"D x 10.5"W

ely to meet state regulations for pharmaceutical waste.

CUSTOMER SERVICE
For product specifications, service, and certificate requests, please call our Customer Service team.

☎ Call Customer Service 800.964.5227 »

Would you like to leave us feedback on our product content or images?

Product description

Our non-hazardous pharmaceutical waste containers are developed exclusively to meet state regulations for pharmaceutical waste. White with blue lids, they are easily distinguished from other disposal containers. Available with a leak-resistant gasket and absorbent pad to help contain liquid contents. Locking wall-mounting brackets and floor carts are available allowing for point-of-use placement and one-handed disposal; increases mobility, stability, and security.

- Tamper evident label helps deter tampering during final disposal
- Sturdy, rigid polypropylene construction provides excellent impact and leak resistance (unlike cardboard or fiber) to contain heavy vials, I.V. bags, and more
- Secure, hinged lid with temporary and final closure accepts larger, bulkier waste; closes temporarily between uses; locks for final disposal

Ordering information

Order Code	Description	Ship Case
8820	2 Gallon Pharmceutical Waste Container	20
8836sa	3 Gallon Pharmaceutical Waste Container, Counterbalanced Lid	10
8850	8 Gallon Pharmceutical Waste Container, Hinged Lid	10
8851	8 Gallon Pharmceutical Waste Container, Slide Lid	10
8860	12 Gallon Pharmceutical Waste Container, Hinged Lid	10
8870	18 Gallon Pharmceutical Waste Container, Hinged Lid	5
8871	18 Gallon Pharmceutical Waste Container, Slide Lid	5

Southcentral Foundation Dental Clinic

Fireweed Building Renovation

Dental Equipment Cut Sheet

Item To Be Selected

Crash Cart to be Provided by Southcentral Foundation - verify exact manufacturer, model, size & accessories

AED Plus®

Technical Specifications

Suggested model - exact unit
to be selected by the Owner

More than CPR. This Is Real CPR Help®.

Only half of sudden cardiac arrest victims will initially need a shock, but nearly all require high-quality CPR. ZOLL® offers the only AEDs that support rescuers with integrated text, voice, and visual prompts — Real CPR Help®. Its real-time feedback on compression rate and depth helps rescuers administer high-quality CPR.

Smart Investment with a Low Total Cost of Ownership

Longer-lasting batteries and pads require fewer replacement parts, adding up to considerable cost savings over time and rescue readiness in a cardiac arrest emergency.

### Intuitive One-piece Electrode Pad Design

Speed is of the essence when treating a victim of sudden cardiac arrest. ZOLL's CPR-D-padz® electrodes feature a unique one-piece, pull-strip design to ensure fast and accurate placement and to minimize the potential of pads being dropped or stuck together.

Designed to be Durable

AEDs are often subjected to rough handling and extreme conditions during an emergency. The ZOLL AED Plus® is highly resistant to dust and moisture and has an ingress protection (IP) rating of 55, among the highest in the industry. It also meets IEC 68-2-27; 100G for shock and military (MIL Standard 810F).

Options to Meet Your Preferred Shock Protocol

The ZOLL AED Plus is available in both semi-automatic (shock button manually pressed by rescuer if a shockable rhythm is detected) or fully automatic (AED automatically administers a shock if a shockable rhythm is detected).
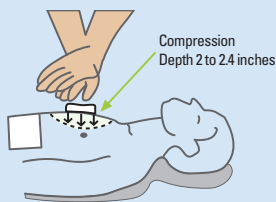
ZOLL®

Real CPR Help provides unique assistance to rescuers with real-time feedback on CPR compression depth and rate.
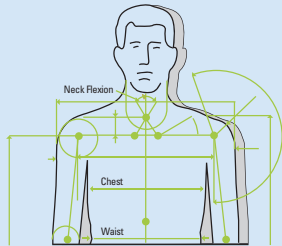
ZOLL's one-piece CPR-D-padz electrodes are designed to fit 99% of the population's chest anatomy.

CPR-D-padz offer clear anatomical placement illustrations and a CPR hand positioning landmark.

CPR-D-padz come complete with rescue essentials, including a barrier mask, a razor, scissors, disposable gloves, and a towelette.

ZOLL Medical Corporation
Worldwide Headquarters
269 Mill Road
Chelmsford, MA 01824, USA
978-421-9655
800-804-4356

For subsidiary addresses and fax numbers, as well as other global locations, please go to www.zoll.com/contacts.

AED Plus Specifications

Defibrillator

Protocol: Semi-automatic and Fully Automatic configuration

Waveform: ZOLL Rectilinear Biphasic™

Defibrillator Charge Hold Time: 30 seconds

Energy Selection: Automatic preprogrammed selection

(120J, 150J, 200J)

Patient Safety: All patient connections are electrically isolated

Charge Time: Less than 10 seconds with new batteries

Electrodes: ZOLL CPR-D-padz, Pedi-padz® II or Stat-padz® II

Self-test: Configurable automatic self-test from 1 to 7 days. Default = every 7 days. Monthly full-energy test (200J).

Automatic Self-test Checks: Battery capacity, electrode connection, electrocardiogram and charge/discharge circuits, microprocessor hardware and software, CPR circuitry and CPR-D sensor, and audio circuitry

CPR: Metronome Rate: Variable 60 to 100 CPM

Depth: 3/4" to 3.5"; 1.9 to 8.9 cm

Defibrillation Advisory: Evaluates electrode connection and patient ECG to determine if defibrillation is required

Shockable Rhythms: Ventricular fibrillation with average amplitude >100 microvolts and wide complex ventricular tachycardia with rates greater than 150 BPM for adults, 200 BPM for pediatrics. For ECG Analysis Algorithm sensitivity and specificity, refer to AED Plus Administrator's Guide.

Patient Impedance Measurement Range: 0 to 300 ohms

Defibrillator: Protected ECG circuitry

Display Format: Optional LCD with moving bar

Size: 2.6" x 1.3"; 6.6 cm x 3.3 cm

Optional ECG Viewing Window: 2.6 seconds

Optional ECG Display Sweep Speed: 25 mm/sec; 1"/sec

Battery Capacity: Typical new (20°C) = 5 years (225 shocks) or 13 hours continuous monitoring. End of life designated by Red X (typical remaining shocks = 9).

Data Recording and Storage: 7 hours of ECG and CPR data. If audio recording option is ordered and enabled, 20 minutes of audio recording, ECG, and CPR data.

PC Minimum Requirements for Configuration and Patient Data Recovery (not compatible with Mac OS): Windows XP, Windows 7, Windows 8, Windows 10, IBM-compatible PII with 16550 UART (or higher) computer. 64MB RAM. VGA monitor or better. CD-ROM drive. IrDA port. 2MB disk space.

Device

Size: (H x W x D) 5.25"x 9.50" x 11.50"; 13.3 cm x 24.1 cm x 29.2 cm

Weight: 6.7 lbs; 3.1 kg

Power: User-replaceable batteries. 10 Type 123A Photo Flash lithium manganese dioxide batteries

Device Classification: Class III and internally powered per EN60601-1

Design Standards: Meets applicable requirements of UL 2601, AAMI DF-39, IEC 601-2-4, EN60601-1, IEC60601-1-2

Environmental

Operating Temperature: 32° to 122°F; 0° to 50°C

Storage Temperature: -22° to 140°F; -30° to 60°C

Humidity: 10 to 95% relative humidity, non-condensing

Vibration: MIL Std. 810F, Min. Helicopter Test

Shock: IEC 68-2-27; 100G

Altitude: -300 to 15,000 ft.; -91 m to 4,573 m

Particle and Water Ingress: IP-55

CPR-D-padz

Shelf Life: 5 years

Conductive Gel: Polymer Hydrogel

Conductive Element: Tin

Packaging: Multilayer foil laminate pouch

Impedance Class: Low

Cable Length: 48 in (1.2 m)

Sternum: Length: 6.1 in (15.5 cm); Width: 5.0 in (12.7 cm); Length, conductive gel: 3.5 in (8.9 cm); Width, conductive gel: 3.5 in (8.9 cm); Area, conductive gel: 12.3 sq in (79.0 sq cm)

Apex: Length: 6.1 in (15.5 cm); Width: 5.6 in (14.1 cm); Length, conductive gel: 3.5 in (8.9 cm); Width, conductive gel: 3.5 in (8.9 cm); Area, conductive gel: 12.3 sq in (79.0 sq cm)

Complete Assembly: Folded length: 7.6 in (19.4 cm); Folded width: 7.0 in (17.8 cm); Folded height: 1.5 in (3.8 cm)

Design Standards: Meets applicable requirements of ANSI/AAMI/ISO DF-39-1993

ZOLL.®

BREATHING CIRCUITS AND NASAL HOODS

Porter Breathing Circuits and Vacuum Control

PORTER BREATHING CIRCUITS WITH ADULT HOOD
5155-3AV
Porter Adult Breathing Circuit w/ AVS — **$1,068**
5155-1
Porter Adult Breathing Circuit w/ In-Line Vacuum Control — **$764**
5155-3
Porter Adult Breathing Circuit – No Vacuum Control — **$648**

PORTER BREATHING CIRCUITS WITH PEDIATRIC HOOD
5155-4AV
Porter Pediatric Breathing Circuit w/ AVS — **$1,068**
5155-2
Porter Pediatric Breathing Circuit w/ In-Line Vacuum Control — **$764**
5155-4
Porter Pediatric Breathing Circuit – No Vacuum Control — **$648**

*Order 4100-3NL or 4100-2NL Breathing Bag Separate (see page 46)

PORTER VACUUM CONTROLS
AVS-5000
Automatic Vacuum Switch — **$521**
AVS-5000S
Automatic Vacuum Switch w/ Swivel Mount — **$561**
AVS-5000QD
Automatic Vacuum Switch w/ Quick Disconnect — **$521**
5501-RK
In-Line Vacuum Control — **$121**

