



ORTHO MED SPA
HEALTH TODAY. A BETTER TOMORROW.

**PEOPLE.
SOLUTIONS.
BETTER CARE.**



EQUIP | SUPPORT | EMPOWER

BROCHURE

MEDICAL EQUIPMENT | SUPPLIES | SOLUTIONS

ORTHO MED SPA

SUPPORTING HEALTHIER TOMORROWS

With a commitment to quality, compliance, and performance – we stand ready to meet the evolving needs of healthcare partners nationwide.



Why Choose Us?

At Ortho Med Spa we provide high-quality durable medical equipment and orthotic devices to support patient rehabilitation and mobility. Along with specialized consulting designed to enhance operational readiness and patient care across healthcare environments. Every product we fit or supply is chosen for its quality, durability, and ability to meet the specific medical needs of each patient.



Our Partnerships

Medtronic



ZOLL

Dräger

Steris

& many MORE!

Get In Touch



516-699-3030



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EXT 9: Speak directly to a representative.



Assistance Hours:

MON-FRI 9:00am – 5:00pm (EST)



LOCATION

729 ELMONT RD, ELMONT, NY 11003

*Partnering
for a Healthier
Tomorrow*

VA, HOSPITAL & CLINIC MEDICAL BROCHURE

Clinical Supplies • Capital Equipment • Specialty Systems • Healthcare Solutions

A curated Ortho Med Spa product brochure combining manufacturer literature, product specifications, clinical equipment resources, and supplier brochures. Products are subject to availability, applicable manufacturer requirements, and final quotation.

ORTHO MED SPA

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BROCHURE CONTENTS

01 Emergency, AED & Resuscitation

AED 3 BLS Spec Sheet - US Hospital Vs. - Sep 2018
spec-sheet-panda-warmer-ResusView-DOC2385531-rev2 Oct25
APRU6L-Spec-EMS-2024 04262024

02 Diagnostics, Monitoring & Cardiovascular

770 Spec Sheet DIGITAL v1.2
V400 Spec Sheet
VenaFlow Elite Brochure
380 Spec Sheet DIGITAL v1.4
VenaFlow Elite Product Overview-PPT (pdf)
VenaFlow Elite S-Mode Inservice Guide
blood-pressure-cuffs-for-adult-patients-pi-9066377-en-gb
monitoring-accessories-br-9069967-en-us-2010-5
temporary-external-pacemaker-5392-compatibility-components

03 Rehabilitation, Mobility & Patient Support

FamilyBrochure-20241218
MAX Brochure Rev B
Streamline Brochure Rev B
Accessory Brochure
RazBari-Brochure-20250408
Slimline Brochure Digital

04 Sterilization, Infection Prevention & Processing

Autoclave brochure (20260827-120318)
TEEClean Brochure CS Medical
TM-Units-and-Associated-Drapes-Sell-Sheet
TEEClean+Neutralization Specs CS Medical

05 Surgical, Procedure & Clinical Equipment

216260
Amvex Suction Regulator Brochure
HV3PHYPE25 Sales SellSheet HV3Pro 01
kerr-elements-ic-brochure-eng
surgical-energy-or-essentials-interactive-brochure

06 Medical Carts, Storage & Workstations

Ergonomic-WorkStation-Sell-Sheet
One-Sheet-ISOLATION-CARTS
Owners-Manual-Unicart-2023
Pre-Mounted-Accessories-Program
SL28BIN5-EKC H6
VLT18BIN3 H6
WL-Steel-VS.-Aluminum-Carts-Flyer-Final
Waterloo-Aluminum-Carts-Key-Features
Workstation-Tables-4-Page-Brochure-UPDATE

07 Laboratory, Pathology & Specialty Systems

Microtome Brochure(20260827-120131)
CLS-GL-064
Labconco logic BSC A2 B2
PMT Scientific -Digital Autopsy Table Brochure

08 Respiratory, Safety & Facility Equipment

PortaCount Model 8048 specs sheet

09 Additional Manufacturer Literature

4. F7C-2-3 TM Flow Hardware drawings and specifications
C26115PAT460-A

FIRST AID & EMERGENCY RESPONSE

OrthoMed SPA

First Aid Kits • Trauma Kits • Bleeding Control
• Burn Care • Eye Wash • CPR • Emergency
Blankets • Cabinets & Refills

School First Aid & Emergency Readiness

This section adds the first-aid and emergency-response categories that are especially relevant to K-12 schools, school nurses, athletic departments, transportation teams, administrative offices and campus safety programs. The selections below are based on official manufacturer/distributor literature from Medline and ZOLL and are presented as representative products that Ortho Med Spa can source and quote.

Important: Manufacturer availability, item numbers, packaging and specifications are subject to confirmation at time of quotation. Official supplier literature links are included throughout this section.

1. First Aid Kits

General-purpose kits support nurse offices, classrooms, administrative areas, buses, athletics and other campus locations. Medline's general kit is OSHA-aligned and designed for up to 25 patients.

Item / Product	Description / Key Contents	Pack
NONFAK200	General First Aid Kit - 106 pieces; includes eye wash, antiseptic wipes, tweezers, sting relief, antibiotic ointment, aspirin, instant cold compress, exam gloves, assorted bandages, trauma pad, gauze, eye pad, tape, triangular sling/bandage, scissors and first-aid guide.	1 ea

Official supplier literature: [Medline - General First Aid Kit brochure](#)

2. Trauma Kits

For high-risk campus locations, athletics, security and emergency-preparedness programs, a more advanced trauma kit can extend capability beyond routine first aid.

Item / Product	Description / Key Contents	Pack
ZOLL Mobilize Comprehensive	Portable trauma and emergency medical response kit with a built-in tablet and interactive rescue app; designed for severe bleeding, airway events, traumatic injuries, allergic reactions, fractures and other emergencies.	1 system
Trauma supplies	SOF-T Wide tourniquets, QuikClot dressings, emergency trauma dressings, chest seals, burn dressings, gauze, ABD pads, splint, elastic wraps, cold compress and trauma shears.	Included
Medical / first-aid supplies	CPR face shield, aspirin, allergy tablets, glucose, Mylar blankets, nitrile gloves, eye pads, bandages, burn cream, antibiotic ointment, antiseptic wipes, eyewash and first-aid guide.	Included

Official supplier literature: [ZOLL - Mobilize Comprehensive trauma kit sell sheet](#)

Official supplier literature: [ZOLL - Mobilize school emergency brochure](#)

3. Bleeding Control

Bleeding-control capability is important for campus emergency readiness because severe blood loss can become life-threatening before EMS arrival.

Item / Product	Description / Key Contents	Pack
NONFAK400	Medline Bleeding Control Kit - 15 pieces. Includes windlass tourniquet, backup elastic tourniquet, non-vented chest seals, rescue/shock blanket, bandage shears, nitrile gloves, hemostatic gauze, Hema-Seal trauma dressing, trauma pads, marker and instructions.	1 ea
ZOLL Public Access / Mobilize	STOP THE BLEED-oriented supplies including SOF-T tourniquets, QuikClot bleeding-control dressings, emergency trauma dressings and chest seals.	Varies

Official supplier literature: [Medline - General First Aid & Bleeding Control brochure](#)

Official supplier literature: [ZOLL - Mobilize Public Access trauma kit](#)

4. Burn Care

Burn-care products are useful in science labs, cafeterias, maintenance areas, vocational programs, transportation operations and general first-aid locations.

Item / Product	Description / Key Contents	Pack
Water-Jel Burn Kits	Soft-sided emergency kits and hard-case food-service / industrial configurations.	Kit
Water-Jel Burn Gel	Topical cooling gel products for initial burn care.	Varies
Water-Jel Sterile Burn Dressings	Gel-soaked medical-grade nonwoven burn dressings in multiple sizes.	Varies
Water-Jel Burn Blankets	Gel-soaked burn blankets for larger burn coverage.	Varies
MedSource Burn Sheet	60 x 90 in sterile burn sheet for burn protection.	50/cs

Official supplier literature: [Medline EMS catalog - Burn Kits, Burn Gel, Burn Dressings & Burn Blankets](#)

5. Eye Wash & Eye Emergency Supplies

Eye-wash products can support science labs, maintenance/operations, custodial areas, vocational spaces and school health offices where rapid access to eye irrigation may be needed.

Item / Product	Description / Key Contents	Pack
FAO24101001	Eye Wash Refill, 16-oz bottle.	12/cs
FAO24000001	Eye Wash Station, one 16-oz bottle.	6/cs
FAO24102001	Eye Wash Station, two 16-oz bottles.	6/cs
FAO7006	Eye Wash, 4-oz bottle, screw top.	48/cs
FAO24300001	Eye Wash Station, two 32-oz bottles.	6/cs

Official supplier literature: [Medline Environmental catalog - Eye/Face Wash Stations](#)

6. CPR & Resuscitation Supplies

CPR masks, face shields and resuscitation accessories are appropriate for nurse offices, AED stations, athletics, campus security and emergency-response kits.

Item / Product	Description / Key Contents	Pack
HCS64185	Mouth-to-mask resuscitator with one-way valve and hard carrying case.	12/cs
CPRMASK13R	Resuscitation mask - child, Size 3.	40/cs
CPRMASK14R	Resuscitation mask - small adult, Size 4.	40/cs
CPRMASK15R	Resuscitation mask - medium adult, Size 5.	20/cs
CPRMASK16R	Resuscitation mask - large adult, Size 6.	20/cs
CPR Face Shield	Compact barrier included in selected first-aid and trauma systems.	Varies

Official supplier literature: [Medline Respiratory catalog - Resuscitation Masks & Accessories](#)

7. Emergency Blankets & Hypothermia Support

Compact emergency blankets can support outdoor athletics, evacuation areas, buses, emergency kits and campus shelter-in-place planning.

Item / Product	Description / Key Contents	Pack
MDS010601	Mylar foil emergency blanket; aluminized polyester, windproof and waterproof; approximately 56 x 80 in.	1/ea
CPEMSB100	Mylar emergency blanket, MedSource.	200/cs
ZOLL Mobilize	Emergency space Mylar blankets included in comprehensive trauma systems.	Included

Official supplier literature: [Medline EMS catalog - Mylar Emergency Blankets](#)

Official supplier literature: [ZOLL - Mobilize Comprehensive trauma kit](#)

8. First Aid Cabinets, Refills & Restocking

Wall-mounted cabinets and structured refill programs help schools maintain multiple first-aid points across campuses while simplifying inspection and replenishment.

Item / Product	Description / Key Contents	Pack
NONFAK300	General workplace first-aid cabinet - 206 pieces, intended for up to 50-person use. Labeled compartments support inspection and restocking.	1 kit
Cabinet contents	Assorted bandages, gauze, trauma pad, antiseptic wipes, soap towelettes, first-aid/burn cream, antibiotic ointment, tape, scissors, moleskin, guide, gloves, tweezers, CPR face shield and other supplies.	Included
Refill / replenishment	Individual components can be replenished as consumed or expired; Ortho Med Spa can quote replacement stock by cabinet or by item.	As needed

Official supplier literature: [Medline EMS catalog - General Workplace Cabinet](#)

12 | HOW GOVERNMENT BUYERS CAN WORK WITH US

1. Send the Requirement	Provide the solicitation, RFQ, salient characteristics, brand/model, quantity or clinical need.
2. Product Matching	Ortho Med Spa identifies products and manufacturer literature aligned with the requirement.
3. Compliance Review	We coordinate specifications, warranty, lead time, accessories and required documentation.
4. Quotation	Government buyers receive clear pricing with delivery terms and applicable product information.
5. Fulfillment	We coordinate order placement, shipping, destination delivery and applicable manufacturer support.
6. Post-Delivery Support	We assist with documentation, warranty coordination and manufacturer support as applicable.

Contact

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ADDITIONAL OFFICIAL PARTNER LITERATURE

Additional official manufacturer brochure resources identified during brochure development
Click a title in the PDF to open the manufacturer's current resource.

ZOLL AED 3 BLS Brochure

https://www.zoll.com/-/media/Product-Materials/Literature/Brochures/AED-3-BLS/01/AED3-BLS-brochure_MCNPP21100626.ashx?sc_lang=en

BrainsWay Deep TMS - Healthcare Provider Brochure

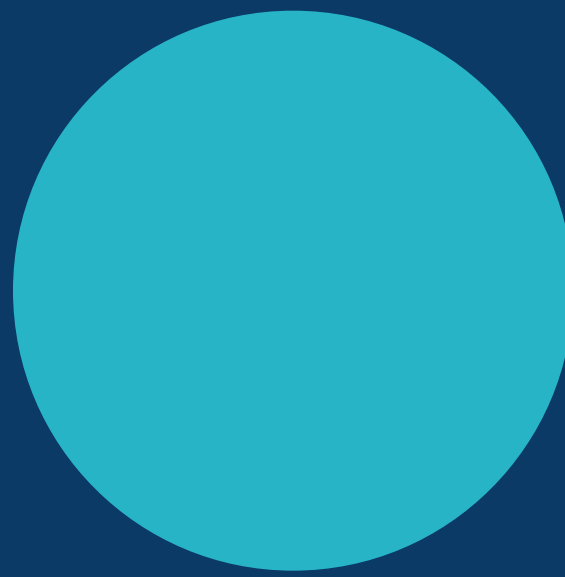
<https://www.brainsway.com/wp-content/uploads/2021/12/Main-Healthcare-Provider-Brochure-Folder-1.pdf>

Tuttnauer Medical Waste Autoclave Brochure

<https://tuttnauer.com/sites/default/files/2024-09/medical-waste-autoclave--tuttnauer--en--9-2024.pdf>

Nihon Kohden Media Center - Patient Monitoring Brochures

<https://eu.nihonkohden.com/media-center/tutorial-videos>



EMERGENCY, AED & RESUSCITATION

Manufacturer brochures, specifications, and product literature curated for VA, hospital, clinic, laboratory, and healthcare facility requirements.