AVS-5000

AVS-5000S

AVS-5000QD

5501-RK

P1407QD Bag Tee not included – order separately

44

Parker | Porter

Porter MXR-D Flowmeter Bag Tee Mounts
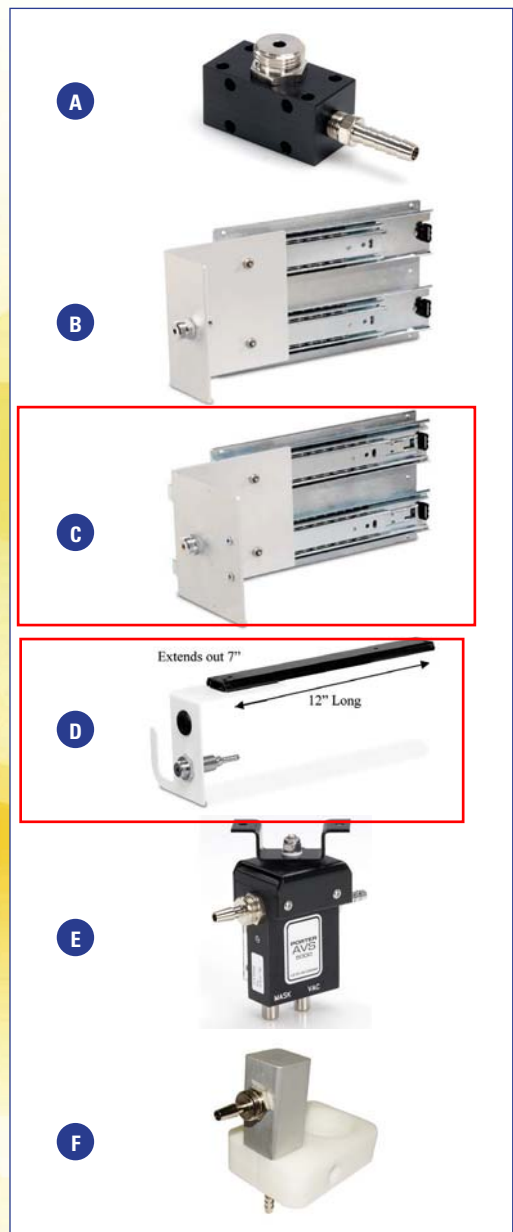
With exception of A-1679 (Bag Tee Mount) – all products listed below are not part of any flowmeter "package" and must be ordered separately.

A

A-1679 BAG TEE MOUNT   **$182**
(Included with all packages)

B

2036-4 LEFT OR RIGHT SIDE SLIDE MOUNT   **$499**
3-1/2" wide for narrow installs

C

2036-2 LEFT OR RIGHT SIDE SLIDE MOUNT   **$499**
5" wide with rubber goods hook mounting option

D

2037-1 UNDER COUNTER SLIDE MOUNT   **$502**

Mount type varies with location in cabinet - Equipment Supplier to confirm

E

AVS-5000S AVS UNDER COUNTER/CHAIR   **$561**
SWIVEL MOUNT

F

5335 CHAIR/LIGHT POST MOUNT (Bag Tee or AVS)   **$451**

2025   **$175**
CHAIR MOUNT KIT Not pictured – see page14.
Order in addition to options A-F.

A — B — C — D — E — F

Or

Or

Extends out 7"
12" Long

12 19/32

4 5/16

% N2O   nitrous   TOTAL FLOW   oxygen

PORTER

O2 connect outlet   Instant response / digital display   O2 flush

11 19/32

4 5/32

29/32

Fittings shown towards rear in this view for reference

11 9/16"

Cut-out Dimension

3 5/8"

1 13/16"

11"

1/4" Dia.
(2 Holes)

3 5/16

11/32

Fittings shown towards bottom in this view for reference

Parker Porter

7
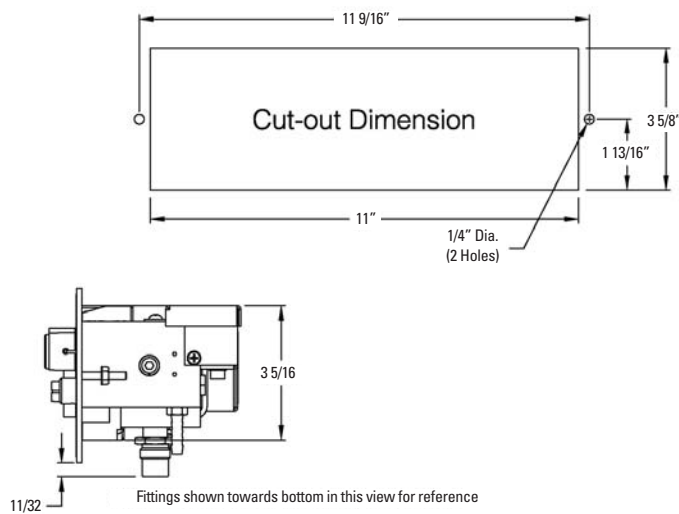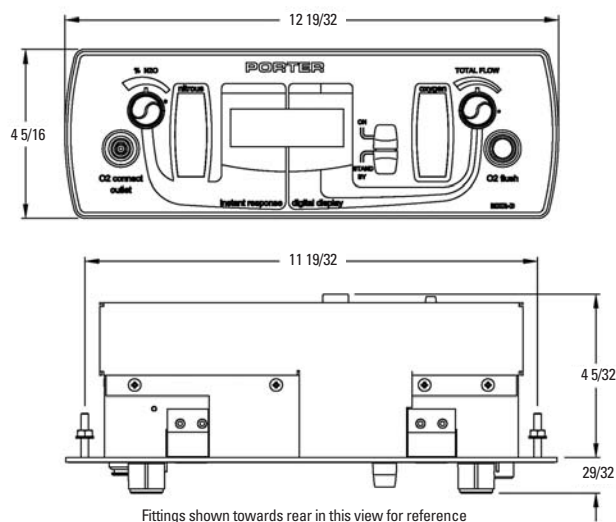
Porter MXR-D Flush Mount Flowmeter

Package Options:

A

4465CQD-AV Package
- MXR-D Flowmeter
- AVS-5000 w/ Quick Disconnect
- Porter Breathing Circuit
- A-1679 Bag Tee Mount
- 8' O_2 and N_2O DISS-to-DISS Hoses
- Pre-Install Kit

B

4465CQD Package
- MXR-D Flowmeter
- In-Line Vacuum Control
- Porter Breathing Circuit
- A-1679 Bag Tee Mount
- 8' O_2 and N_2O DISS-to-DISS Hoses
- Pre-Install Kit

- The best of both worlds: Analog/Digital combination flowmeter
- Real time flow confirmation with glass flow tubes plus a brightly lit LED screen
- Audible and visual alarms
- Oxygen quick connect conveniently located on the flowmeter faceplate

Dimensions: 12 19/32" x 4 1/4" x 4 5/16"
Cut-Out Dimensions: 11" x 3 5/8"
Weight: 8 lbs.

4065D   **$4,311**
PORTER MXR-D FLOWMETER ONLY (does not include power supply)

A-4243-000   **$344**
MXR-D POWER SUPPLY

A

4465CQD-AV   **$6,578**
PORTER MXR-D WITH AUTOMATIC VACUUM SWITCH PACKAGE
Flowmeter Package includes MXR-D flowmeter, AVS-5000 Vacuum Control, 5155-3AV Breathing circuit, Pre-Install Kit, Bag Tee mount, 8' O_2 and N_2O DISS-to-DISS hoses, and power supply for cabinet installations

    4465CQD-AV-LPI ....$ 6,293

B

4465CQD   **$6,161**
PORTER MXR-D WITH IN-LINE VACUUM CONTROL PACKAGE
Package includes: MXR-D flowmeter, 5155-1 Breathing Circuit, Pre-Install Kit, Bag Tee mount, 8' O_2 and N_2O DISS-to-DISS hoses, and power supply for cabinet installations

    4465CQD-LPI $5,876

For Wall Mount installation:
B-4988 Wall Bezel.............**$141**

A-4244-000 Wall Mount Power Supply – <u>Must Be Substituted</u>

Please contact Porter for wall installation requirements.

C

B-2460-KIT   **$285**
PRE-INSTALL KIT
Includes oxygen and nitrous oxide DISS-piped outlet connections with check valves.

If ordering in advance of flowmeter packages add LPI (Less Pre-Install) to future flowmeter package order – example: 4465CQD-LPI and deduct $285 from Retail Price.

Order Pre-Install Kits to outfit future nitrous operatories.

SEE NEXT PAGE TO SELECT BAG TEE MOUNTING OPTION (NOT INCLUDED IN ABOVE PACKAGES)

Parker | Porter

Vanguard Manifold System

Automatic Changeover Manifold

Vanguard Manifold

Vanguard Wall Alarm
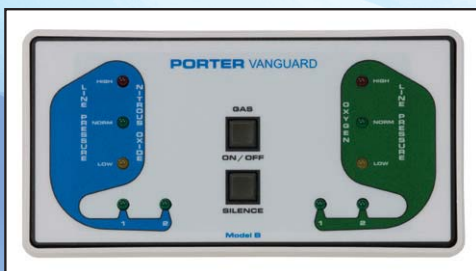
Vanguard Desk Alarm

Zone Valve

4222CXB $5,325
Vanguard Wall Alarm Package
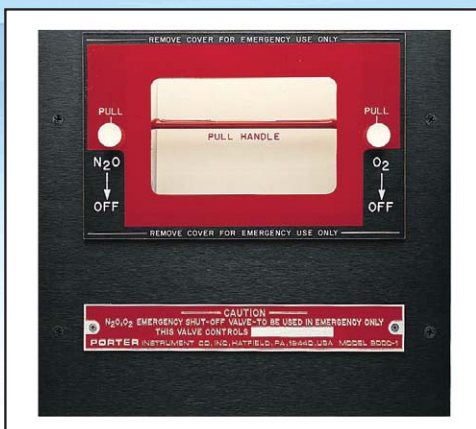
Alarm Included in Manifold Package

4222DXB $5,325
Vanguard Desk Alarm Package
Complete system including Vanguard Manifold, Wall/Desk Alarm, Manifold Pre-Install Kit, 2 O_2 and 2 N_2O Regulators, O_2 and N_2O hoses, Cylinder Restraints, 75' of Alarm Cable, and Power Supply

4222CXBLPI $5,075
Vanguard Wall Alarm Package (LPI)
Complete 4222 system Less Pre-Install Kit
3653-EZW $250
Vanguard Wall Alarm Pre-Install Kit

4222DXBLPI $5,075
Vanguard Desk Alarm Package (LPI)
Complete 4222 system Less Pre-Install Kit
3653-EZD $250
Vanguard Desk Alarm Pre-Install Kit

9000-2 $1,325
Vanguard System Concealed Zone Valve Shut Off
Cut Out Dimensions: 9" W x 10.5" H

Vanguard System Individual Components

4222NOHF-1	Vanguard Manifold Only	**$3,835**
6251A	Wall alarm only	**$1,291**
6201A	Desk alarm only	**$1,291**
7000-2	Oxygen tank regulator	**$400**
7500-2	Nitrous Oxide tank regulator	**$400**
8003	3 ft Oxygen Hose (tank to Manifold)	**$131**
8503-B	3 ft Nitrous Oxide Hose (tank to Manifold)	**$131**
3525	Cylinder Restraints (Set of 2)	
A-2144	DISS Copper Pigtails O_2 1/2" O.D. and N_2O 3/8" O.D.	**$128**

Parker | Porter

Vanguard Manifold System

Automatic Changeover Manifold

Vanguard Manifold

Vanguard Wall Alarm

Vanguard Desk Alarm

Zone Valve

4222CXB   **$5,325**
Vanguard Wall Alarm Package

4222DXB   **$5,325**
Vanguard Desk Alarm Package
Complete system including Vanguard Manifold, Wall/Desk Alarm, Manifold Pre-Install Kit, 2 O_2 and 2 N_2O Regulators, O_2 and N_2O hoses, Cylinder Restraints, 75' of Alarm Cable, and Power Supply

4222CXBLPI   **$5,075**
Vanguard Wall Alarm Package (LPI)
Complete 4222 system Less Pre-Install Kit
3653-EZW   **$250**
Vanguard Wall Alarm Pre-Install Kit

4222DXBLPI   **$5,075**
Vanguard Desk Alarm Package (LPI)
Complete 4222 system Less Pre-Install Kit
3653-EZD   **$250**
Vanguard Desk Alarm Pre-Install Kit

9000-2   **$1,325**
Vanguard System Concealed Zone Valve Shut Off

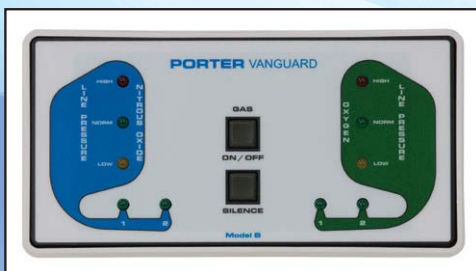Cut Out Dimensions: 9" W x 10.5" H

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3525	Cylinder Restraints (Set of 2)	
A-2144	DISS Copper Pigtails O_2 1/2" O.D. and N_2O 3/8" O.D.	**$128**

34

Parker | Porter

Nitrous Oxide Sedation Systems
INSTALLATION

ZONE VALVE ASSEMBLY
9000-2
TO
WALL SENTINEL
MANIFOLD SYSTEM

PORTER

E180

5700-6 6FT MODULAR
CONNECTOR CABLE

B-1811-000 SIGNAL
INTERCONNECT ASSEMBLY

1-KA18028-020 75FT/
4 CONDUCTOR CABLE
(INSTALL POWER SUPPLY
AT ANY POINT IN 75FT
CABLE).

(2 SETS
OF WIRE)

IN

OUT

PORTER

6251A WALL SENTINEL

B-1805-002
POWER/SIGNAL
JUNCTION ASSEMBLY

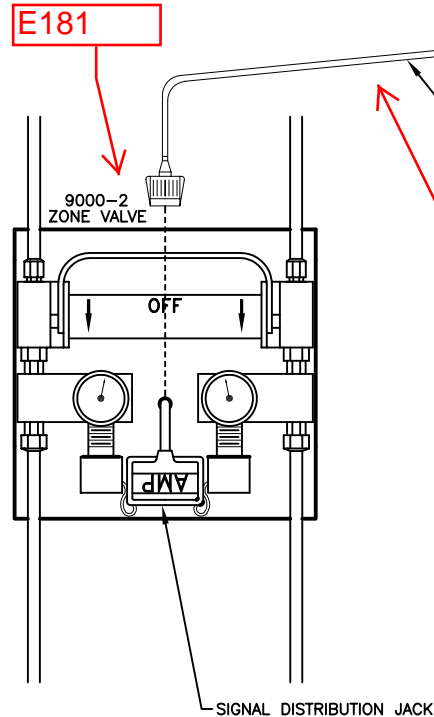SURFACE JACK
B-1919-000
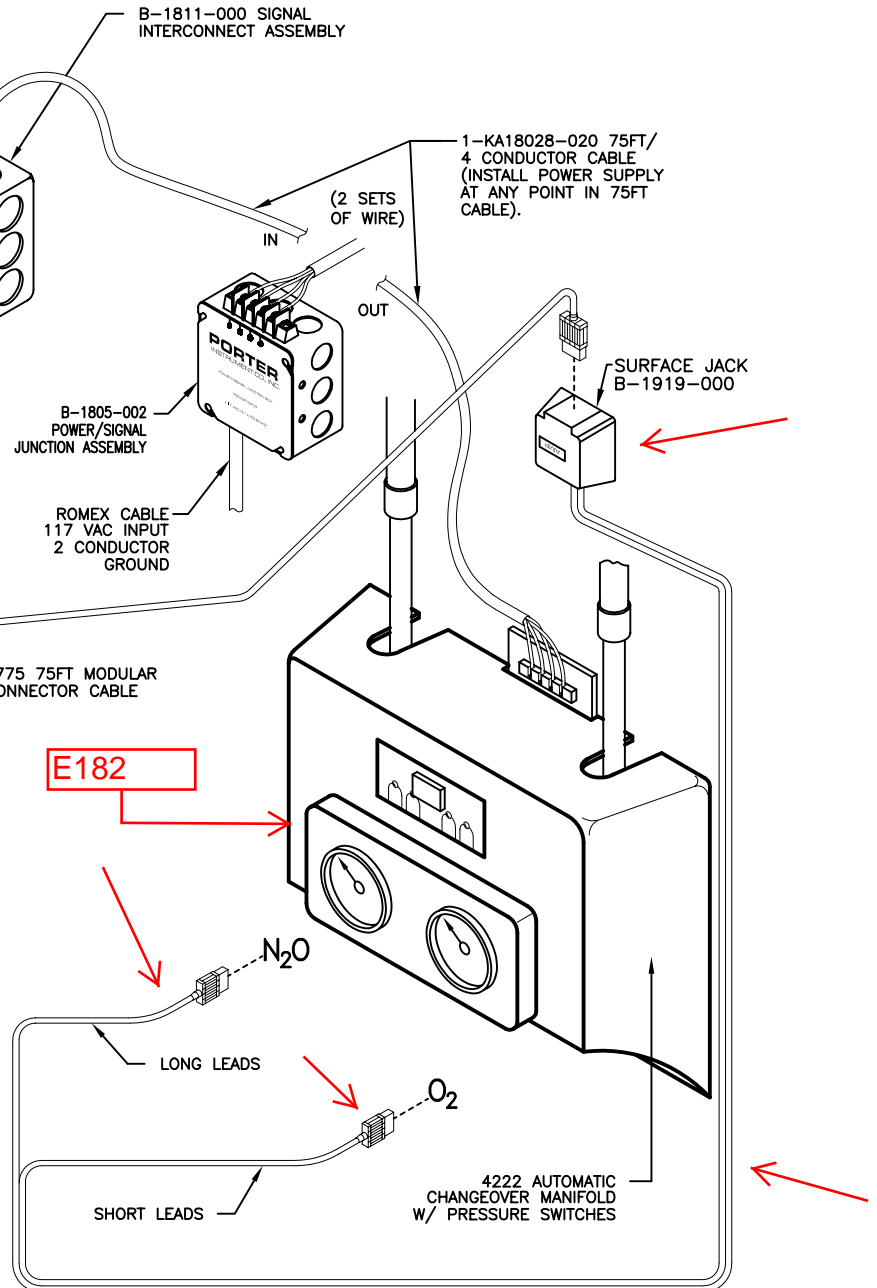
ROMEX CABLE
117 VAC INPUT
2 CONDUCTOR
GROUND
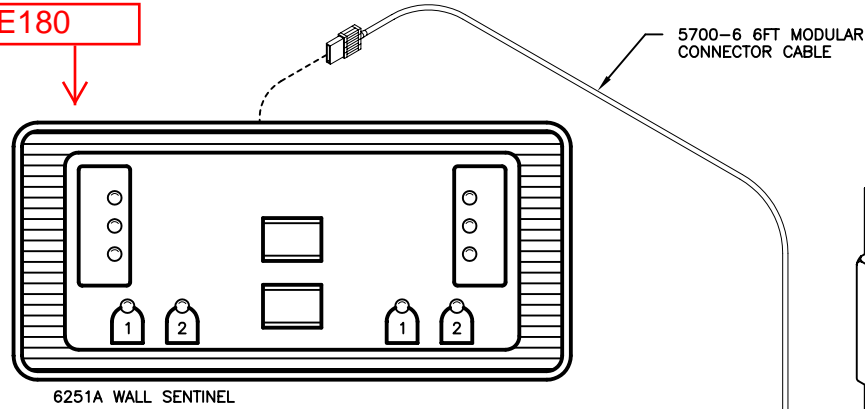
1. ZONE VALVE ASSEMBLY
9000-2 IS INSTALLED DOWN-
STREAM OF MANIFOLD USING
FITTINGS PROVIDED.

2. MODIFY MANIFOLD (4222) TO
INSTALL SURFACE JACK.
(B-1919-000). DISCONNECT
WIRES FROM HIGH/LOW PRESSURE
SWITCHES AND RECONNECT
LEADS FROM SURFACE JACK
AS SHOWN. NOTE: ON NEWER
MODELS CONNECT TO J4 ON
THE O2 (RIGHT SIDE) AND TO
J6 ON THE N2O (LEFT SIDE).