ZOLL AED 3[®] BLS



Technical Specifications

High-quality CPR When and Where You Need It Most

The ZOLL AED 3[®] BLS provides enhanced Real CPR Help[®], which measures the actual depth and rate of each compression and displays it on the CPR Dashboard™. In addition to the CPR Dashboard, the ZOLL AED 3 BLS displays the patient's ECG, the remaining time for the current CPR cycle, the elapsed time since the patient had collapsed, and the number of shocks delivered. And to ensure optimal visibility, the ZOLL AED 3 BLS can be positioned flat or upright like an ALS device.

Shorten the Learning Curve

If you have an R Series in your hospital, using the ZOLL AED 3 CPR Dashboard will be seamless. The same numerical values are displayed, and the same audible feedback and metronome help you comply with the 2015 American Heart Association Guidelines of 100 to 120 compressions per minute. Whether you rescue a patient in the cafeteria, the parking garage, or near a clinical area, Real CPR Help will guide high-quality CPR, which has been linked to improved patient outcomes.

By the Numbers

The 2015 CPR Guidelines state that "Data-driven performance-focused debriefing has been shown to improve performance of resuscitation teams. We highly recommend their use for teams managing patients in cardiac arrest."¹ Using ZOLL's RescueNet[®] CaseReview, detailed rescue performance data can be exported quickly and easily via USB or transferred directly using the WiFi capability. Data on CPR rate, depth, release velocity, and chest compression fraction can easily be evaluated and used to improve future responder performance.

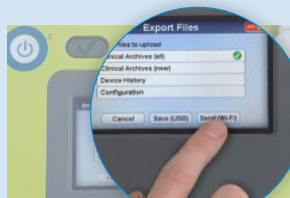
Always Code-Ready

The WiFi capabilities of the ZOLL AED 3 BLS allow the AED to report its state of readiness, including batteries and electrodes, to Defibrillator Dashboard™, ZOLL's asset management database. Biomedical engineering can determine quickly if an AED in the hospital's fleet needs attention before it is needed. The WiFi also provides automatic clock synchronization, which is critically important at the beginning and end of daylight saving time.

¹Resuscitation. 2015;95:288-301



The metrics of Real CPR Help® can be seen on the dashboard.



Data containing CPR quality can be downloaded after the event via WiFi and reviewed quickly with the code team to evaluate and identify areas of improvement.



Child button will illuminate when pediatric pad is attached.

ZOLL AED 3 BLS Specifications

Defibrillator

Protocol: Semi-automatic

Waveform: ZOLL Rectilinear Biphasic™

Defibrillator Charge Hold Time:
30 seconds

Energy Selection: Factory preprogrammed selection (Adult: 120 J, 150 J, 200 J; Child: 50 J, 70 J, 85 J). User configurable.

Patient Safety: All patient connections are electrically isolated

Charge Time: Less than 10 seconds with new battery

Pre-shock Pause: 8 seconds with new battery

Self-test: User-configurable automatic self-test every day or every 7 days. Default: Every 7 days. Monthly full-energy test (200 J).

Automatic Self-test Checks: Battery capacity, status and expiration; electrode connection and expiration; ECG and charge/discharge circuits; microprocessor hardware and software; CPR circuitry and pads sensor; audio circuitry

CPR Metronome Rate: Constant 105 (+/- 2) CPM

Depth Measurement: 1.9 cm to 10.2 cm; 0.75 in to 4 in

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 the ZOLL AED 3 Administrator's Guide.

Patient Impedance Measurement Range: 10 to 300 ohms

Defibrillator: Protected ECG circuitry

Display Format: High-resolution LCD with capacitive touch panel

Display Screen Size: 5.39 cm x 9.5 cm; 2.12 in x 3.74 in

Display Sweep Speed: 25 mm/sec

Display Viewing Speed:
3.84 seconds

Data Recording and Storage: User-configurable for 1 or 2 clinical events for total of 120 minutes. Includes ECG, impedance measurements, device prompts, and CPR data. With voice recording enabled, same data with synchronous audio added for total of 60 minutes.

Data Recovery: Controlled by touchscreen, uploaded to USB memory stick, or RescueNet CaseReview or CodeReview, over a WiFi network

Internal Clock Synchronization: Coordinated Universal Time (UTC) synchronization occurs when communicating with hospital Wi-Fi.

Device

Size: (H x W x D) 12.7 cm x 23.6 cm x 24.7 cm; 5.0 in x 9.3 in x 9.7 in

Weight: 2.5 kg; 5.5 lbs

Power: Lithium manganese dioxide battery pack

Wireless: 802.11 a/b/g/n

Security Protocols: WPA1, WPA 2, WPA Personal, WPA Enterprise

Port: USB 2.0

Audio Recording: User-configurable on/off (default=off)

Device Classification: Class III and internally powered per EN 60601-1

Design Standards: Meets applicable requirements of EN 60601-1, EN 60601-1-11, IEC 60601-2-4

Environmental

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

Storage Temperature: -30° to 70°C; -22° to 158°F

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

Vibration: IEC 60068-2-64, Random, Spectrum A.4, Table A.8, Cat. 3b; RTCA/DO-160G, Fixed Wing Aircraft, Section 8.6, Test Cat. H, Aircraft Zone 1 and 2; EN1789, Sweep per EN 60068-2-6 Test Fc

Shock: IEC 60068-2-27; 100G

Altitude: -381 m to 4573 m; 1,250 to 15,000 ft

Particle and Water Ingress: IP55

Drop Test: 1 meter; 3.28 ft

Battery

Type: Disposable, sealed lithium manganese dioxide

Battery Standby Life (once installed)*: 5 years with weekly self-test. Battery end of life indicated by blank status window (typical remaining shocks: 9).

Battery Shelf Life: Store for up to 2 years at 23°C (77°F) prior to installing in ZOLL AED 3 BLS to maintain battery life detailed above.

Temperature: 0°C to 50°C (32°F to 122°F)

Humidity: 10% to 95% (non-condensing)

Weight: 317.5 grams; 0.7 lbs

Size: (H x W x D) 27.75 mm x 133 mm x 88 mm; 1.0 in x 5.16 in x 3.5 in

Nominal Voltage: 12 volts

ZOLL AED 3 BLS Carry Bag

Size: (H x W x D) 29.2 cm x 27.4 cm x 17.8 cm; 11.5 in x 10.8 in x 7.0 in

Weight: 3.4 kg; 7.5 lbs (ZOLL AED 3 BLS with battery installed and an electrode pre-connected in carry bag)

Holds: ZOLL AED 3 BLS with battery inserted and back-up set of electrodes

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800-804-4356

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

*Battery standby life will be shorter in areas with low WiFi signal strength and/or more complex WiFi authentication protocols.

Specifications subject to change without notice.

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Printed in U.S.A. MCN HP 1801 0294

ZOLL

Panda Warmer ResusView

A warm welcome for your precious newborns

The Panda Warmer ResusView is an integrated solution designed to create a more inclusive and collaborative environment for care providers and their patients. It contains integrated technology solutions, including blood oxygen saturation (SpO₂) and ECG heart rate, to help you deliver responsive, appropriate care.

Key features

- A standard observation light lets you adjust light intensity so you can work without creating unnecessary discomfort for the newborn
- Automatic warm-up mode helps ensure the bed is warm when the newborn arrives
- Hands-free alarm silence feature helps maintain a clean environment and keep the area quiet and soothing
- Brilliant, full-color controls and display are accessible and easy to use. Patient information is displayed vividly on the large screen.
- The vertical dovetail dual rail system is incorporated for easy addition of accessories and ancillary equipment to simplify your equipment management
- Innovative Hourglass Heat Profile bathes the baby in soothing warmth with uniform coverage across the mattress, while helping keep the caregiver cool and comfortable
- Available with minimal setup to meet the Neonatal Resuscitation Program (NRP) and International Liaison Committee on Resuscitation (ILCOR) guidelines, the integrated resuscitation feature helps standardize resuscitation protocols across the perinatal care area
- Integrated gas cylinder holders and easily-viewable tank pressure gauges enable smooth workflow and transport convenience
- Integrated t-piece system with a built-in manometer and integrated air/oxygen blender keeps important tools at your fingertips
- Integrated scale ensures the baby's first weight is available right at the bedside. No need to move the baby to a cold scale
- Uninterruptible power supply (UPS) battery² keeps the baby safe and secure from power interruptions for 15 minutes²
- Integrated X-ray cassette tray enables baby to undergo a radiographic exam right in the warmer with uninterrupted thermal support
- Integrated SpO₂ capabilities to assess baby's oxygenation¹
- Integrated 3-lead ECG capabilities to acquire a heart rate, in 6 seconds^{1,3}



Panda iRes Warmer

¹ Not available in all markets.

² Dependent on load conditions

³ 60-119 bpm.

Technical specifications

Integrated resuscitation characteristics

Input pressure	40-75 psi (275-517 kPa)
Input flow	70 lpm (min)
Vacuum range	0-150 mmHg
Vacuum accuracy	± 5% of full scale
Flow range	0-15 lpm
Air/O ₂ blender range	21-100% O ₂
Blender accuracy	± 5% O ₂
Adjustable PIP (For T-Piece Resuscitation System only)	
Maximum PIP	45 ± 5 cm H ₂ O
PIP override	> 30 ± 4 cm H ₂ O
Flow capacity	15 lpm

Parameter measurement accuracy

SpO ₂	± 3 digits; pulse rate: ± 3 bpm
Skin temperature	± 0.3°C
ECG (optional)	3 leadwires; ±1% or ± 1BPM which ever is greater for the HR range (30 bpm - 300 bpm) and QRS duration (15 -90 msec)

Performance specifications

Heater element	360 Watts
Patient temperature	± 0.3°C @ 30°C measurement accuracy: to 42°C
Observation light	2 dimmable 35W halogen bulbs

User control settings

Patient control temperature increments	34-37.5°C in 0.1°C
Radiant heat power	0-100% in 5% increments

Irradiance

iRes Warmer

100% heater power	27 mW/cm ²
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Weight scale performance

Functional range	300 g to 8 kg
Accuracy	±10g

Power specifications

115 VAC, 50/60 Hz Models	115 V ± 10%; 6.6 Amps
220-240 VAC, 50/60 Hz Models	230 V ± 10%; 3.3 Amps
Nominal power consumption	540W at max. heater power, max. lighting
Complies with IEC 60601-1 for electrical safety	

Environmental specifications

Operating conditions

Temperature	18°C to 30°C
Humidity	5% to 75%
Pressure	70-106 kPa
Air velocity	Up to 0.3 m/sec
Water ingress	IPX0

Storage conditions

Temperature	-25°C to 60°C
Humidity	0 to 85%

Physical specifications

Panda iRes Warmer

Height (adjustable)	193-218 cm
Width	64 cm
Depth	119 cm
Weight	100 kg
Mattress Size	66 x 48 x 2 cm
Bed Capacity	14 kg
Bed Tilt	± 12° continuous tilt
Patient weight	40 kg (88 lbs) (max)

Not all products or features are available in all markets. Full product technical specification is available upon request. Contact a GE HealthCare Representative for more information.

Data subject to change.

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DOC2385531 rev2 10/2024



GE HealthCare



BLOOD STORAGE for EMS



TEMPERATURE

Maintains blood temperature of 1°C-6°C, meeting AABB standards



PORTABILITY & ACCESSIBILITY

Easily transported by vehicle and carried by hand

Alerts and real-time temperature logging through the mobile app



POWER

110V / 12V Vehicle power

Internal charger charges battery while maintaining temperature

24h+ Battery Life



SAFETY

Safety Certified

Helicopter Air Ambulance
Qualified



FDA Listed
Blood Refrigerator





GENERAL

Size

19.3" wide x 10.1" high
x 10.2" deep (49 cm wide
x 25.7 cm high x 25.9
cm deep)

Weight

29 lbs (13.2 kg) unloaded

Standard

Meets AABB Standards
for Blood Banks and
Transfusion Services

FDA Registered

#195893765478
Class II. Code KSE
For use near patient

HAA FAA Qualified

AC No: 135-14B,
sec 5-3.d, 5-5(1)

STORAGE

Internal temperature

4.5°C ± 0.8°C

Duration

95 hrs @ 24°C (@ 75°F)

Volume

4 L (4.4 qt)

Unit capacity

Six 500 ml bags

TEMPERATURE RECORDING

Frequency

4 hours

Duration

72 days

Accuracy

± 1°C, class 2 (k=2)

Calibration

NIST Traceable

ENVIRONMENTAL

Temperature Ranges:

Operating

-32° to 50°C (-25° to 122°F)
with, battery discharge
and AC power operation.