3. CONNECT SURFACE JACK TO
WALL BY ADHESIVE STRIP ON
BACK.

4. PLUG IN MODULAR CABLE
#5775 TO ZONE VALVE AND
SURFACE JACK.

5. FUNCTION TEST SYSTEM BY
VARYING PRESSURE AND MON-
ITORING ALARM FUNCTION FOR
BOTH N2O OR O2 AT HIGH,
NORMAL, AND LOW PRESSURE
SIGNAL CONDITIONS.

E181

9000-2
ZONE VALVE

OFF

AMP

5775 75FT MODULAR
CONNECTOR CABLE

E182

N2O

LONG LEADS

O2

SHORT LEADS

4222 AUTOMATIC
CHANGEOVER MANIFOLD
W/ PRESSURE SWITCHES

SIGNAL DISTRIBUTION JACK

IMPORTANT INFORMATION

NOTES:

1) Flush mount zone valve is designed to be installed onto studs located on 16 inch centers with gas supply coming in the top and out the bottom of zone valve.

2) Check to insure that:

   a) Gas supply lines are centered between studs and are on 7 3/8 inch centers.

   b) Nitrous oxide supply line is 3/8 O.D. tubing and located to the left.

   c) Oxygen supply line is 1/2 O.D. tubing and located to the right.

   d) Signal cable is properly routed and length is sufficient to make connection from zone valve to alarm station.

DATE 9/4/86	ECN	DR BG	CH HN	AP		SHT 1 OF 3
PORTER Parker Hannifin Corporation Porter Instrument Division 245 Township Line Rd. P.O. Box 907 Hatfield, PA 19440-0907 USA (215) 723-4000 / fax (215) 723-5106		INSTALLATION INSTRUCTIONS ZONE VALVE		**NUMBER 0055810E** **FM-389**		REV. E

FLUSH MOUNT ZONE VALVE - MODEL 9000-1 AND C9000

INSTALLATION PROCEDURE

1. With black bezel and lexan window removed, position chassis assembly in place. See Figure 1.

2. Check to insure that chassis is level. Nail main chassis to studs using drywall nails (not supplied). See Figure 1.

3. Silver solder (Braze) gas lines in place. Ref. NFPA Gas and Vacuum Systems Code Requirements.

4. Feed signal cable through hole "A" and plug into signal distribution jack. See Figure 1.
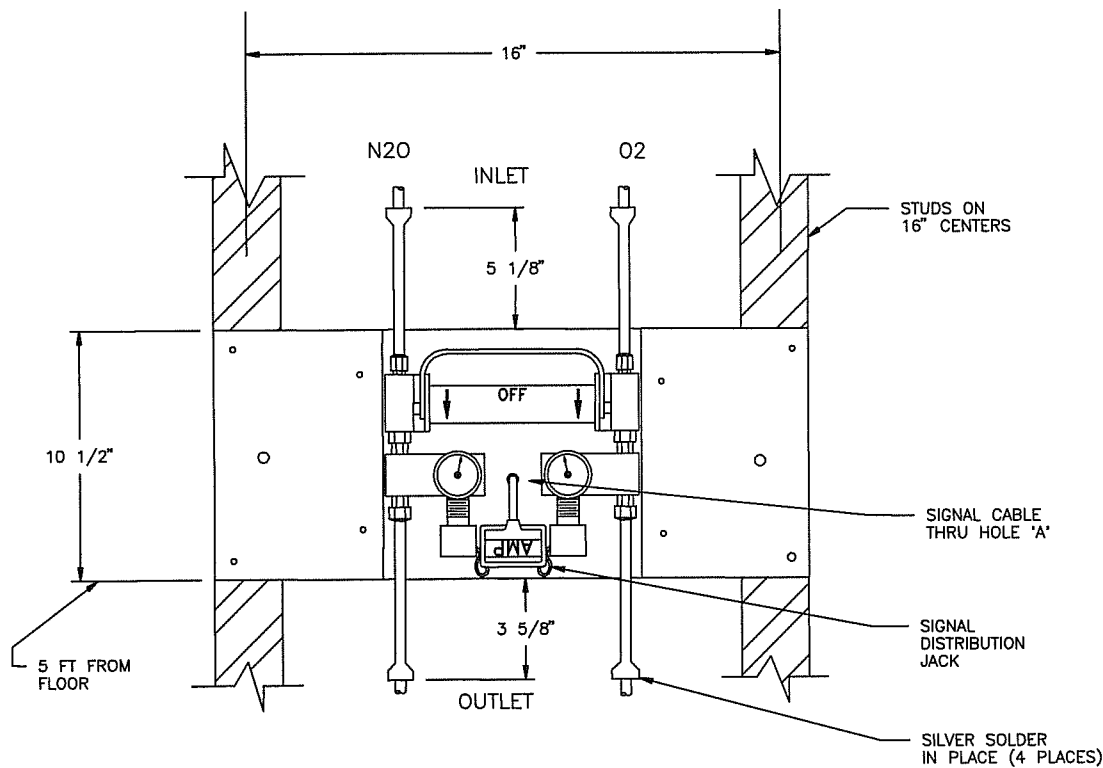
FIG. 1

5. System must now be pressure tested per NFPA Gas and Vacuum Systems Code pressure test requirements.

6. Dry wall is now to be installed and painted.

DATE 9/4/86	ECN	DR BG	CH HN	AP	SHT 2 OF 3	
PORTER	Parker Hannifin Corporation Porter Instrument Division 245 Township Line Rd. P.O. Box 907 Hatfield, PA 19440-0907 USA (215) 723-4000 / fax (215) 723-5106	INSTALLATION INSTRUCTIONS ZONE VALVE		NUMBER 0055810E	REV.	
				FM-389	E	

7.   Cutting opening: See Figure 2.

    A)   Width to be cut flush with width of fixed (main) Chassis. Approximately 9 in.

    B)   Height to be cut flush with height of fixed (main) Chassis. Approximately 10 1/2 in.

    C)   Use bezel as template to mark location of clearance holes for mounting screws. Drywall wall act as a spacer between chassis and bezel.

DRYWALL

BEZEL MTG
HOLES (4)
SEE NOTE C.
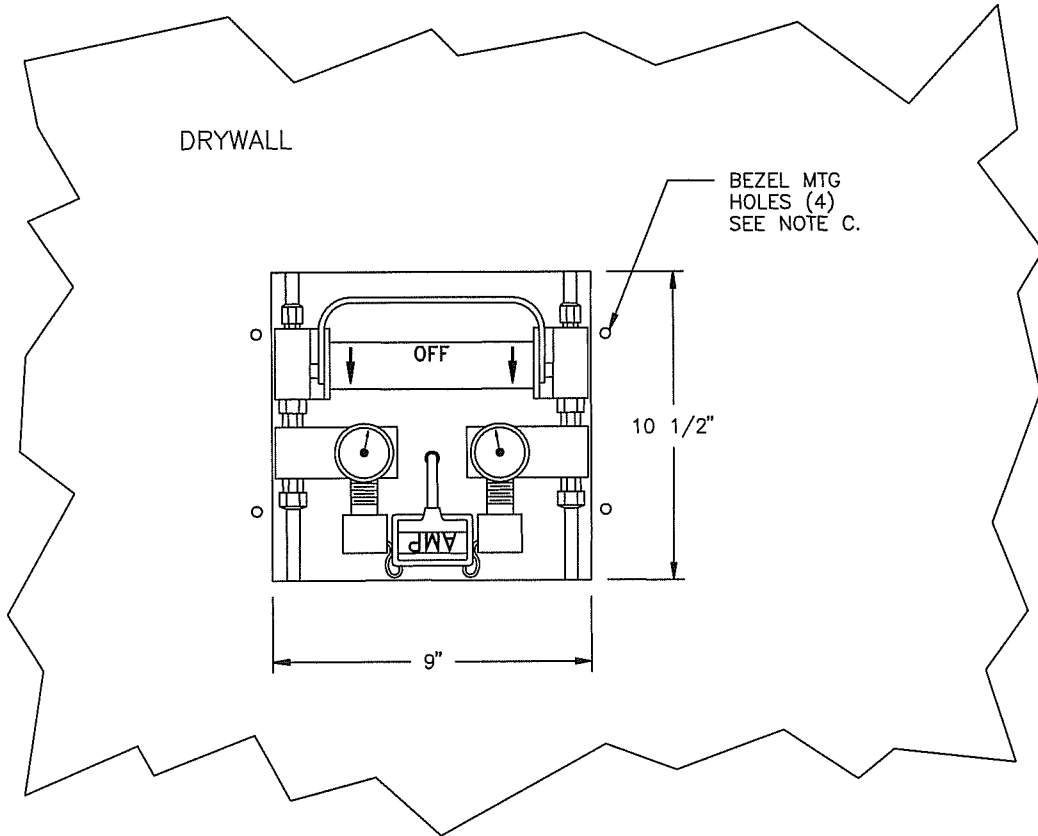
OFF

10 1/2"

AMP

9"

FIG. 2

8.   Install bezel using 4 flat-head screws provided. Tighten so that bezel sits firm against drywall.

9.   Install lexan window. Push in white knobs until they "snap" in place. This will secure window in place. To remove window, pull knobs.

10.   Install metal nameplate.

DATE 9/4/86	ECN	DR BG	CH HN	AP	SHT 3 OF 3
PORTER	Parker Hannifin Corporation Porter Instrument Division 245 Township Line Rd. P.O. Box 907 Hatfield, PA 19440-0907 USA (215) 723-4000 / fax (215) 723-5106	INSTALLATION INSTRUCTIONS ZONE VALVE		NUMBER 0055810E	REV.
				FM-389	E

Porter Vanguard Manifold

Model 4222CXB
Manifold System

Porter Instrument Vanguard Manifolds, Zone Valves and Outlet Stations utilize the cross + protection system. The system meets or exceeds the guidelines established by the National Fire Protection Association for Nonflammable Medical Gas Systems, NFPA 99C.