Battery Charging

-10° to 40°C (-4° to 104°F)

Storage

-32° to 60°C (-25° to 140°F)

Temperature and Humidity

IEC 61010-1

Ingress Protection

IP66 & NEMA4X Waterproof

EMC

EN 55011 CISPR 11 Class A

Refrigeration Safety

UL/IEC 61010-2-11

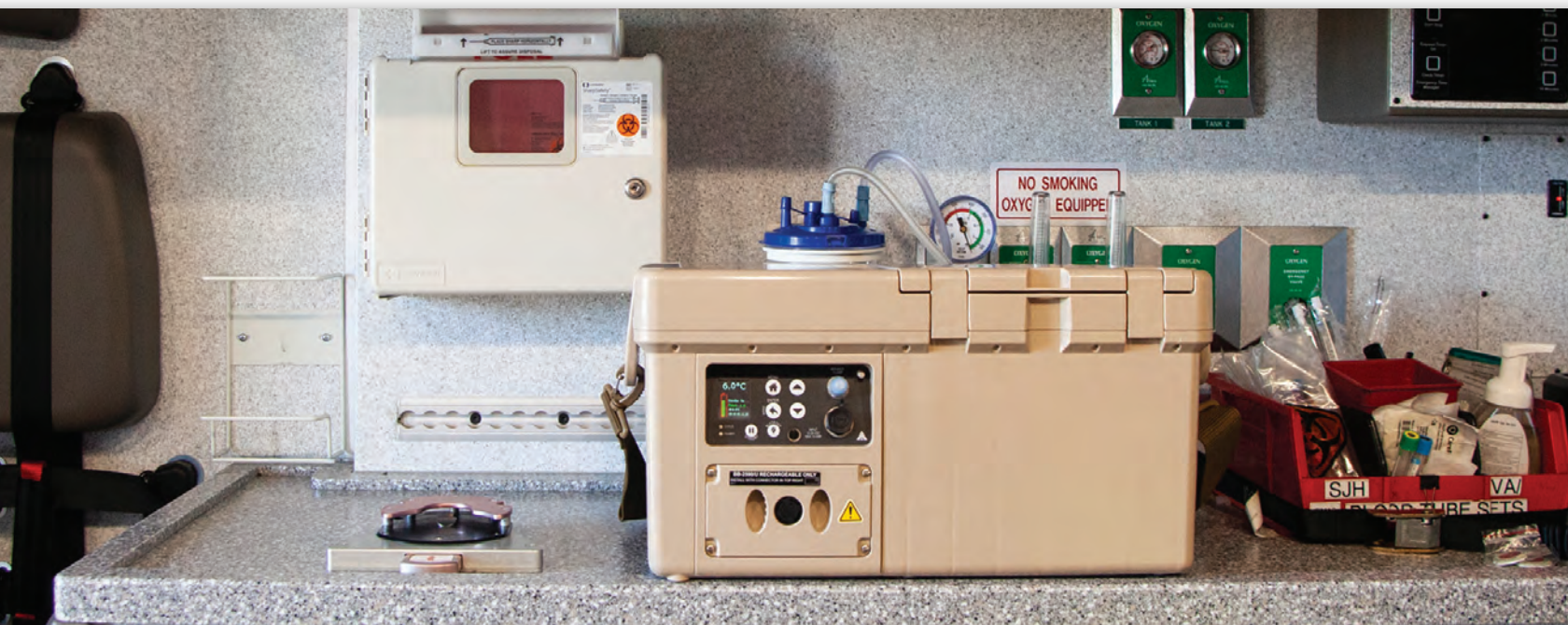
Heater Safety

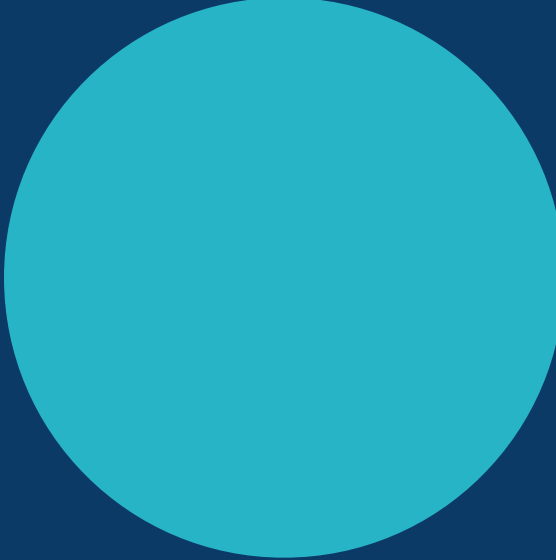
UL/ IEC 61010-2-10

Operating Voltages

100 to 240 VAC

(50/60 Hz) or 12.0 to 31.0 VDC





DIAGNOSTICS, MONITORING & CARDIOVASCULAR

Manufacturer brochures, specifications, and product literature curated for VA, hospital, clinic, laboratory, and healthcare facility requirements.

770

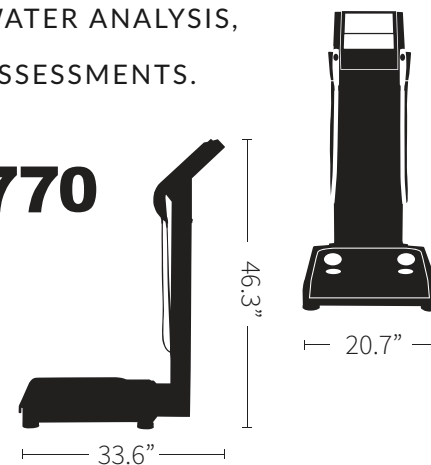


Double the Data

THE INBODY 770 PERFORMS BODY COMPOSITION ANALYSIS AND BODY WATER ANALYSIS, FOR DEEPER HEALTH ASSESSMENTS.

InBody 770

WWW.INBODY.COM





Plunge into Body Water Analysis

The InBody 770 goes beyond traditional body composition analysis to provide a crystal-clear assessment of body water, via its Body Water Result Sheet. Delivered alongside the standard Body Composition Result Sheet, the Body Water Result Sheet can be used to identify water imbalances and understand fluid distribution in the limbs and trunk. Key outputs include the Segmental ECW/TBW ratio, Segmental ICW, and Segmental ECW.

Utilized by the Marine Corps to assess readiness to serve, the InBody 770 is an essential tool for any professional institution that requires a thorough, research-grade analysis of both body composition and body water.



IN-DEPTH SEGMENTAL DATA

What if you could analyze the water, fat, and muscle balance in each limb and the trunk? The InBody 770 does just that. Get segment-specific outputs that are ideal for clinical research, including Segmental Body Water Analysis, Segmental Fat Analysis, and Segmental Phase Angle.



FLEXIBLE HAND ELECTRODES

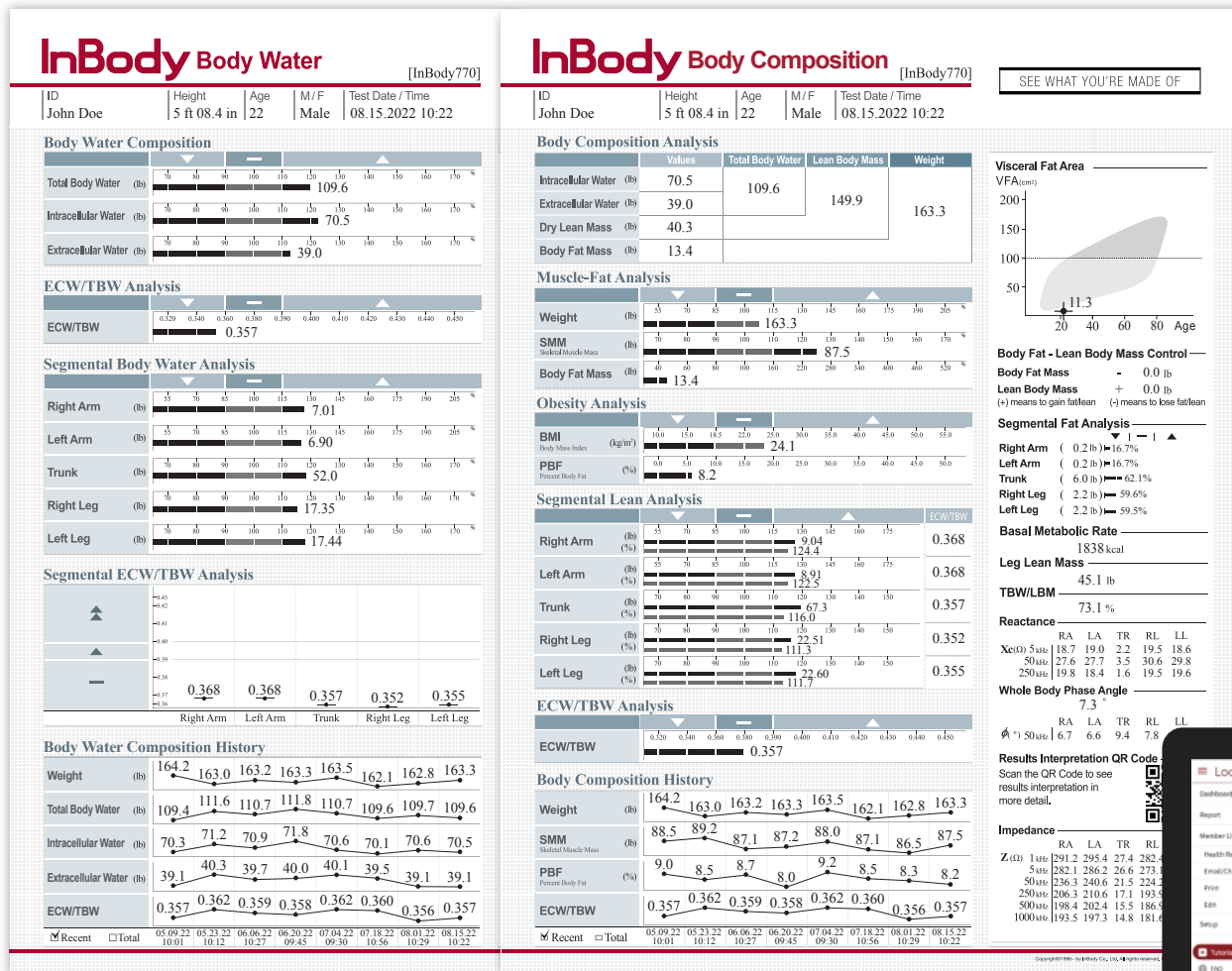
Here's what makes InBody different: our unmatched attention to detail, which comes through in features like the InBody 770's flexible cable hand electrodes. Their bendable cables are designed to optimize testing posture, which leads to accurate, consistent results you can trust.



RESEARCH PARAMETERS

From Phase Angle, which directly measures cell permeability, to Leg Lean Mass, Reactance, and the TBW/LBM ratio, the InBody 770's research parameters enable professionals at hospitals and universities to gather comprehensive body composition metrics, quickly and non-invasively.

Twice the Outputs, Far More Insights



BODY WATER

Offers advanced body water analysis, presenting Segmental TBW ratio information in three different ways. This makes it easier to see water balance and identify inflammation, which is linked to health risks.

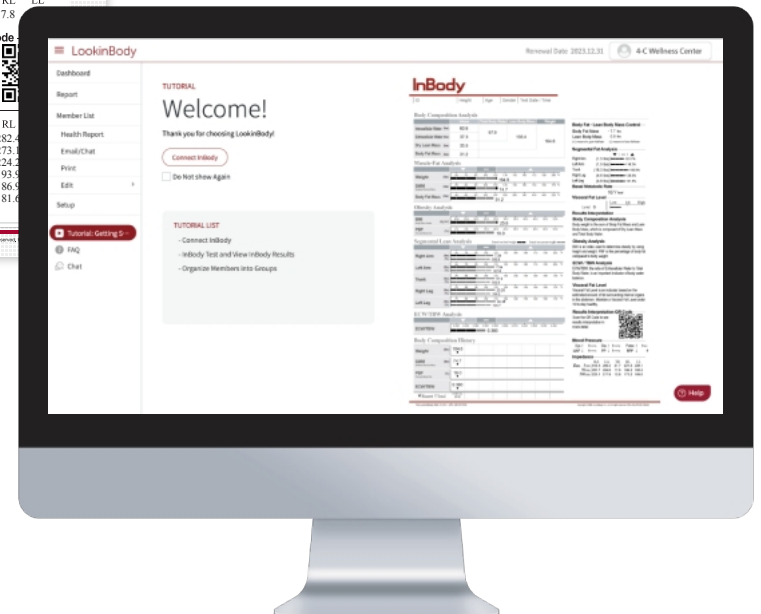


BODY COMPOSITION

Provides detailed body composition analysis metrics, including Visceral Fat Area, which is displayed in a graph format that lets you compare the tester's result to others in their age group.

LookinBody Web

A secure, HIPAA-compliant cloud database platform, LookinBody Web allows you to collect data from professional InBody devices. For your convenience, it integrates with services your business already uses, including client engagement, personal training, and EMR/EHR software. These capabilities help you expand your programs, enhance your services, and skyrocket memberships and retention.





Product Specifications

COMPATIBLE RESULT SHEETS

Body Composition, Body Water

COMPATIBLE SOFTWARE

LookinBody Web

COMPATIBLE ACCESSORIES

USB Drive, InBody Tissues,
Laser/Ink Jet Printer, Marketing Materials

COMPATIBLE DEVICES

BSM 170B, BSM 270B, BPBIO 320S,
BPBIO750, InGrip, InBody Touch

BUILT-IN FEATURES

Wi-Fi/Bluetooth Connectivity, Touchscreen, Cloud Service, Level Indicator,
Manual Weight Input and Adjustment Capability, Barcode Scanner Integration,
Customer Logo, Database (Export CSV, Backup, Restore, Combine)

STANDARD OUTPUTS

Body Composition and Body Water

Body Composition Analysis (Weight, TBW [Total Body Water], Dry Lean Mass, Body Fat Mass, LBM [Lean Body Mass], ICW [Intracellular Water], ECW [Extracellular Water]), Body Water Composition (TBW, ICW, ECW), Muscle-Fat Analysis (Weight, SMM [Skeletal Muscle Mass], Body Fat Mass), Obesity Analysis (BMI [Body Mass Index], PBF [Percent Body Fat]), Segmental Lean Analysis (Based on ideal weight/Based on current weight: RA, LA, Trunk, RL, LL), Segmental Body Fat Analysis (Based on ideal weight/Based on current weight: RA, LA, Trunk, RL, LL), Segmental Body Water Analysis (Body Water, Based on ideal weight/Based on current weight: RA, LA, Trunk, RL, LL), Segmental ICW Analysis (Based on ideal weight/Based on current weight: RA, LA, Trunk, RL, LL), Segmental ECW Analysis (Based on ideal weight/Based on current weight: RA, LA, Trunk, RL, LL), Segmental ECW/TBW Analysis (Based on ideal weight/Based on current weight: RA, LA, Trunk, RL, LL), ECW/TBW Analysis, Body Composition History (Weight, SMM, PBF, ECW/TBW), Body Water Composition History (Weight, TBW, ICW, ECW, ECW/TBW), InBody Score, Visceral Fat Area and Level (Graph), Body Fat — Lean Body Mass Control [Body Fat Mass, LBM], Research Parameters (BMR [Basal Metabolic Rate], Arm Circumference, SMI [Skeletal Muscle Index], SMI History, Leg Lean Mass, TBW/LBM, ICW/LBM, Water Control, Blood Pressure[†] (Systolic, Diastolic, Pulse, Mean Arterial Pressure, Pulse Pressure, Rate Pressure Product), Muscle-Strength Evaluation[‡], Results Interpretation QR Code, QR Code, Segmental Phase Angle (5, 50, 250 kHz: RA, LA, Trunk, RL, LL), Whole Body Phase Angle (50 kHz: the right side of the body), Whole Body Phase Angle History, Reactance (5kHz, 50kHz, 250kHz), Impedance (Each segment and each frequency), BIVA (Bioelectrical Impedance Vector Analysis) Graph

[†]Blood Pressure and Muscle-Strength Evaluation outputs are only available when this device is used in conjunction with select InBody Blood Pressure and InBody Hand Dynamometer devices.

[‡]Depending on the unit you choose, your device may not be Bluetooth-enabled. Contact your sales rep to learn more.

TEST DURATION

50 Seconds

WEIGHT RANGE

4.4 - 595.2 lb

DATABASE

100,000 results
(if member ID is utilized)

FREQUENCIES

1, 5, 50, 250, 500 kHz;
1 MHz

AGE RANGE

3+ Years

HEIGHT RANGE

3 ft 1.4 in - 7 ft 2.6 in

DIMENSIONS

20.7 x 33.6 x 46.3
(W x L x H): in

EQUIPMENT WEIGHT

83.8 lb

WARRANTY

1-Year Manufacturer's Warranty

MEASUREMENTS

30 impedance measurements
6 frequencies at each of the
5 segments (RA, LA, Trunk, RL, LL)

XTRAC VELOCITY 400™ Excimer Laser



System Output Parameters	
Wavelength	308 nm
Pulse Repetition Rate	250 Hz
Spot Size	4.0 cm ² (2 cm x 2 cm)
Dose Range	25 - 5000 mj/cm ²
Laser Output Power	2.5 - 4.5 watts



Physical Attributes	
Dimensions	18" L x 39" D x 34" H (46 cm x 99 cm x 86 cm)
Weight	~220 lbs (100 kg)
AC Input Power	100-230 VAC 1k VA max; 50/60 Hz
Gas Type	Custom xenon chloride mix
Power Connector	HBL8215CT (standard hospital grade, 120 V plug)
Laser Control	User selectable: foot switch or handpiece
Remote Interlock	Contact closure, isolated and powered w/ 24 V DC, 5 mA

enovis™

VENAFLOW® *Elite*

Making DVT Prevention a Priority.



VENAFLOW[®] Elite

Enovis[™] continues the global healthcare commitment to help prevent deep vein thrombosis by introducing the VenaFlow[®] Elite System.⁵ VenaFlow Elite leverages the clinically proven VenaFlow platform technology while featuring a new, low profile and light-weight appearance.

FEATURES

- Low profile, light-weight design
- Compliance counter
- Telescoping bed hanger
- Battery option
- Automatic cuff detection
- Preset pressures & alarms
- One pump for calf, thigh & foot cuffs
- Soft and breathable cuffs

BENEFITS

- Easily stored, easily transported
- Available with compliance counter to help monitor and track compliance
- Bed hanger extends to accommodate up to 3.5 inches
- Battery-installed units available upon request
- System automatically identifies attached cuff configuration and adjusts pressure accordingly
- No adjustments necessary
- Assists in increasing patient comfort and compliance



THE VENAFLW[®] ELITE'S STATE-OF-THE-ART
DESIGN ELEGANTLY DISPLAYS ITS UNIQUE,
USER FRIENDLY FEATURES.



VENAFLOW® TECHNOLOGY

RAPID INFLATION

The VenaFlow Elite System rapidly inflates in less than a ½ second, thus providing the shear stress needed to advance fibrinolysis and help prevent clots from forming behind the valve cusps.⁷ Kang Liu et al research reveals that “intermittent pneumatic compression with a faster inflation rate dramatically increases blood flow, generates greater shear stress on the vascular wall, stimulates greater nitric oxide release, and consequently results in stronger responses of vasodilation when compared with intermittent pneumatic compression with a slower inflation rate.”¹

GRADUATED, SEQUENTIAL COMPRESSION

VenaFlow technology delivers graduated, sequential compression via the new Integrated Graduated Sequential Flow (IGSF) system to help increase venous velocity.

The Integrated Graduated Sequential FLOW SYSTEM (IGSF) is comprised of a single tube, duplex aircell design that functions to help deliver the same performance as the VenaFlow dual tube design. This duplex design is composed of two, overlapping & seamless aircells. The distal aircell inflates first within a ½ second, then during distal pressure inflation, the air will flow into the proximal aircell. 6 seconds later, the cuff deflates.⁶ Labropoulos et al data shows that the distal aircell accounts for most of the velocity of venous return, and the proximal aircell “supplements and extends the action of” the distal aircell.² See Figure A for specific pressures.⁶

CLINICAL DATA

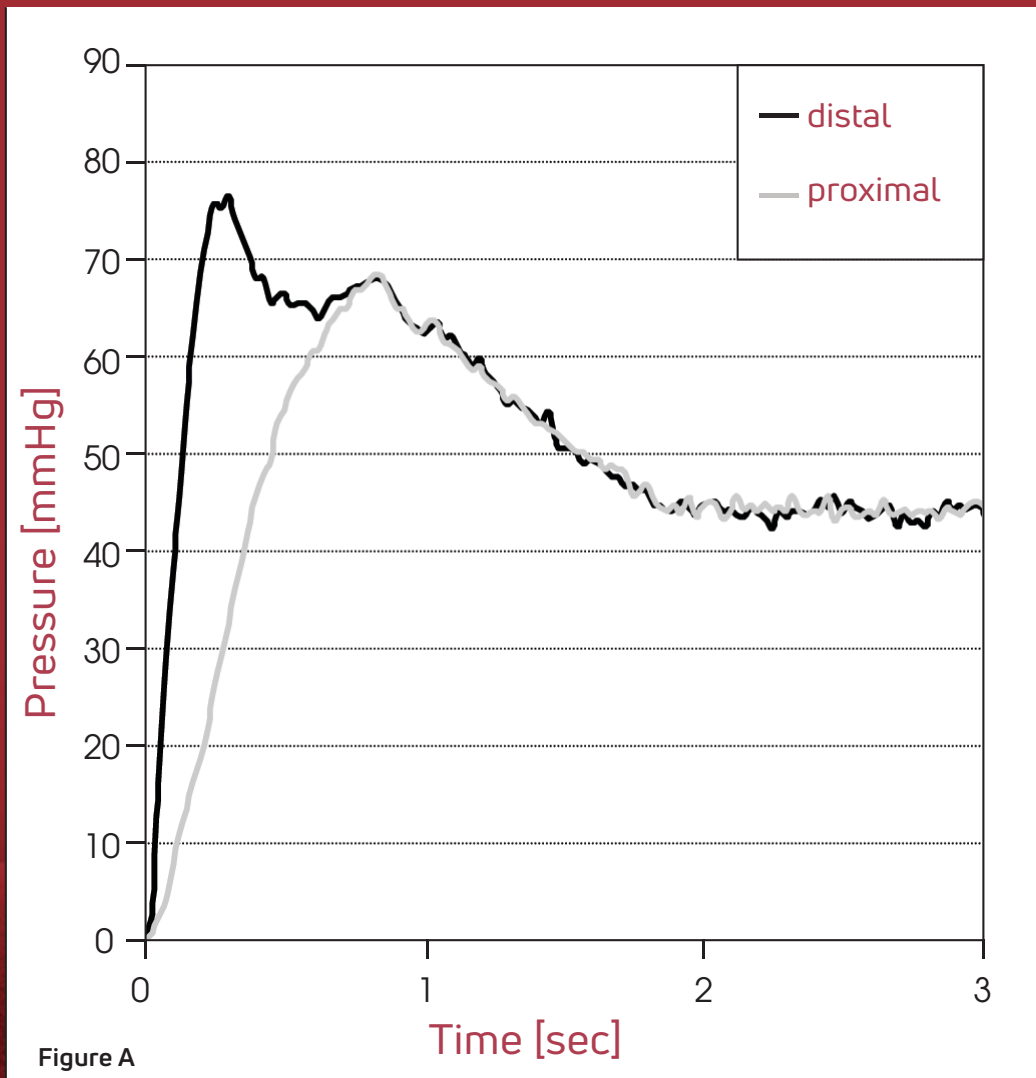
EISELE

A study by Eisele et al. found that combining low-molecular-weight heparin (LMWH) with rapid-inflation intermittent pneumatic compression (IPC) of the calves reduced the incidence of deep vein thrombosis (DVT) to 0.4%, compared to 1.7% with LMWH alone.³ This demonstrates that the combined therapy was significantly more effective in preventing DVT ($p = 0.007$).

WESTRICH MULTIMODAL

Mechanical compression with VenaFlow calf compression in conjunction with chemoprophylaxis is an effective means of reducing thromboembolic disease in a high-risk population.... study by Westrich et al. (2005) demonstrated that combining VenaFlow calf compression with chemoprophylaxis reduced the incidence of thromboembolic disease to 3.5% overall, one of the lowest rates reported in the literature for high-risk hip fracture patients.⁴

VENAFLOW CALF CUFF PRESSURE CURVE



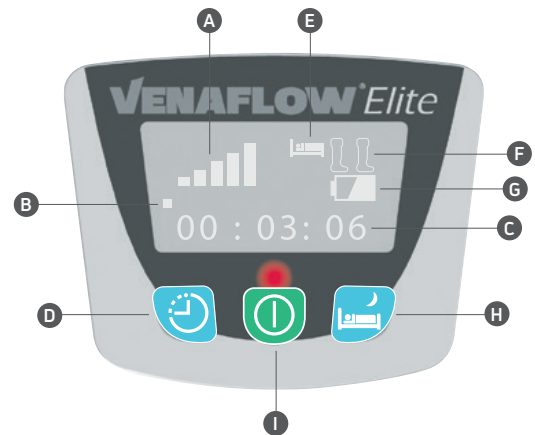
LABROPOULOS

The use of elliptical, sequential and rapid-filling compression of the leg with overlapping aircells produces significant hemodynamic changes in the common femoral vein, which are superior to other sequential slow or rapid-filling IPC devices.²

VENAFLOW® ELITE INTERFACE

SYMBOLS AND LEGEND

	Power on/off button and alarm reset		Lock mode
	S-Mode Operation		Dual calf/thigh
	Compliance monitor reset		Single calf/thigh
	Tube alarm		Dual foot
	Call for service		Single foot
	Inflation cycle indication (Bars indicate cuffs are inflating)		Visual only compliance alarm enabled
	See VenaFlow Elite System operator's manual		Visual and audio compliance alarm enabled
	Battery		



A: Inflation Cycle indicator	D: Patient Compliance counter reset push button	G: Battery Indicator <i>*Note: Not all VenaFlow Elite Systems contain a battery</i>
B: First 3 minutes (ramp up) indicator	E: S-Mode Operation indicator	H: S-Mode Operation button
C: Patient Compliance counter	F: Single/Dual Leg operation indicator	I: ON/OFF/RESET push button

POSITIONING THE VENAFLOW CUFF

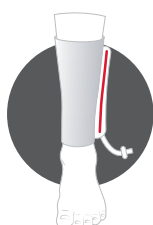
VENAFLOW ELITE HELPS PROVIDE ASYMMETRIC COMPRESSION

The VenaFlow Elite aircell can be located on any part of the leg as shown in the the images below.

POSTERIOR



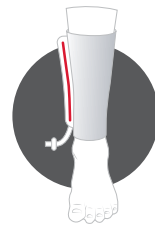
LATERAL



ANTERIOR



MEDIAL



VENAFLOW® ELITE OPERATING INSTRUCTIONS

1 SET UP PUMP

A: Press bed hanger release on the back of the pump and gently pull out bed hanger hook to the desired width.

B: Connect tubing to the pump. Plug pump into electrical outlet.

2 APPLY CUFF

The VenaFlow Elite system will automatically detect the type of cuff and the number of cuffs attached and apply appropriate pressures. Cuffs must be attached prior to powering on the service.

Be sure to secure cuff straps snug but not tight. When using the calf cuff and thigh cuff, rotation of the aircell on the leg does not affect performance of the system.

CALF OR THIGH CUFF

For varied patient sizes, trim for proper, snug fit.

Apply cuff snugly with the tube pointed toward the foot. Aircell can be orientated to patient and nursing preference (posterior, lateral, anterior, or medial).



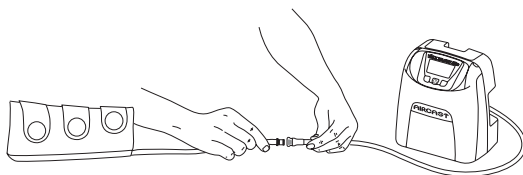
FOOT CUFF

Apply foot cuff snugly with the aircell centered on bottom of foot and with the tube pointed to the left. Foot cuffs are only for use in standard rapid mode.



3 CONNECT SYSTEM

Connect cuffs to the tubing that is attached to the pump.



4 STANDARD RAPID MODE OPERATION

- Press ON/OFF/RESET button.
- Cuff inflation alternates between the two legs every 30 seconds.
- Distal aircell inflates first and the proximal aircell follows.
- Pressures settle at 45mmHg $\pm$ 15%.
(Foot Cuff peak ~130 mmHg.)
- After six seconds the cuff deflates.
- Alarm will sound if the system is not functioning properly.

5 S-MODE OPERATION

- When powered on, the VenaFlow Elite System will default to standard rapid inflation mode. If a slower inflation is desired, select the S-Mode operation  button.
- Once selected, both cuffs will inflate simultaneously once per minute.
- Both cuffs will inflate and compress for a total of 10 seconds.
- While in S-Mode the icon  will appear in the top center of the graphical display. The device will remain in S-Mode until user presses the S-Mode operation button again. This button allows user to toggle between standard rapid inflation mode and S-Mode.