Product Application: Manifold Gas System for Nitrous Oxide and Oxygen for Level II facility.

Porter Vanguard Manifold

Porter Vanguard Wall Alarm Panel

SPECIFICATIONS:

Flow Capacity: Any flow range from 0-100 SLPM (nitrogen) with a pressure drop of no greater than 5 PSIG
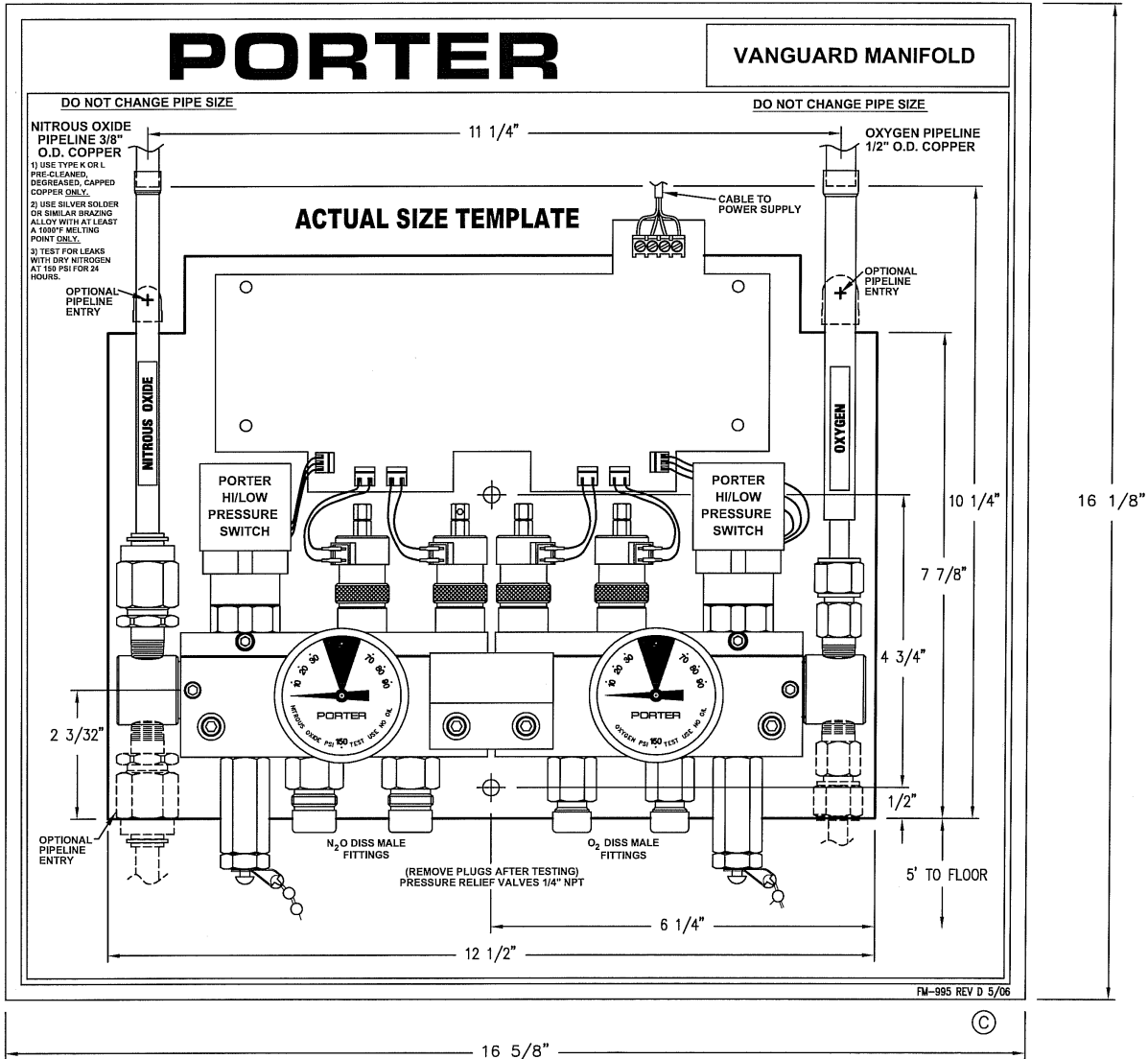
Power Requirements: 110Vac

Manifold Features:

• Preset operating regulators for easy switch over

• CGA gas specified inlets and outlets with O-ring seal back up and integral check valves

• High/Low pressure switches preset 20% above and below normal operating pressures

• Manifold complies with NFPA-99C

• Visual indicator of current supply tank

• Automatic changeover to reserve tank with memory of tank usage and empty tank indicator

• Failsafe protection (loss of oxygen supply pressure will shut down Nitrous Oxide supply)

• **Cross + Protection** diameter indexed tubing connections

•Swivel, copper tubing connections to allow easy connection of piping in the up or down configuration

• Pressure relief valves downstream of check valves pre-set at 50% of normal operating pressure

• Audible and visual display indicating normal or high/low system pressure condition

• Normally open electronic control valve that provides continuous gas flow with loss of electrical power.

• Manual over-ride option

Parker | **Porter**

ENGINEERING YOUR SUCCESS.

Dimensions

DRAWING 1

Wall Mount Model 4222CXB

75' LG. KA18028-020
UNTERMINATED CABLE
MUST BE CUT TO
LENGTH REQUIRED
& ATTACHED AT BOTH ENDS

5700-EZ
MODULAR CABLE ASSEMBLY
2' LG. RJ45 CABLE
PRE-ATTACHED TO
TERMINAL BLOCK

6251A
WALL ALARM

C-1648-000
POWER SIGNAL
JUNCTION BOX

1 RED
2 GREEN
3 WHITE
4 BLACK

PORTER

AC OUTLET
SUPPLIED BY ELECTRICIAN
(INSTALL ABOVE MANIFOLD
WITHIN 8' OF POWER SUPPLY)

8' LG. 117 VAC LINE CORD
PRE-ATTACHED TO POWER
SIGNAL JUNCTION BOX

3' LG. KA18028-000 4 COND. CABLE
W/FERRITE CORE & MATING CONNECTOR
FOR MANIFOLD, PREATTACHED TO
POWER SIGNAL JUNCTION BOX

4222 AUTOMATIC
CHANGEOVER MANIFOLD

13

DRAWING 3

AC OUTLET
SUPPLIED BY ELECTRICIAN
(INSTALL ABOVE MANIFOLD
WITHIN 8' OF POWER SUPPLY)

8' LG. 125 VAC LINE CORD
PRE-ATTACHED TO POWER
SIGNAL JUNCTION BOX

TANK ROOM
INSTRUCTIONS

3/8" O.D. COPPER TUBING (NITROUS OXIDE)
1/2" O.D. COPPER TUBING (OXYGEN)

C-1648-000
POWER SIGNAL
JUNCTION BOX

4222 AUTOMATIC
CHANGEOVER
MANIFOLD

75' LG. KA18028-020 UNTERMINATED
CABLE MUST BE CUT TO LENGTH
REQUIRED & ATTACHED AT BOTH ENDS

5700-EZ MODULAR CABLE ASSEMBLY
2' LG. RJ45 CABLE PRE-ATTACHED
TO TERMINAL BLOCK

6251A
WALL ALARM

5 FT.

FOR TANK ROOM &
MANIFOLD INSTALLATIONS
SPECIFICATIONS
REFERENCE NFPA 99 FIRE
PROTECTION CODE (Page 1)

TYPICAL TANK ROOM LAYOUT

WALL and DESK SENTINEL WIRING ILLUSTRATION

AC OUTLET
SUPPLIED BY ELECTRICIAN
(INSTALL ABOVE MANIFOLD
WITHIN 8' OF POWER SUPPLY)

8' LG. 125 VAC LINE CORD
PRE-ATTACHED TO POWER
SIGNAL JUNCTION BOX

TANK ROOM
INSTRUCTIONS

3/8" O.D. COPPER TUBING (NITROUS OXIDE)
1/2" O.D. COPPER TUBING (OXYGEN)

C-1648-000
POWER SIGNAL
JUNCTION BOX

4222 AUTOMATIC
CHANGEOVER
MANIFOLD

75' LG. KA18028-020 UNTERMINATED
CABLE MUST BE CUT TO LENGTH
REQUIRED & ATTACHED AT BOTH ENDS

A-2522-000 SIGNAL
INTERCONNECT ASSEMBLY

5700-10 10 ft MODULAR
CONNECTOR CABLE

6201A
DESK ALARM

5 FT.

FOR TANK ROOM &
MANIFOLD INSTALLATIONS
SPECIFICATIONS
REFERENCE NFPA 99 FIRE
PROTECTION CODE (Page 1)

15

OTHER ACCESSORIES
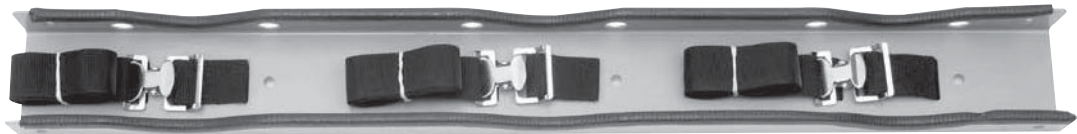
BRACKETS

Wall Mounted Cylinder Brackets

All steel constructed brackets and racks share many high quality construction features. 11-gauge hot rolled steel form the foundation, edges are protected with steel reinforced vinyl edging, guarding maintaining cylinders and providing extra grip; Steel parts are sealed with epoxy -powdered paint to assure long service life and chemical resistance. Straps and cinch-style buckles are chosen as primary means of support because they enable the cylinders to be held tight and secure against the brackets. Support straps are 1 1/2" wide by 54" long polypropylene with steel cinch buckle and rate a robust 1200 PSIG strength. Supports hold cylinders from 4" to 12" diameter.
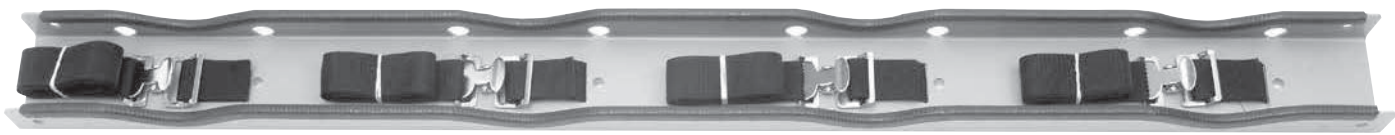
ORDERING INFORMATION

PART NO.	MODEL NO.	SIZE	WEIGHT
4302656	G200	24"x2"x4"	8 lb.
4302659	G300	4.25"x36"x2.25"	11 lb.
4302662	G401	4.25"x48"x2.25"	14 lb.