6 LOCKING IN STANDARD RAPID OR S-MODE

- To lock in standard rapid mode, make sure the device is in standard rapid mode, then press and hold the S-Mode  button for 5 seconds. Do the same to unlock it.
- To lock in S-Mode, make sure the device is in S-Mode and press and hold the S-Mode button  for 5 seconds. Do the same to unlock it.

ALARM RESET

To reset any alarm, press the center ON/OFF/RESET  button and take steps to correct the alarm if necessary.

Note: Pressing ON/OFF/RESET following alarm only resets the alarm. The device will continue to run and will not shut down. Alarm will continue at next cycle if not corrected.

Check Tubes Alarm
(Kinked or Disconnected Tube)



Call For Service Alarm
(Ship back to DJO for repair)



VENAFLOW®Elite

ORDERING INFORMATION

Part No.	Part No. (International)	Description	Qty	Max. Circumference
30B	30BI	VenaFlow Elite System	Each	N/A
30B-S	30BI-S	VenaFlow Elite System with S-Mode	Each	N/A
30B-B	30BI-B	VenaFlow Elite System with Battery	Each	N/A
30B-SB	30BI-SB	VenaFlow Elite System with S-Mode & Battery	Each	N/A
3040	3040	VenaFlow Elite Calf Cuff	Pair	48 cm (19")
3041	3041	VenaFlow Elite Sterile Calf Cuff	Each	48 cm (19")
3042	3042	VenaFlow Elite XL Calf Cuff	Pair	56 cm (22")
3043	3043	VenaFlow Elite Bariatric Calf Cuff	Pair	76 cm (30")
3044	3044	VenaFlow Elite Sterile XL Calf Cuff	Each	56 cm (22")
3045	3045	VenaFlow Elite Thigh Cuff	Pair	74 cm (29")
3046	3046	VenaFlow Elite Foot Cuff	Pair	41 cm (16")
3050	3050	VenaFlow Elite Foam Calf Cuff	Pair	48 cm (19")
3008	3008	Tube Assembly, 168 cm (5.5')	Each	N/A
3008XL	3008XL	Tube Assembly, 260 cm (8.5')	Each	N/A
3008XXL	3008XXL	Tube Assembly, 320 cm (10.5')	Each	N/A
3008XXXL	3008XXXL	Tube Assembly, 380 cm (12.5')	Each	N/A

System Replacement Parts

Part No.	Description	Qty
3070	Power Cord	1
3071	Bed Hanger	1
3072	Tube Attachment Tag	1
3073	Fuse	Pair

enovis[™]

T 800.336.6569 F 800.457.4221

DJO, LLC
5919 Sea Otter Place, Suite 200 | Carlsbad, CA 92010 | U.S.A.
enovis.com/aircast

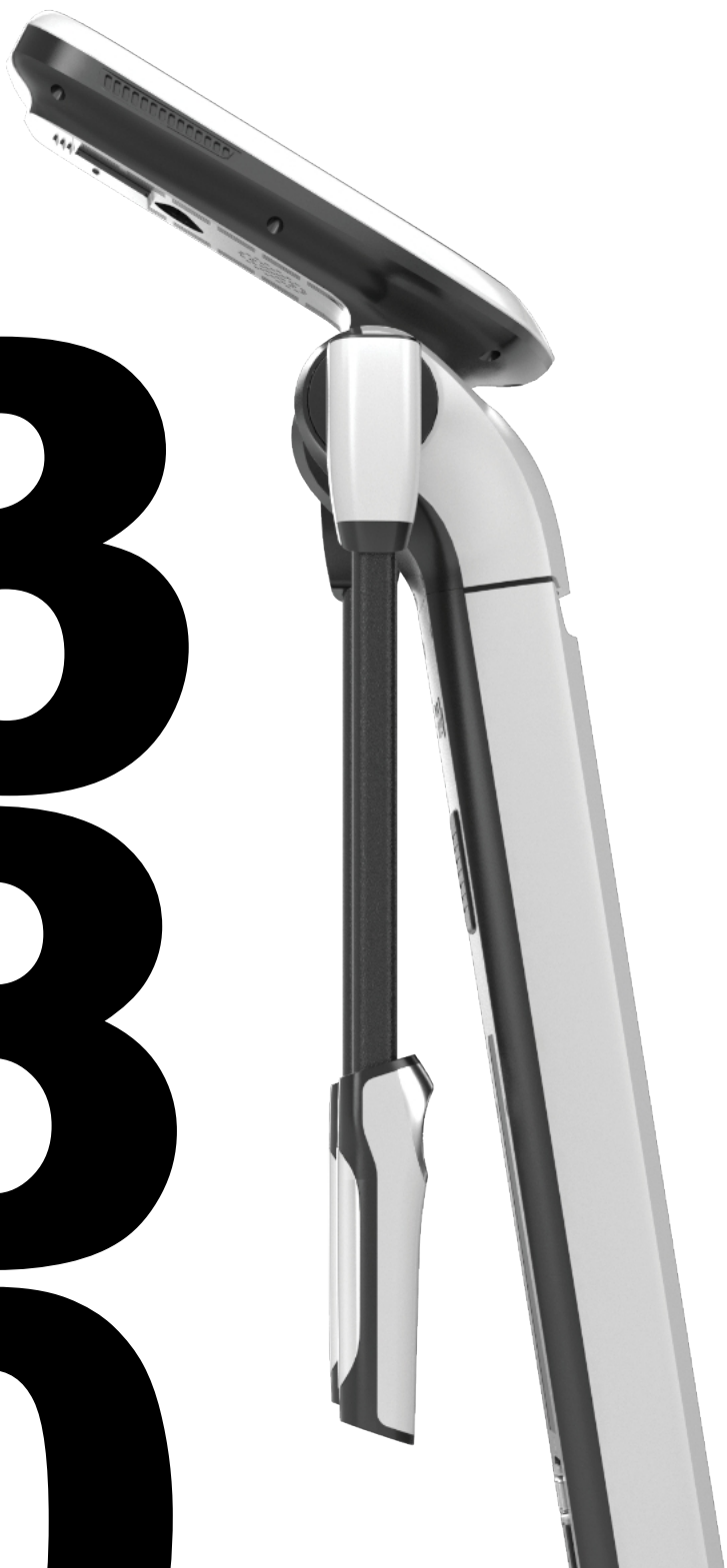
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MKT00-8739 Rev C

1. Liu K et al: "Influences of Inflation Rate and Duration on Vasodilatory Effect by Intermittent Pneumatic Compression in Distant Skeletal Muscle." Journal of Orthopaedic Research, 1999.
2. Labropoulos N, Oh DS, Golts E et al: "Improved Venous Return by Elliptical, Sequential and Seamless Air-cell Compression". Loyola University Medical Center, 2003.*
3. Eisele R, Kinzl L, and Koelsch T: "Rapid-Inflation Intermittent Pneumatic Compression for Prevention of Deep Venous Thrombosis." JBJS, 2007.*
4. Westrich GH, Rana, AJ, Terry MA, et al: "Thromboembolic Disease Prophylaxis in Patients With Hip Fracture." Journal of Orthopedic Trauma, April 2005.
5. Juthberg R, Edman G, Ackermann PW. / Which leg immobilized patient gains the most from Intermittent Pneumatic Compression in DVT-prevention? / Muscles, Ligaments and Tendons Journal 2019 / 9(2): 272-281
6. Whitelaw G, Oladipo O, Shah BP, et al: Evaluation of Pneumatic Compression Devices. Orthopedics 24(3):257-261, 2001
7. Praxitelous et al; "Hemodynamics and tolerability of lower-limb intermittent pneumatic compression devices and neuromuscular stimulation", TRANSLATIONAL SPORTS MEDICINE; 2018-07-01 1(4): 143-150

* Reference refers to VenaFlow

Individual results may vary. Neither DJO, LLC nor any of the Enovis companies dispense medical advice. The contents of this document do not constitute medical, legal, or any other type of professional advice. Rather, please consult your healthcare professional for information on the courses of treatment, if any, which may be appropriate for you.

380

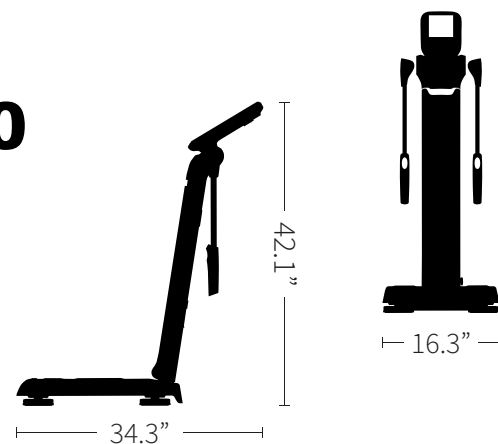


Portable & Advanced

DESIGNED FOR BUSY PROFESSIONALS, THE INBODY 380
OFFERS EASY YET COMPREHENSIVE TESTS.

InBody380

WWW.INBODY.COM





Fast, Non-Invasive Insights

The InBody 380 improves upon traditional scales by measuring muscle growth, fat loss, body water changes, and more. These game-changing metrics help you see how your clients' body composition responds to interventions, boosting the effectiveness of your services.

With numerous testing frequencies that deliver in-depth outputs, the InBody 380 offers portability and detailed data in the same package, for unbeatably quick yet advanced analysis.



CUSTOMIZABLE RESULTS

Track the data that matters most. Select the type of outputs you see on the right-hand side of the Result Sheet. Personalize the Body Composition History to focus on the progress of specific metrics.



EASY MEASUREMENT

Test more people. The InBody 380's quad load cell system allows it to evaluate users accurately even if they need to hold its handles for stability, so you can test more seniors and people with disabilities as well as a more extensive weight range.



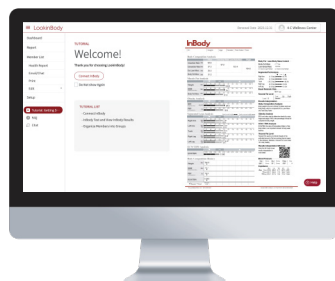
EMBEDDED BARCODE SCANNER

Assess people faster. Testers can scan a QR code or BAND to sync results with their InBody App profiles. Connect your InBody 380 to our cloud solution LookinBody Web to sync results with testers' database profiles and eliminate manual data entry.



WHOLE BODY ECW/TBW RATIO

Evaluate fluid balance better. The InBody 380's Whole Body ECW Ratio output provides a graph of the tester's extracellular water to total body water ratio. This is an important sign of overall health, as high levels may indicate inflammation.



LookinBody Web

A secure, HIPAA-compliant cloud database platform, LookinBody Web allows you to collect data from professional and consumer InBody devices. For your convenience, it integrates with services your business already uses, including client engagement, personal training, and EMR/EHR software. These capabilities help you expand your programs, enhance your services, and skyrocket memberships and

Superior Body Composition Assessment

InBody

[InBody380]

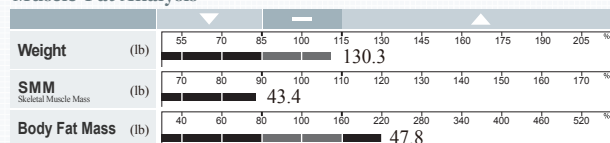
ID Jane Doe Height 5ft 01.8in Age 35 M / F Female Test Date / Time 02.01.2024 14:51

SEE WHAT YOU'RE MADE OF

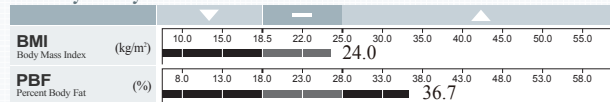
Body Composition Analysis

	Values	Total Body Water	Fat Free Mass	Weight
Intracellular Water (lb)	36.6	60.8 (59.5~72.8)	82.5 (80.9~98.8)	130.3 (99.2~134.0)
Extracellular Water (lb)	24.3			
Dry Lean Mass (lb)	21.6			
Body Fat Mass (lb)	47.8			

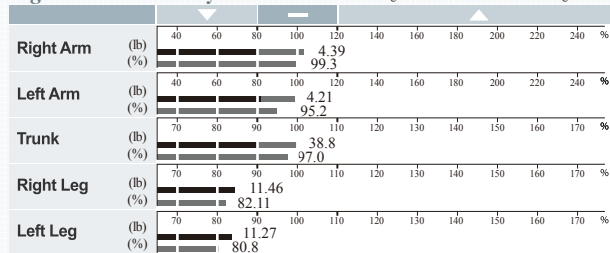
Muscle-Fat Analysis



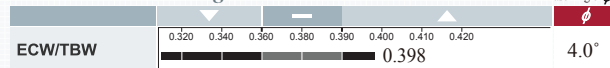
Obesity Analysis



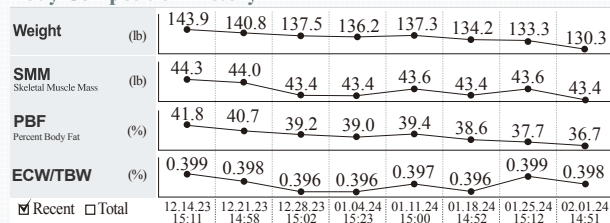
Segmental Lean Analysis



ECW/TBW-Phase Angle



Body Composition History



InBody Score

67

* Total score that reflects the evaluation of body composition.

SMI

5.6 kg/m²

5.4	5.5	5.4	5.9	5.6
01.04.24 15:23	01.11.24 15:00	01.18.24 14:52	01.25.24 15:12	02.01.24 14:51

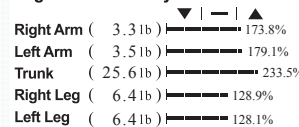
Body Fat - Fat Free Mass Control

Body Fat Mass -20.9 lb

Fat Free Mass +7.5 lb

(+) means to gain fat/lean (-) means to lose fat/lean

Segmental Fat Analysis



Visceral Fat Level



Basal Metabolic Rate



Research Parameters

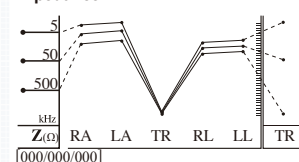
Fat Free Mass	82.0 lb (80.9~98.8)
Arm Circumference	11.9 in
FFMI	15.1 kg/m²
FMI	18.9 kg/m²
SMI	15.6 kg/m²
SMM/WT	33.0 %

Results Interpretation QR Code

Scan the QR Code to see results interpretation in more detail.