G 200 Double Cylinder Wall Bracket
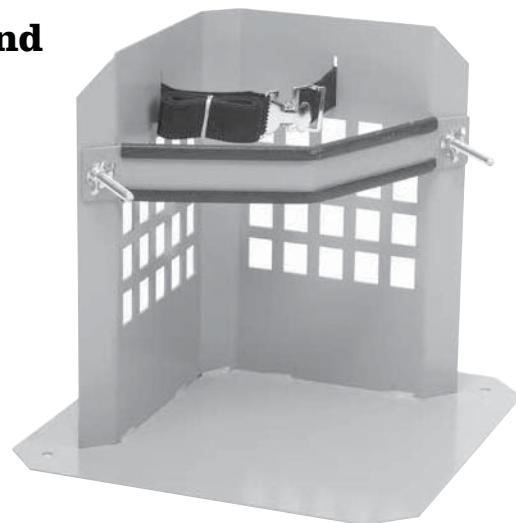

G 300 Triple Cylinder Wall Bracket

G 401 Four Cylinder Wall Bracket

STANDS

Model G 181 Single Cylinder Floor Stand

The G 181 safely supports cylinders 4" through 10" in diameter using a cinch buckle, polypropylene strap, 10-gauge steel bar and steel-reinforced vinyl edge guards, similar to our cylinder brackets. This stand is designed and built for the safe storage of industrial and commercial use gas cylinders. It's all welded steel construction is covered with epoxy-powdered paint enhancing its structural integrity, providing for long service life, while safety protecting the cylinders inside.

ORDERING INFORMATION

PART NO.	SIZE	WEIGHT
4302655	16"x16"x15"	21 lb.

1.800.241.0804   **THE HARRIS PRODUCTS GROUP**
www.harrisproductsgroup.com

HARRIS
A LINCOLN ELECTRIC COMPANY

E183 2/2

Airgas®

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Find A Branch   Customer Service   SDS Search   Careers

INDUSTRIES   SERVICES   RESOURCES   PRODUCTS

ITEMS IN YOUR CART ()

Your cart is empty.

Home / HCL4302656

Hover cursor over image to view larger picture

Harris® G200 24" 11 Gauge Hot Rolled Steel Wall Mounted Cylinder Bracket

Airgas Part #: HCL4302656
Harris Calorific
Manufacturer #: 4302656
Log in to get your price

$72.31 /Each

Qty   [1]

Package Size: 1 Each
$72.31 Each

$72.31 / Each

Typically in Stock

ADD TO CART

Item Details

Harris® G200 Double Cylinder Wall Mounted Bracket is made of 11 ga hot rolled steel and has steel reinforced vinyl edge guarding to maintain cylinder and provide extra grip. Bracket steel part is coated with epoxy powder paint for durability and chemical resistance. It measures 24" X 2" X 4" and has strap and clinch style buckets to enable cylinders to be held tight and secure against brackets. It supports 1 1/2" X 54" polypropylene with clinch buckle at the rate of 1200 psig pressure.

Features

- All steel construction brackets and racks share many quality construction features
- 11 gauge hot rolled steel form the foundation
- Edges are protected with steel reinforced vinyl edge guarding to help maintain your cylinders and provide extra grip
- Steel parts are sealed with epoxy powder paint to assure long service life and chemical resistance
- Straps and cinch style buckles are chosen as primary means of support as they enable the cylinders to be held tight and secure against the brackets
- Support straps are 1-1/2" wide by 54" long polypropylene with steel cinch buckle and rate a robust 1200 psig strength
- Supports hold cylinders from 4" to 12" diameter

Aeras
Ramvac

Aeras® by Ramvac® knows
before you do.

AERAS®: MISSION CRITICAL

Your utility room is the heart of your practice. It has to work. It should never disrupt or distract you from improving the lives of your patients.

Having mission-critical data about the health of your compressor or vacuum is essential to your operations.

After all, patients are depending on you.

Aeras Compressor

KNOW BEFORE AT NO CHARGE!

No matter the time, day or night, Aeras by Ramvac gives you the confidence and convenience of knowing if there is preventative maintenance required with your utility equipment. Now, you can mitigate a crisis and work ahead to prevent the inevitable breakdown.

Aeras Vacuum

WHAT'S THAT MEAN FOR YOU?

Powered by an easy-to-use and intuitive dashboard, you will know about potential utility preventative maintenance – anytime, anywere, so you can be prepared for anything.

With Aeras, you will have one less thing to worry about.

BENEFITS THAT KEEP YOU AHEAD:

EASY SETUP: no wires to install, wifi to connect or apps to download. Equipment connects automatically through cellular and information is accessed through any web browser.

AUTOMATED SCHEDULING: automate daily activation and shutoff. Simply set it and forget it. When treatments run late, the equipment will sense activity and maintain power until the dentist is done.

COMPREHENSIVE DASHBOARD: get a bird's-eye view of a practice's entire back-office operation, including detailed technical outputs, configuration options and service records.
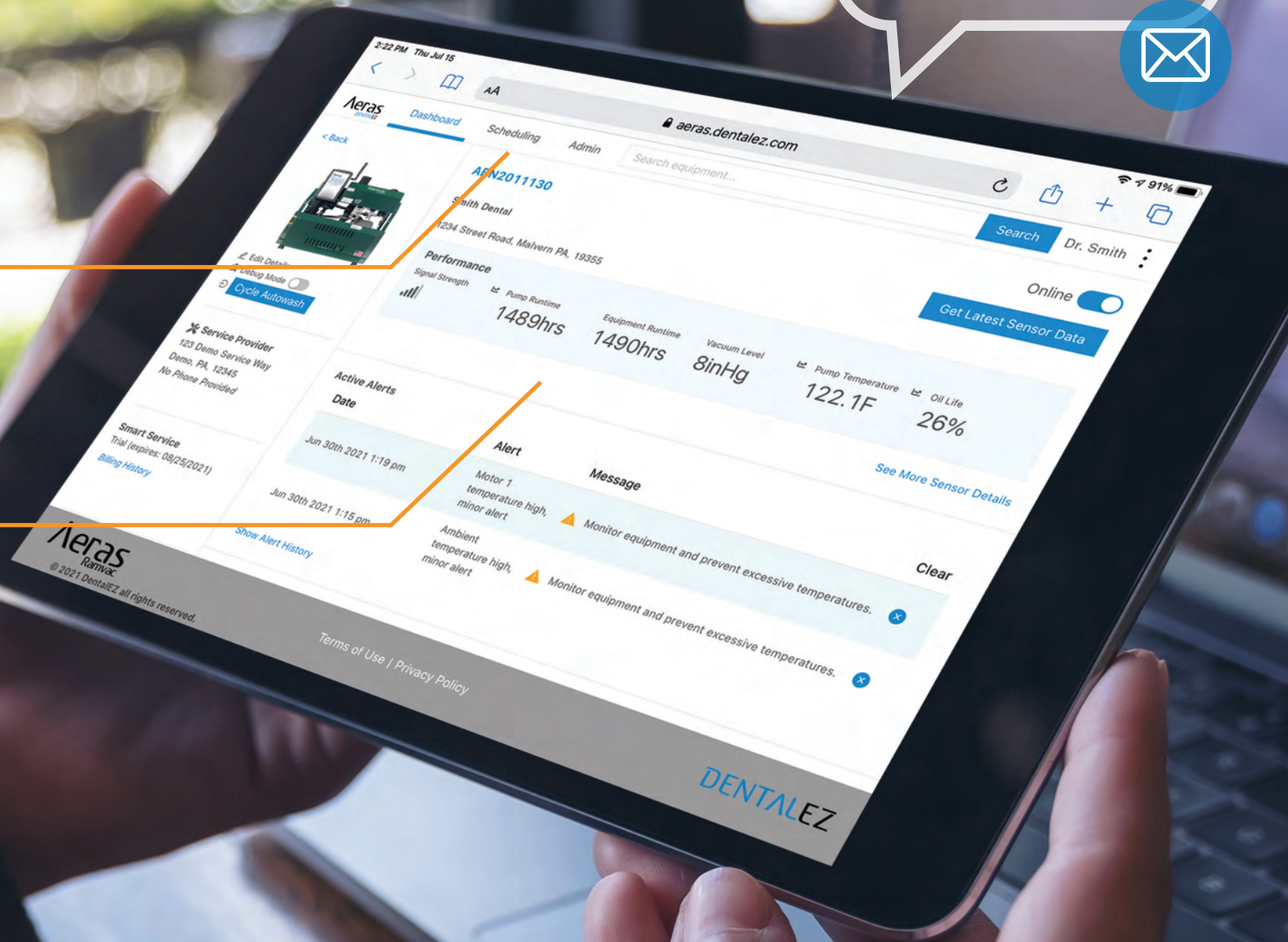
NOTIFICATIONS: you will get alerts and maintenance notifications so you can stay ahead of potential problems.

WARRANTY: we give you more than what you pay for – delivering durability and the industry's longest warranty period, covering all parts up to 6 years.
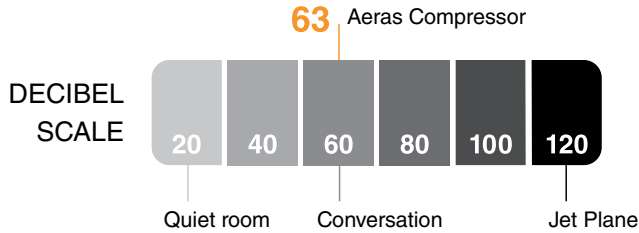
Aeras Compressor

Your office's most expensive instrumentation is powered by air from a compressor, including chairs, handpieces, and the milling station you may be investing in. The health of your patients depends on this air as well.

OUR QUIETEST COMPRESSOR
No need for bulky sound covers, our integrated Sound Sheild provides a sound level that is **quiet as a conversation**.

63 Aeras Compressor

DECIBEL SCALE

| 20 | 40 | 60 | 80 | 100 | 120 |

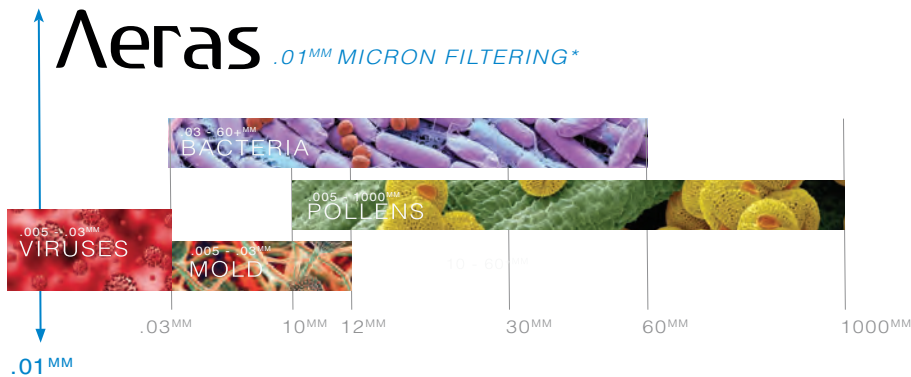Quiet room   Conversation   Jet Plane

DRY, CLEAN AIR
The dual-desiccant setup shown in figure 2 produces an uninterrupted supply of clean air to power the practice. Air is stored at a **pressure dew point of -40 C, preventing harmful bacteria growth**, and particulates in the air are **filtered to 0.01 microns, trapping most airborne bacteria and microbes**, see chart below.

EFFICIENCY & DURABILITY
The unique rocking-piston design **doubles the life of compression rings compared to standard piston**. The **improved 100% duty cycle design allows for continuous, consistent airflow** even when the practice is operating at full capacity.

FLEXIBLE DUAL-PRESSURE SETTINGS
A pressure toggle switch lets you easily switch between standard (85-115 PSI) and high-pressure (105-125 PSI), so **you can add a milling machine without having to upgrade equipment**.

Λeras .01ᴹᴹ MICRON FILTERING*

BACTERIA
POLLENS
VIRUSES
MOLD

.03ᴹᴹ   10ᴹᴹ 12ᴹᴹ   30ᴹᴹ   60ᴹᴹ   1000ᴹᴹ

.01ᴹᴹ

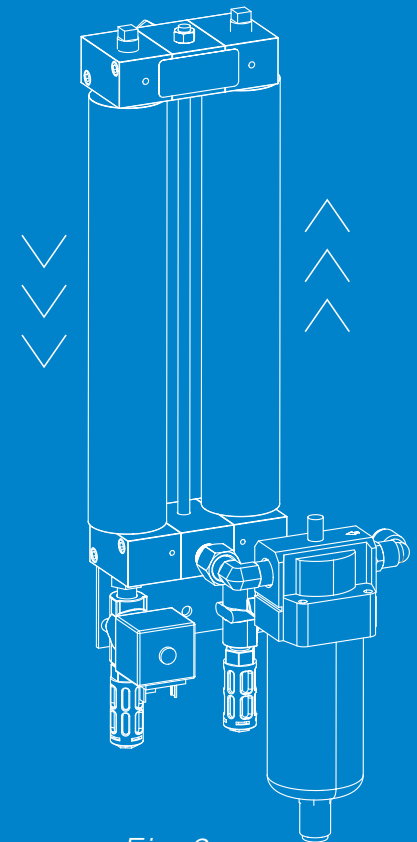Source: https://www.engineeringtoolbox.com/particle-sizes-d_934.html

Fig.2. Dual-Desiccant Dryer Technology

Fig.2

Compressor Specifications

NOMENCLATURE KEY

Series Name		Max Number of Users		Max Input Power
C = Ramvac® Compressor	3 = up to 3 users	8 = up to 8 users	12 = 115 / 230 volts	
SS = Sound Shield	5 = up to 5 users	12 = up to 12 users	2 = 230 volts	
	6 = up to 6 users	18 = up to 18 users		

ELECTRICAL REQUIREMENTS

Item No.	Description	Voltage	Amps	Breaker Size	Total HP
C3-12	Aeras 3 Compressor	115v / 230v	12 / 6.1	15 amp	1.0
C3-12SS	Aeras 3 Compressor	115v / 230v	12 / 6.1	15 amp	1.0
C5-12	Aeras 5 Compressor	115v / 230v	17.6 / 9	20 amp	1.5
C5-12SS	Aeras 5 Compressor	115v / 230v	17.6 / 9	20 amp	1.5
C6-2	Aeras 6 Compressor	230v	16.3	20 amp	3.25
C8-2	Aeras 8 Compressor	230v	16	20 amp	4
C12-2	Aeras 12 Compressor	230v	21	30 amp	4
C18-2	Aeras 18 Compressor	230v	30.5	40 amp	6

WEIGHT AND DIMENSIONS

Item No.	Description	Weight (lbs)	Dimensions W x D x H (in)	Dimensions w/Sound Cover	Tank Size (Gallon)
C3-12	Aeras 3 Compressor	136	30" x 21" x 26"	NA	12
C3-12SS	Aeras 3 Compressor	136	NA	30" x 20" x 26"	12
C5-12	Aeras 5 Compressor	149	30" x 21" x 26"	NA	12
C5-12SS	Aeras 5 Compressor	149	NA	30" x 20" x 26"	12
C6-2	Aeras 6 Compressor	234	35" x 25" x 30"	35" x 29" x 34"	20
C8-2	Aeras 8 Compressor	230	35" x 25" x 30"	35" x 29" x 34"	20
C12-2	Aeras 12 Compressor	230	35" x 25" x 30"	35" x 29" x 34"	20
C18-2	Aeras 18 Compressor	335	41" x 29" x 32"	41.1" x 33" x 36"	30

SIZING GUIDE

Item No.	Description	No. of Users	No. of Heads	Sound Covers
C3-12	Aeras 3 Compressor	3	2	NA
C3-12SS	Aeras 3 Compressor	3	2	Included
C5-12	Aeras 5 Compressor	5	3	NA
C5-12SS	Aeras 5 Compressor	5	3	Included
C6-2	Aeras 6 Compressor	6	2	8543-023
C8-2	Aeras 8 Compressor	8	2	8543-023
C12-2	Aeras 12 Compressor	12	2	8543-023
C18-2	Aeras 18 Compressor	18	3	8543-024

MODEL NO.   DESCRIPTION

Model No.	Description
8801-080	Filter Maintenance Kit- 3 to 5 users
8801-079	Filter Maintenance Kit- 3 to 5 users w/ Sound Shield
8801-087	Filter Maintenance Kit- 6 to 18 users
8658-009	Fresh Air Intake Kit for C3-12
8658-010	Fresh Air Intake Kit for C4-12
8658-012	Fresh Air Intake Kit, C6 through C12
8658-013	Fresh Air Intake Kit, C18
004108SP	Service Part, Dryer HR2 for C4-1 (OSP13), C4-2 (OSP23), C3-2 (OSP22), C3-12 & C4-12
004020SP	Service Part, Dryer HR4 for C6-2 (OSP24) & C7-2 (OSP25)
005413SP	Service Part, Dryer HR4L for C11-2 (OSP28)

Notes: Pressure is 85-115 PSI. High-Pressure Mode is 105-125 PSI. Pump Up Cycle Time, 85 to 115 PSI (Sec) is 40-60

Milling Machine Guidelines

COMPANY	MODEL	AERAS MODEL
3M	LAVA CNC 240	Aeras 8
Amann Girrback	Ceramill Matik Ceramill Mikro Motion 2 Agrotherm	Aeras 5 Aeras 5 Aeras 8 Aeras 8
Imes-icore	CORiTEC One and One+ CORiTEC 140i now 150i CORiTEC 250i CORiTEC 350i CORiTEC 650i	Aeras 5 Aeras 5 Aeras 6 Aeras 8 Aeras 12
Jensen	Preciso M200	Aeras 8
Novux NX	Mill4 & 5	Aeras 5
Roland	DGA DWX-42W MWX-52D now DWX-52D MDX-52DCi now DWX-52DCi	Aeras 5 Aeras 5 Aeras 5
ShuetzDental	Tizian Cut 4 & 5.2 plus	Aeras 6
Dentsply Sirona	CEREC MCXL, Inlab MCX5 Inlab MCXL	Aeras 8
VHF	N4+ K4 S5 R5 K5+	Aeras 5 Aeras 5 Aeras 6 Aeras 8 Aeras 8
Wieland	Zenotec select hybrid select ion, select mini	Aeras 8
Zirkonzahn	M1, M2, M3, M4, M5, M6	Aeras 8