Impedance



BODY COMPOSITION ANALYSIS

Breaks down body composition into Total Body Water (divided into Extracellular Water and Intracellular Water), Fat-Free Mass, Dry Lean Mass, and Body Fat Mass. Identify muscle gain, fluid imbalances, and more.



ENHANCED SEGMENTAL ANALYSIS

Displays lean body mass levels in the limbs and trunk, in bar graph or human graph format. For your convenience, Segmental Fat Analysis is displayed alongside this output so you can compare and contrast results.



IN-DEPTH SEGMENTAL FAT ANALYSIS

Makes it easy to spot both positive and negative body composition changes by presenting clients' past test results in bar graph or human graph format. Track increases in Skeletal Muscle Mass, decreases in Body Fat Mass, and more.



ECW/TBW - PHASE ANGLE

Monitors the ratio of fluid balance to Phase Angle, a metric which has been shown to indicate cell membrane strength. Utilize this output to help get a better sense of the user's overall cellular health.



BODY COMPOSITION HISTORY

Customize Body Composition History outputs so you can see how specific outputs, such as Percent Body Fat, alter over time. Pick up to four output trends to track on a single test, out of 15 options.



Product Specifications

TEST DURATION

30 Seconds

WEIGHT RANGE

4.4 - 661.4 lb

COMPATIBLE DEVICES

BSM 170B, BSM 270B, BPBIO320S, BPBIO 750, InGrip, InBody Touch

COMPATIBLE SOFTWARE

LookinBody Web

COMPATIBLE ACCESSORIES

Carrying Case, USB Drive, InBody Tissues, Laser/Ink Jet Printer, Thermal Printer, Marketing Materials

COMPATIBLE RESULT SHEETS

Body Composition, Children, Thermal

BUILT-IN FEATURES

Portability, Wi-Fi/Bluetooth Connectivity, Touch Screen, Cloud Service, Level Indicator, Manual Weight Input and Adjustment Capability, Quad Load Cell Capability, Embedded Barcode Scanner, Customer Logo, Database (Export CSV, Backup, Restore, Combine), BAND Connectivity, Customizable Body Composition History, Customizable Segmental Analysis

STANDARD OUTPUTS

Body Composition Analysis (Weight, TBW [Total Body Water], FFM [Fat-Free Mass], ICW [Intracellular Water], ECW [Extracellular Water], DLM [Dry Lean Mass], BFM [Body Fat Mass]), Muscle Fat Analysis (Weight, SMM [Skeletal Muscle Mass], BFM), Obesity Analysis (BMI [Body Mass Index], PBF [Percent Body Fat]), Segmental Lean Analysis (Bar Graph, Human Figure Graph: [RA, LA, Trunk, RL, LL]), Segmental Fat Analysis (RA, LA, Trunk, RL, LL), ECW/TBW Analysis, Body Composition History (Weight, SMM, PBF, ECW/TBW, FFM, InBody Score, BMR (Basal Metabolic Rate), Visceral Fat Level, BFM, BMI, FFMI (Fat-Free Mass Index), FMI (Fat Mass Index), SMI (Skeletal Muscle Index), SMM/Weight, Whole Body Phase Angle), InBody Score, Body Fat — Fat-Free Mass Control, BMR Graph, Research Parameters (FFM, BMR, Visceral Fat Level, Arm Circumference, FFMI, FMI, SMI, SMM/Weight, Recommended Calorie Intake Per Day [Result and Manual Input]), Calorie Expenditure of Activity, Blood Pressure[†] (Systolic, Diastolic, Pulse, Mean Arterial Pressure, Pulse Pressure, Rate Pressure Product), Muscle-Strength Evaluation[†], QR Code, Results Interpretation QR Code, Whole Body Phase Angle, Impedance Graph.

For a complete list of outputs available, please request a product comparison chart.

[†]Blood Pressure and Muscle-Strength Evaluation outputs are only available when this device is used in conjunction with select InBody Blood Pressure and InBody Hand Dynamometer devices.

AGE RANGE

3+ Years

HEIGHT RANGE

3 ft 1.4 in - 7 ft 2.6 in

DIMENSIONS

16.3 x 34.3 x 42.1 (W x L x H): in

EQUIPMENT WEIGHT

35.3 lb

DATABASE

100,000 results
(if member ID is utilized)

WARRANTY

1-Year Manufacturer's Warranty

FREQUENCIES

5, 50, 500 kHz

MEASUREMENTS

15 impedance measurements
3 frequencies at each of the
5 segments (RA, LA, Trunk, RL, LL)



VenaFlow[®] Elite Product Overview

enovis[™]

Creating Better Together[™]

Prophylaxis for Deep Vein Thrombosis

Intermittent pneumatic compression has been shown in clinical studies to reduce the risk of deep vein thrombosis and pulmonary embolism.^{2,10}

VenaFlow® Elite combines rapid inflation and graduated sequential compression to accelerate venous velocity and create clot-preventing turbulence.^{9,10}

WHAT IT DOES

Helps prevent clot formation by emulating ambulation.

HOW IT WORKS

Accelerates venous velocity using two core technologies:

- Rapid inflation
- Graduated sequential compression

LET'S MAKE DVT PREVENTION A PRIORITY!



By the Numbers: Venous Thromboembolism (VTE)

A widespread, deadly, and costly condition—yet largely preventable.

ANNUAL COST

900,000 people affected by VTE

~100,000 people die of blood clots

Treatment ranges from \$15,000-\$20,000
per person—an estimated cost of

\$10B

PREVENTION

UP TO 70%

of hospital-acquired VTE
cases are preventable.

SOLUTION

FEWER THAN HALF

of hospitalized patients receive
appropriate preventive treatment.

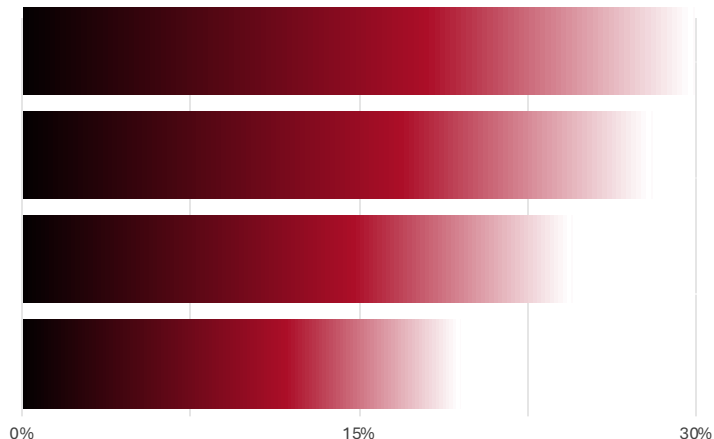
All data shown sourced from Reference 11

VenaFlow Elite Delivers What Decision-Makers Want

A Survey of Value Analysis Committees and decision-makers identified the most important criteria for sequential compression devices. VenaFlow® Elite delivers across each key category.

VAC Survey:

What Matters Most When Evaluating Sequential Compression Devices



How VenaFlow® Elite Delivers

PRICE

Competitively priced single-patient-use cuffs.

CLINICAL EVIDENCE

Nearly 30 years of clinical evidence-backed, clinically proven technology.

CLINICIAN EASE OF USE

Automated features and intuitive design for easier clinician use.

PATIENT COMFORT/COMPLIANCE

Breathable, lightweight cuffs for greater comfort and compliance.

**Data on file*

VenaFlow Is Clinically Validated by More Than Two Decades of Evidence

Nearly 30 years of published clinical studies, including randomized and comparative trials, demonstrate the physiological effects of IPC and support its role in clinical venous thromboembolism prophylaxis across multiple care settings.^{2,6,9}



ROBUST EVIDENCE

- Evaluated across orthopedic, hip-fracture, and mixed surgical populations in randomized and prospective clinical studies.^{2,5,10}
- Compared with anticoagulation alone and other mechanical compression systems.^{6,8}



VALIDATED PERFORMANCE

- Doppler and crossover studies of VenaFlow's rapid, graduated sequential compression demonstrate:^{6,8}
- Greater augmentation of femoral venous peak velocity.^{3,6,9}
 - Effective venous emptying dynamics.^{3,6}



CONSISTENT OUTCOMES

- RCTs and prospective studies show low DVT/PE rates when used as part of multimodal prophylaxis.^{2,5,10}
- Clinical studies report strong patient tolerance, with no serious device-related adverse events observed.^{6,7,8}

Leading Technologies That Set VenaFlow® Elite Apart

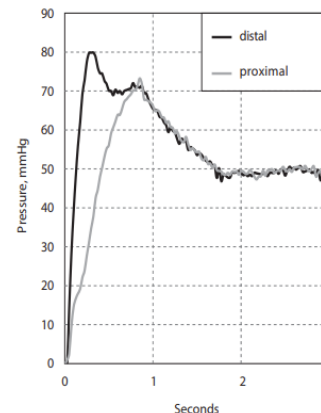
Two Core Technologies Working in Tandem

Rapid Inflation + Graduated Sequential Compression.

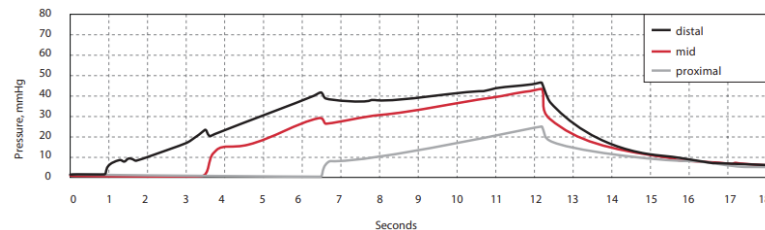
The combination of rapid inflation and graduated sequential compression work to mimic ambulation (walking) and accelerate venous velocity.^{3,4,6,9}

- Rapid inflation (≤ 0.5 seconds) generates higher venous velocity and shear forces that help reduce venous stasis, particularly around venous valve cusps.^{3,6,9}
- Two overlapping and seamless air cells (distal and proximal) deliver focused anterior-posterior calf compression to empty veins and enhance peak venous velocity.^{3,6,9}
- Comparative studies demonstrate that elliptical, sequential air-cell compression produces greater venous return than alternative pneumatic compression designs.⁶

VenaFlow Elite pressure curve



Slow inflation device pressure curve



Doppler Flow Testing: VenaFlow Elite Demonstrates Higher Femoral Vein Velocity

A bench Doppler case study comparing intermittent pneumatic compression systems.*

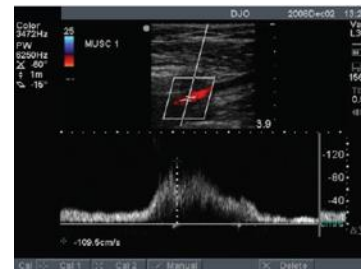
THIGH CUFF:

- Generated approximately 4x higher femoral vein peak velocity than the nearest comparator.
- Achieved peak venous velocity with ~5% of ambulation (dorsi-plantar flexion).

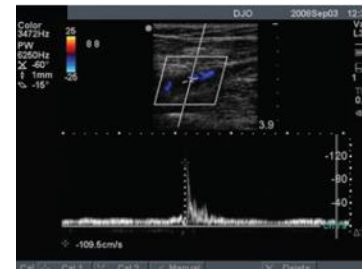
CALF CUFF:

- Generated approximately 3-4x higher femoral vein peak velocity than the nearest comparator.
- Achieved peak venous velocity within ~16% of ambulation (dorsi-plantar flexion).

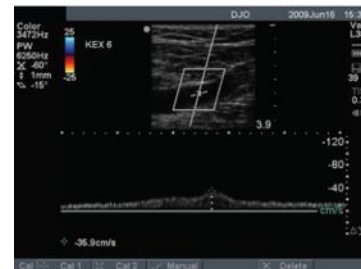
**Data on file at Enovis. Bench Doppler testing in a limited subject sample; results may not directly correlate with clinical outcomes.*



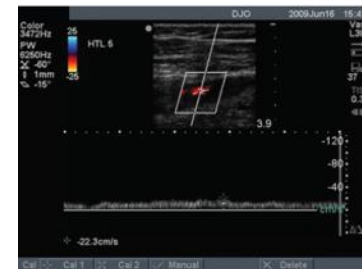
Venous velocity during normal ambulation.



Venous velocity during VenaFlow Elite treatment.



Venous velocity during treatment with Competitor A (slow inflation device)



Venous velocity during treatment with Competitor B (slow inflation/uniform compression device)

Enhanced Comfort Designed to Support Patient Use

~One in two surveyed VAC members rated breathable, lightweight materials as the key elements of patient comfort. *

Made from soft non-woven material, VenaFlow Elite's cuffs—available in calf, foot, and thigh sizes—are breathable and comfortable.

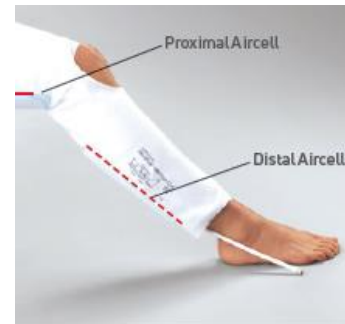
COMPARED TO SELECTED COMPETITOR'S CUFFS, VENAFLW ELITE DEMONSTRATED THE FOLLOWING*:

- **>10X more breathable**
- **More moisture wicking**
- **Weights ~50% less**
- **46% thinner**
- **Softer**

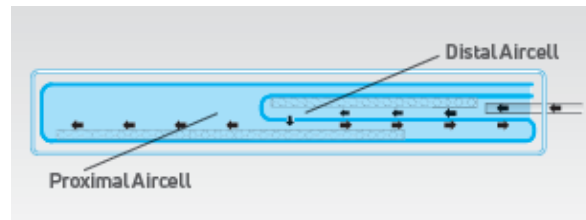
*Survey data on file at Enovis.