LEARN MORE

For more information visit DENTALEZ.COM
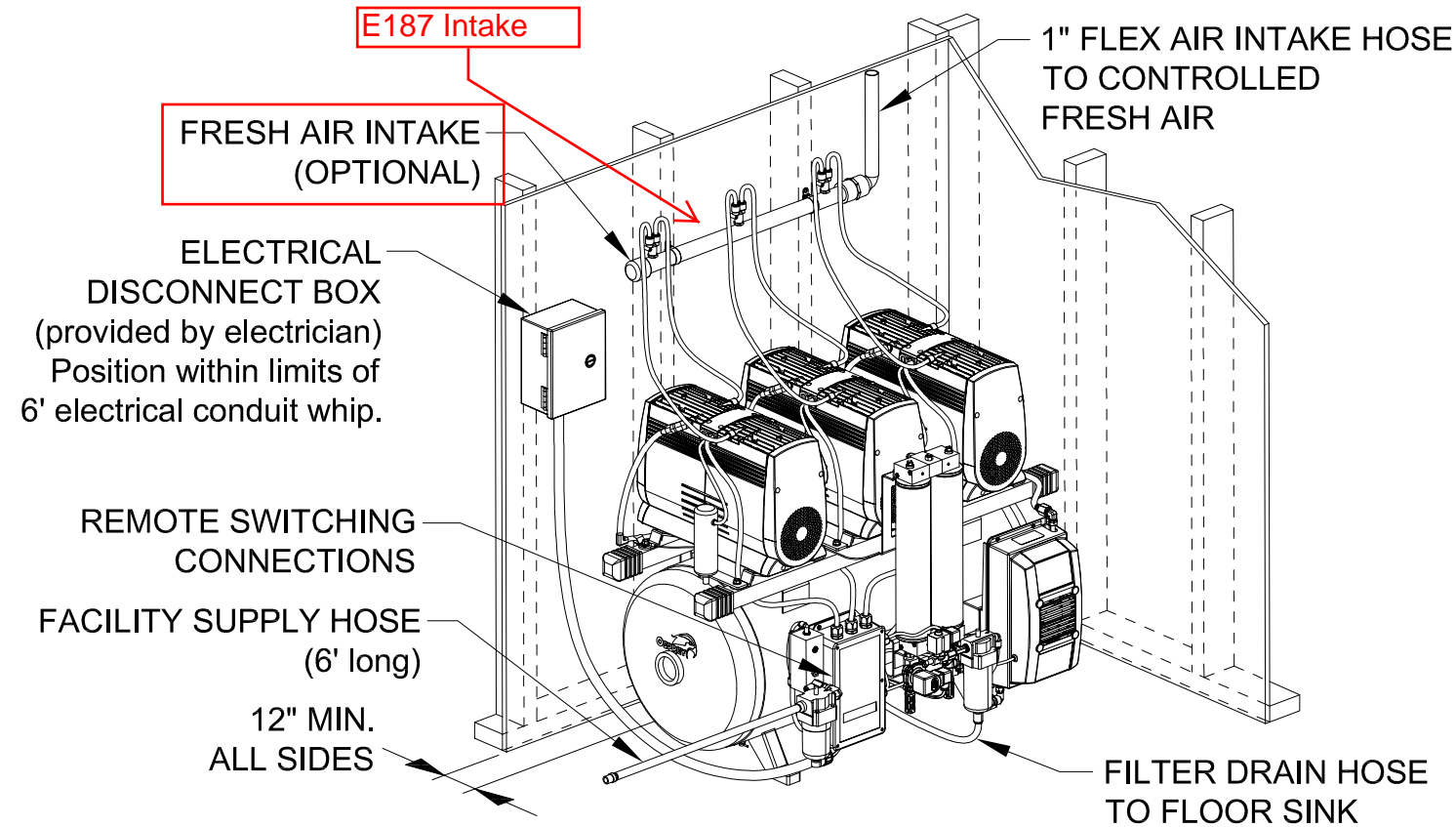
OSPREY SITE INFORMATION

PLACEMENT

- Indoor use only, in a dust free room.
- Ventilation required for room to remain between 32° to 100°F (0° to 37.7°C). Forced air & HVAC must be used, in addition, if ambient temperatures do no fall into this range
- Do not install on surfaces with more than a 5° incline.

ELECTRICAL

- It is recommended that this equipment be installed by a licensed electrical contractor only and must comply with local and national electrical codes.
- Install a dedicated elecrical circuit of sufficient capacity (See Specification table).
- Any means provided to isolate this device from the supply mains shall isolate all poles simultaneously. The disconnection means and overcurrent protection are to be provided by the installer. This device should always be attached to a dedicated circuit with appropriate wiring and circuit protection.

PLUMBING

- It is recommended that this equipment be installed by a licensed plumbing contractor only and must comply with local and national plumbing codes.
- Connect Drain Hose to fitting on bottom of coalescing filter and direct it into floor drain for disposal of water.
- Connect compressor air outlet to facility plumbing with provided Supply Hose (3/8" mnpt x 3/8" mnpt x 6 ft long).
- Connect Fresh Air Manifold to controlled fresh air source.
- Connect only equipment suitable for listed maximum pressure of the compressor.

E187 Intake

FRESH AIR INTAKE (OPTIONAL)

1" FLEX AIR INTAKE HOSE TO CONTROLLED FRESH AIR

ELECTRICAL DISCONNECT BOX (provided by electrician) Position within limits of 6' electrical conduit whip.

REMOTE SWITCHING CONNECTIONS

FACILITY SUPPLY HOSE (6' long)

12" MIN. ALL SIDES

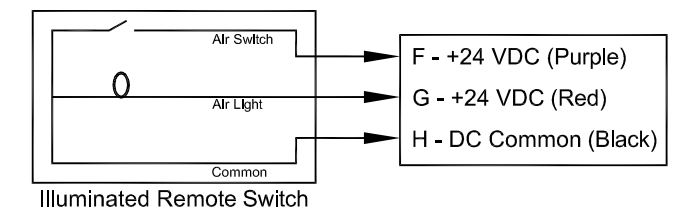FILTER DRAIN HOSE TO FLOOR SINK

REMOTE SWITCHING

- Maximum wire length for low voltage 18 gauge wire is 500 feet.
- OWL to C2 connection must be made with Cat 6 shielded cable using RJ45 connectors (up to 300 feet).

Recommended Switching

Alternative Switching

Illuminated Remote Switch

F - +24 VDC (Purple)
G - +24 VDC (Red)
H - DC Common (Black)
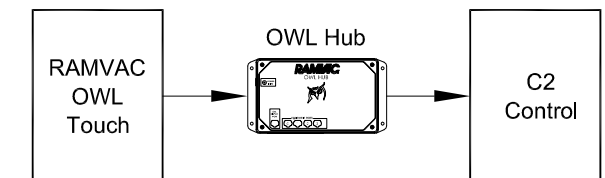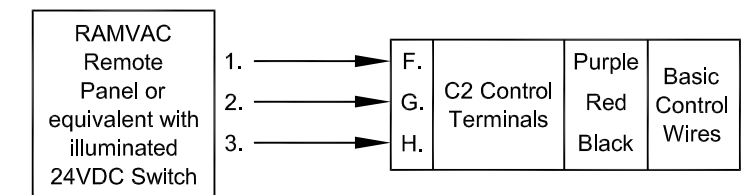
THIS SHEET IS NOT INTENDED TO REPLACE THE INFORMATION FOUND IN THE INSTALLATION MANUALS. REFERENCE MANUALS FOR FULL INSTALLATION, SAFETY AND PRECAUTIONS.

RAMVAC® Utility

DentalEZ INTEGRATED SOLUTIONS

7565-003A
JANUARY, 2016

SPECIFICATIONS						
MODEL	OSP22B/ OSP22S	OSP13B/ OSP13S	OSP23B/ OSP23S	OSP24B/ OSP24S	OSP25B/ OSP25S	OSP28B/ OSP28S
MAX USERS	2-3	3-4	3-4	4-6	5-7	8-11
MOTOR PER UNIT	1	2	2	2	2	3
HP PER MOTOR	2	1.25	1.25	LEFT 1.25 RIGHT 2	2	2
VOLTAGE	230V (208-253)	115V (103-126)	230V (208-253)	230V (208-253)	230V (208-253)	230V (208-253)
BREAKER SIZE (recommended)	20 amp	30 amp	20 amp	20 amp	30 amp	40 amp
FUSETRON SIZE (recommended)	FRN 15	FRN 25	FRN 15	FRN 20	FRN 25	FRN 40
UNIT POWER CONSUMPTION	10.5 amps	23 amps	11.5 amps	16.3 amps	21 amps	32 amps
UNIT DIMENSIONS (W x D x H)	29" x 21" x 29"	29" x 21" x 29"	29" x 21" x 29"	35" x 25" x 30"	35" x 25" x 30"	41" x 29" x 32"
WEIGHT	160 lbs	190 lbs	190 lbs	250 lbs	260 lbs	385 lbs
TANK SIZE	12 gallon	12 gallon	12 gallon	20 gallon	20 gallon	30 gallon
dBA LEVELS (with/without Sound Cover)	65/73	70/78	70/78	72/80	76/82	78/84
CFM @ 80 PSI	6.0	6.6	6.6	9.3	12.0	18.1
BTU/HR (heat released to room)	1762	1963	1963	2343	2815	4522
OPERATING PRESSURES	586 kpa/85 psi to 793 kpa/115 psi with ±2% Total Error Band					

Λeras
Ramvac

Aeras® by Ramvac® knows
before you do.

AERAS®: MISSION CRITICAL

Your utility room is the heart of your practice. It has to work. It should never disrupt or distract you from improving the lives of your patients.

Having mission-critical data about the health of your compressor or vacuum is essential to your operations.

After all, patients are depending on you.

Aeras Compressor

KNOW BEFORE AT NO CHARGE!

No matter the time, day or night, Aeras by Ramvac gives you the confidence and convenience of knowing if there is preventative maintenance required with your utility equipment. Now, you can mitigate a crisis and work ahead to prevent the inevitable breakdown.

Aeras Vacuum

WHAT'S THAT MEAN FOR YOU?

Powered by an easy-to-use and intuitive dashboard, you will know about potential utility preventative maintenance – anytime, anywere, so you can be prepared for anything.

With Aeras, you will have one less thing to worry about.

BENEFITS THAT KEEP YOU AHEAD:

EASY SETUP: no wires to install, wifi to connect or apps to download. Equipment connects automatically through cellular and information is accessed through any web browser.

AUTOMATED SCHEDULING: automate daily activation and shutoff. Simply set it and forget it. When treatments run late, the equipment will sense activity and maintain power until the dentist is done.

COMPREHENSIVE DASHBOARD: get a bird's-eye view of a practice's entire back-office operation, including detailed technical outputs, configuration options and service records.

NOTIFICATIONS: you will get alerts and maintenance notifications so you can stay ahead of potential problems.

WARRANTY: we give you more than what you pay for – delivering durability and the industry's longest warranty period, covering all parts up to 6 years.