Overlapping distal aircell increases venous velocity



Distal aircell inflates first, proximal aircell follows



VenaFlow Elite Cuffs Airflow Sequence

Designed for Clinical Convenience

An intuitive design built on the clinically established VenaFlow® platform.^{6,10}

AUTOMATED FEATURES FOR SIMPLER USE

- Cuff-type detection (all models); and single/dual-leg detection (some models).
- Monitor displays total therapy time.

CLEAR, ACTIONABLE ALERTS

- Alert for kinked, damaged, or disconnected tubes.
- Alert if cuffs are not reapplied after ~15 minutes.
- Low-battery alert (battery units only).
- Call for Service alert for critical component issues.



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2. Eisele R, Kinzl L, Koelsch T: Rapid-inflation pneumatic compression for prevention of deep venous thrombosis. *J Bone Joint Surg Br.*, 2008. *
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4. Gardner AMN, Fox RH. The return of blood to the heart, venous pumps in health and disease. 2nd Ed. London: John Libbey & Company Ltd; 1993.
5. Lachiewicz PF, Kelley SS, Haden LR. Two mechanical devices for prophylaxis of thromboembolism after total knee arthroplasty. *J Bone Joint Surg Am*. 2004.
6. Labropoulos N, Oh DS, Golts E, et al. Improved venous return by elliptical, sequential and seamless air-cell compression. Loyola University Medical Center; 2003.*
7. Praxitelous A, et al. Hemodynamics and tolerability of lower-limb intermittent pneumatic compression devices and neuromuscular stimulation. *Transl Sports Med*. 2018; 1(4): 143-150.
8. Whitelaw G, Oladipo O, Shah BP, et al. Evaluation of pneumatic compression devices. *Orthopedics*. 2001;24(3):257-261.*
9. Liu K, et al. Influences of inflation rate and duration on vasodilatory effect by intermittent pneumatic compression in distant skeletal muscle. *J Orthop Res*. 1999.
10. Juthberg R, Edman G, Ackermann PW. Which leg immobilized patient gains the most from intermittent pneumatic compression in DVT-prevention? *Muscles Ligaments Tendons J*. 2019;9(2):272-281.
11. Centers for Disease Control and Prevention. Impact of blood clots on the United States. CDC; May 15, 2024. Accessed January 27, 2026. <https://www.cdc.gov/blood-clots/toolkit/impact-of-blood-clots.html>.

*Reference refers to VenaFlow

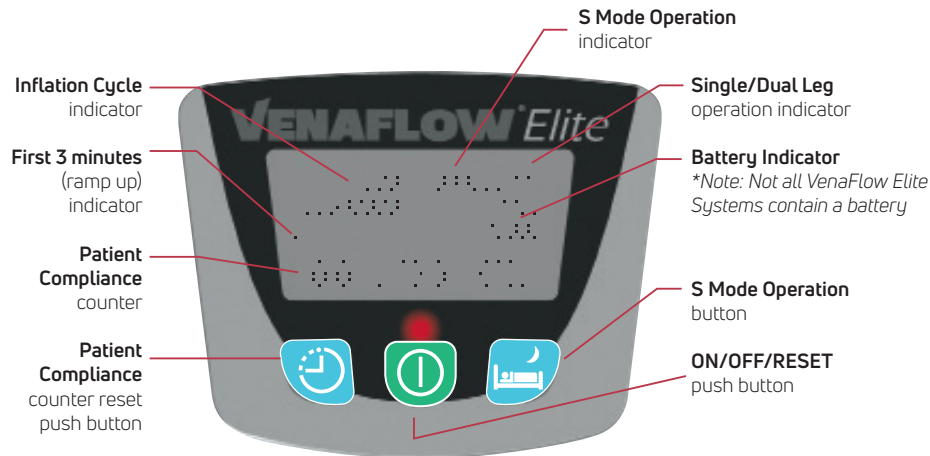
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Individual results may vary. Neither DJO, LLC nor any of the Enovis companies dispense medical advice. The contents of this presentation do not constitute medical, legal, or any other type of professional advice. Information related to various health, medical, and fitness conditions and their treatment is not meant to be a substitute for the advice provided by a physician or other medical professional.

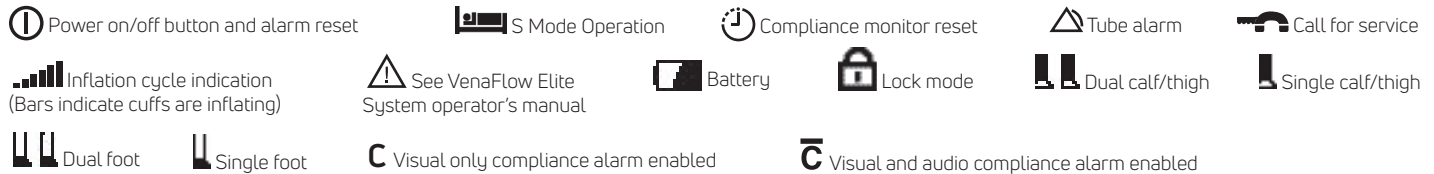


Creating Better Together™

VENAFLOW® ELITE IN-SERVICE GUIDE



Symbol Definitions



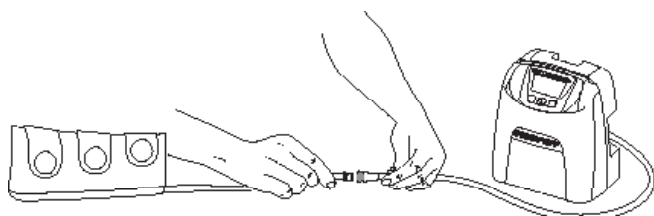
1 Set up Pump

- A:** Press bed hanger release on the back of the pump and gently pull out bed hanger hook to the desired width.
- B:** Connect tubing to the pump.
Plug pump into electrical outlet.



3 Connect System

Connect cuffs to the tubing that is attached to the pump.



2 Apply Cuff

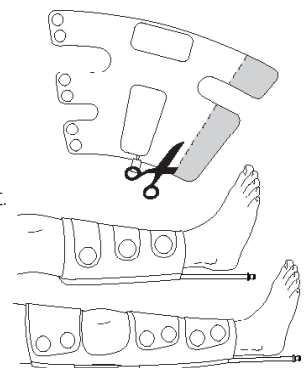
The VenaFlow Elite system will automatically detect the type of cuff and the number of cuffs attached and apply appropriate pressures. Cuffs must be attached prior to powering on the service.

Be sure to secure cuff straps snug but not tight. When using the calf cuff and thigh cuff, rotation of the aircell on the leg does not affect performance of the system.**

Calf or Thigh Cuff:

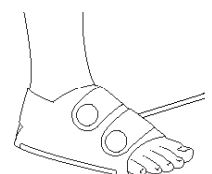
For varied patient sizes, trim for proper, snug fit.

Apply cuff snugly with the tube pointed toward the foot. Aircell can be orientated to patient and nursing preference (posterior, lateral, anterior, or medial).**



Foot Cuff:

Apply foot cuff snugly with the aircell centered on bottom of foot and with the tube pointed to the left. Foot cuffs are only for use in standard rapid mode.



4 Standard Rapid Mode Operation

- Press ON/OFF/RESET button. ①
- Cuff inflation alternates between the two legs every 30 seconds.
- Distal aircell inflates first and the proximal aircell follows.
- Pressures settle at 45mmHg $\pm$ 15%. (Foot Cuff peak ~130 mmHg.)
- After six seconds the cuff deflates.
- Alarm will sound if the system is not functioning properly.

5 S Mode Operation

- When powered on, the VenaFlow Elite System will default to standard rapid inflation mode. If a slower inflation is desired, select the S mode operation .
- Once selected, both cuffs will inflate simultaneously once per minute.
- Both cuffs will inflate and compress for a total of 10 seconds.
- While in S mode the icon  will appear in the top center of the graphical display. The device will remain in S mode until user presses the S mode operation button again. This button allows user to toggle between standard rapid inflation mode and S mode.

6 Locking in Standard Rapid or S Mode

- To lock in standard rapid mode, make sure the device is in standard rapid mode, then press and hold the S mode  button for 5 seconds. Do the same to unlock it.
- To lock in S mode, make sure the device is in S mode and press and hold the S mode button  for 5 seconds. Do the same to unlock it.

Check Tubes Alarm

(Kinked or Disconnected Tube)



Call For Service Alarm

(Ship back to DJO for repair)



Alarm Reset

To reset any alarm, press the center ON/OFF/RESET ① button and take steps to correct the alarm if necessary.

Note: Pressing ON/OFF/RESET following alarm only resets the alarm. The device will continue to run and will not shut down. Alarm will continue at next cycle if not corrected.

enovis

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INSERVICE GUIDE



<https://enovis.com/products/aircast/venaflow-elite-system>

Individual results may vary. Neither DJO, LLC nor any of the Enovis companies dispense medical advice. The contents of this document do not constitute medical, legal, or any other type of professional advice. Rather, please consult your healthcare professional for information on the courses of treatment, if any, which may be appropriate for you.

Intended Use/Indications

The VenaFlow Elite System is an intermittent pneumatic compression device that is intended as a prophylaxis for deep vein thrombosis (DVT) in a clinical setting or in the home. The VenaFlow Elite System is designed to be used only with VenaFlow Elite cuffs.

Contraindications

The VenaFlow Elite System should not be used by persons with known or suspected deep vein thrombosis, severe congestive heart failure, pulmonary edema, thrombophlebitis, severe arteriosclerosis, or active infection. Do not use on extremities which are not sensitive to pain, where cuff will interfere with gangrene, on patients with vein ligation or recent skin grafts, or extreme deformity of the leg. Do not use the VenaFlow Elite System where increased venous or lymphatic return is undesirable.

Warning and Precautions

- The VenaFlow Elite cuffs are designed for single patient use only.
- Risk of explosion if used in the presence of flammable anaesthetics.
- The equipment or system should not be used adjacent to or stacked with other equipment and, if adjacent or stacked use is necessary, the equipment or systems should be observed to verify normal operation in the configuration in which it will be used.
- Medical Electrical Equipment needs special precautions regarding EMC. Portable and Mobile RF Communications Equipment can be affected by other Medical Electrical Devices.
- Cuffs used in combination with warming devices may cause skin irritation. Regularly check for patient comfort, compliance and skin irritation.
- Special attention should be given to those patients with neuropathies or tissue viability problems (i.e. diabetes, arterial or venous insufficiencies).
- To prevent extremity compartment syndrome, special attention should be given to patients who are positioned in the supine lithotomy position for extended lengths of time. This includes patients with or without compression cuff.
- If you experience pain, swelling, sensation changes or any unusual reactions while using this device, consult your medical professional immediately.
- Foot cuffs are only for use in standard rapid inflation mode.
- Ingress of water or liquids could result in unpredictable failures.
- Inspect equipment for obvious damage prior to use.
- Do not walk with tubing connected to cuffs.
- The device should never be opened by anyone other than a trained technician.
- Use of device outside of all recommended specifications could result in unpredictable failures.

Blood Pressure Cuffs for Adult Patients Consumables and Accessories

Our completely new line of Dräger blood pressure cuffs is designed for increased patient comfort, high accuracy and improved ease of use in any clinical setting.

Single patient use cuffs



Reusable cuffs



Benefits

New ergonomic design

The new line of Dräger single patient use and reusable blood pressure cuffs offers an improved design for increased patient comfort and ease of use. The fastening system was redesigned to prevent skin irritation and provide improved flexibility.

Now available in an extended range of colour-coded sizes, they provide an excellent fit – regardless of patient size or age.

A complete portfolio

Dräger cuffs come in nine sizes – from infant up to large adult – and include a specially marked extended range; a support for obese patients. The blood pressure cuffs for neonates are available in five sizes. The colour marking and their design support you when choosing the correct cuff size and ensure that parents and their children feel comfortable.

Regardless of the application, you can find a Dräger blood pressure cuff that can suit your patient needs. These quality cuffs can help you increase your efficiency, support hospital hygiene and improve patient comfort.

Enhanced patient comfort

Our new cuff design features a more anatomical approach for both upper arm and thigh placement – with soft, rounded edges for increased patient comfort and easier handling for caregivers. The hook-and-loop fastening system is positioned to avoid skin contact and irritation – making the cuffs more flexible and comfortable.

Improved patient safety

Accurate blood pressure measurement depends on correct cuff fit. Dräger offers a choice of different cuff sizes for your patients. Dräger cuffs use colour-coding and clearly visible, easy-to-understand symbols to support the correct cuff choice. Dräger cuffs are tested and validated for use with our Dräger Infinity® Patient Monitoring Systems.

Artery, index and range markings are visible on both sides of the cuff to ensure correct positioning. A newly developed Dräger connector, which can be easily opened using one hand, effectively prevents connection errors.

Single patient use cuffs - for hygienic applications

Our single patient use cuffs support hospital hygiene and workflow by providing a disposable cuff solution for applications where the risk of infection or contamination is a factor. These cuffs are ideal for use in emergency wards, operating rooms, and infection or burn units. Because the hook-and-loop fastener attaches directly to the velour surface, the cuffs can be adjusted for maximum comfort and a best possible fit.

Benefits

- Made of durable polyurethane
- Soft velour surface
- Free of Latex, silicone

Reusable cuffs - for conventional applications

For conventional, everyday use – such as in regular wards – we recommend our line of reusable cuffs. Durable and easy to clean, these cuffs are designed to

withstand the rigours of everyday use. Covered with soft, moisture-repellent material, the cuffs feel pleasant to the skin.

- Made of durable polyurethane
- Free of Latex, silicone and PVC
- Soft, curved edges
- Washable and submersible for easy disinfecting

Neonatal cuffs - for use with preemies and neonates

The cuffs for neonates are especially gentle to the baby skin. The new connector of the neonatal cuffs is easy to handle and can easily be opened using one hand. Its design helps to prevent mistaking the cuff with e. g. invasive catheters. Colourful and friendly pictures on the cuffs please children and parents.

- Made of durable polyurethane
- Soft, rounded edges
- Outside of the cuff is wipeable
- Free of latex, silicone and PVC
- Colourful, child-friendly pictures

Ordering Information

Single-patient use cuffs

NBP Cuff XXS	disp., box of 10	Infant	8 – 13 / 13 cm	MP00924
NBP Cuff XS	disp., box of 10	Child	12 – 19 / 19 cm	MP00925
NBP Cuff S	disp., box of 10	Small Adult	17 – 25 / 29 cm	MP00926
NBP Cuff M	disp., box of 10	Adult	23 – 33 / 33 cm	MP00928
NBP Cuff M+	disp., box of 10	Adult Long	23 – 33 / 43 cm	MP00929
NBP Cuff M++	disp., box of 10	Adult Extra	23 – 33 / 53 cm	MP00930
NBP Cuff L	disp., box of 10	Large Adult	31 – 40 / 40 cm	MP00931
NBP Cuff L+	disp., box of 10	Large Adult Long	31 – 40 / 55 cm	MP00932
NBP Cuff XL	disp., box of 10	Thigh	38 – 50 / 50 cm	MP00934

Reusable cuffs

NBP Cuff XXS	reuse	Infant	8 – 13 / 13 cm	MP00911
NBP Cuff XS	reuse	Child	12 – 19 / 19 cm	MP00912
NBP Cuff S	reuse	Small Adult	17 – 25 / 29 cm	MP00913
NBP Cuff M	reuse	Adult	23 – 33 / 33 cm	MP00915
NBP Cuff M+	reuse	Adult Long	23 – 33 / 43 cm	MP00916
NBP Cuff M++	reuse	Adult Extra	23 – 33 / 53 cm	MP00917
NBP Cuff L	reuse	Large Adult	31 – 40 / 40 cm	MP00918
NBP Cuff L+	reuse	Large Adult Long	31 – 40 / 55 cm	MP00919
NBP Cuff XL	reuse	Thigh	38 – 50 / 50 cm	MP00921

Neonatal cuffs, single-patient use

NBP Cuff Neo # 1	box of 10	Neo #1	3 – 6 / 6 cm	MP00901
NBP Cuff Neo # 2	box of 10	Neo #2	4 – 8 / 8 cm	MP00902
NBP Cuff Neo # 3	box of 10	Neo #3	6 – 11 / 11	MP00903
NBP Cuff Neo # 4	box of 10	Neo #4	7 – 13 / 13 cm	MP00904
NBP Cuff Neo # 5	box of 10	Neo #5	8 – 15 / 15 cm	MP00905

Connector Hoses and Adapter

	Size	Part number
NBP Connecting hose, adult	3,7 m	MP00953
NBP Connecting hose, neo.	2,4 m	MP00954
Adapter old hose (1275275) – new connector, box of 10		MP00945

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As of August 2015

Dräger Medical GmbH changes
to Drägerwerk AG & Co. KGaA

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The quality management system at Dräger Medical GmbH is certified according to ISO 13485, ISO 9001 and Annex II.3 of Directive 93/42/EEC (Medical devices).



Dräger Monitoring Accessories and Adapters

Enhancing workflow efficiencies with
a standardized single platform



Dräger Monitoring Accessories and Adapters

Patient transfers between departments often call for switching monitoring accessories to suit different monitoring vendor solutions. Dräger's comprehensive line of disposable and reusable ECG leads, temperature probes, and blood pressure cuffs are multi-vendor adaptable – saving you time on transports and simplifying inventories.

SINGLE ACCESSORIES SOLUTION SUPPORTS CLINICAL WORKFLOW

At Dräger, we have extended our monitoring accessories portfolio to allow for a single solution that moves in and out of care areas – regardless of the monitoring vendor. Dräger offers a complete range of disposable accessories for all patient types in most care areas, including ECG leads, temperature probes, and blood pressure cuffs.

Our monitoring accessories are tested with all Dräger Infinity® patient monitors for accurate and reliable functioning to ensure optimal interaction between device and accessory.

DISPOSABLE ACCESSORIES HELP REDUCE THE RISK OF HOSPITAL-ACQUIRED INFECTIONS

In hospitals today, nosocomial infections are on the rise(1). In addition to the significant morbidity and mortality these can cause, hospital-acquired infections increase the cost of care, while their treatment can give rise to even more resistant strains of microbes(2). In addition, healthcare-associated infections increase the average hospital length of stay by 9.5 days and treatment cost by up to US \$ 15,275(3). These facts make the advantages of disposable, single-patient use accessories obvious.

Our comprehensive line of high quality disposable ECG leads, temperature probes, and blood pressure cuffs can help support the reduction of exposure to infectious agents and the resulting costs.

Dräger disposable accessories optimize workflow efficiency by reducing patient touch-points.

Best of all, single-patient use accessories are manufactured to the same quality standards as our reusable accessories.

DESIGNED TO SUPPORT KEY HOSPITAL INITIATIVES

Regardless of the solution you choose, Dräger supports your goals of improving patient outcomes, reducing costs, and increasing patient and staff satisfaction.

Due to the high quality and compatibility of our accessories, a patient can use a single set of monitoring accessories from admission to discharge – which can improve outcomes by reducing the risk of exposure to infectious agents.

In addition to helping you meet your infection preventive goals, our disposable solutions support cost management due to cost-conscious pricing and limit SKUs because they are multi-vendor adaptable.

In addition, we protect patients and caregivers by using bio-compatible materials that are free of DEHP, BPA, and are not made with natural rubber latex.

ECG Leads and Adapters

Dräger offers a comprehensive portfolio of ECG leads – ranging from single-patient use to reusable ECG leads including the easy-to-use MonoLead®. To simplify your workflow, we also offer adapters that are compatible with the specified ECG trunk cables of other patient monitoring vendors.

INFECTION – AN EVER-PRESENT DANGER

Reusable ECG lead wires can be a pathway for antibiotic-resistant pathogens and a cause of healthcare associated infections(4,5,6,7), prompting the increased use of single-patient use products wherever feasible(8,9) - especially for the most vulnerable patients. Even after disinfection, more than 77% of reusable ECG leads are contaminated with at least one resistant pathogen(10).

Dräger's line of single-patient use ECG lead sets can help you reduce the risk of healthcare-associated infections at your hospital, while reducing the cost of care.

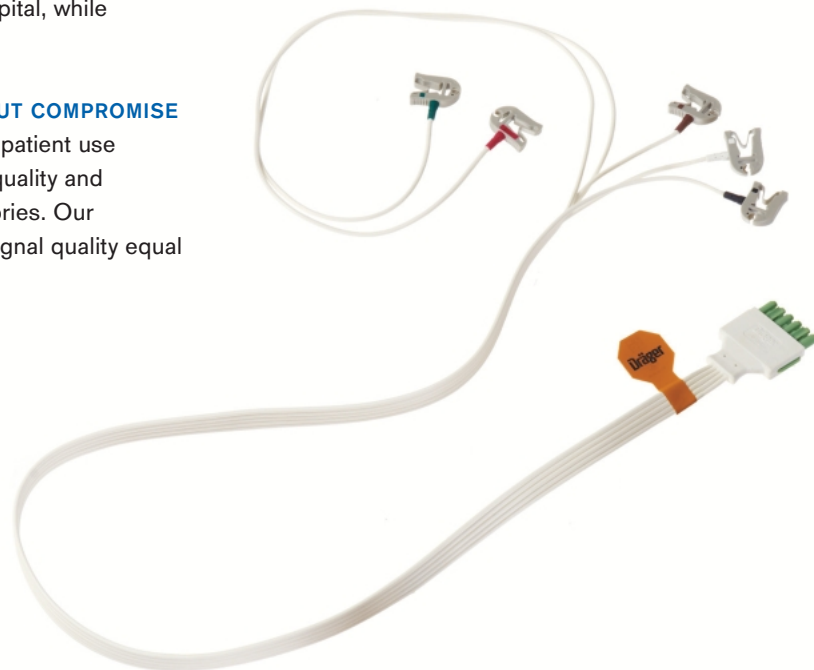
QUALITY AND FUNCTION WITHOUT COMPROMISE

At Dräger, we believe that single-patient use products should offer the same quality and functionality as reusable accessories. Our disposable ECG leads provide signal quality equal

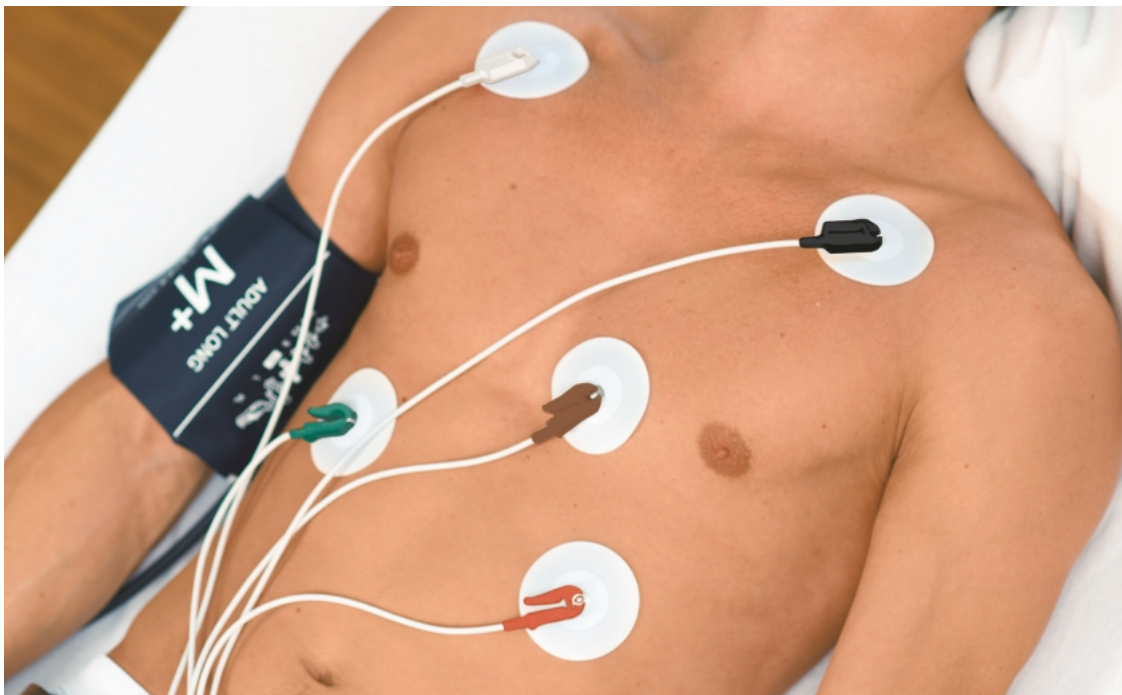
to that of reusable leads and are available in several configurations.

Features include:

- Ribbon cable for more patient and caregiver comfort
- Fast and easy application
- Shielded cables
- 3-, 5- and 6-lead as well as 4-leads sets
- Clearly labeled, AHA/US color-coded patient connectors



D-96900-2013



D-54466-2012



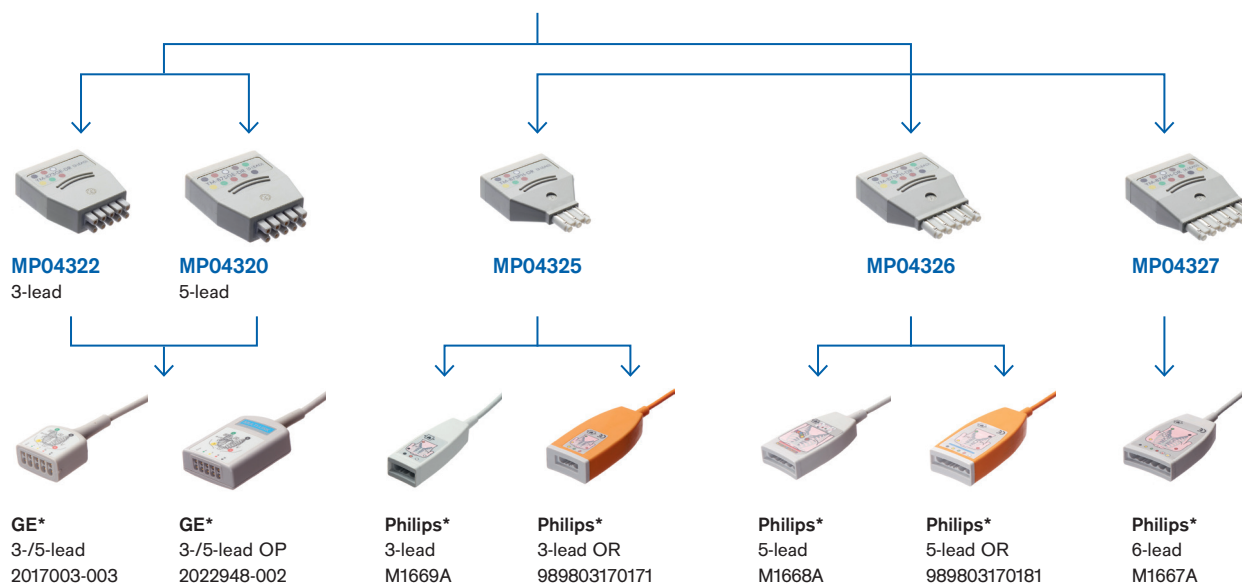
SIMPLIFIED WORK PROCESSES AND COMPATIBILITY

The ECG adapters are compatible with Dräger ECG leads, and the specified ECG trunk cables of other vendors. As a result, you can now take the ECG lead from one department to another and simply reconnect the ECG lead.

HEIGHTENED PATIENT COMFORT USING MONOLEAD

Dräger MonoLead® consists of a single lead, which means no more tangled wires. This leads to more ease for caregivers and more comfort for patients. MonoLead makes the process quick and easy, giving you more time for direct patient care.

Dräger ECG leads

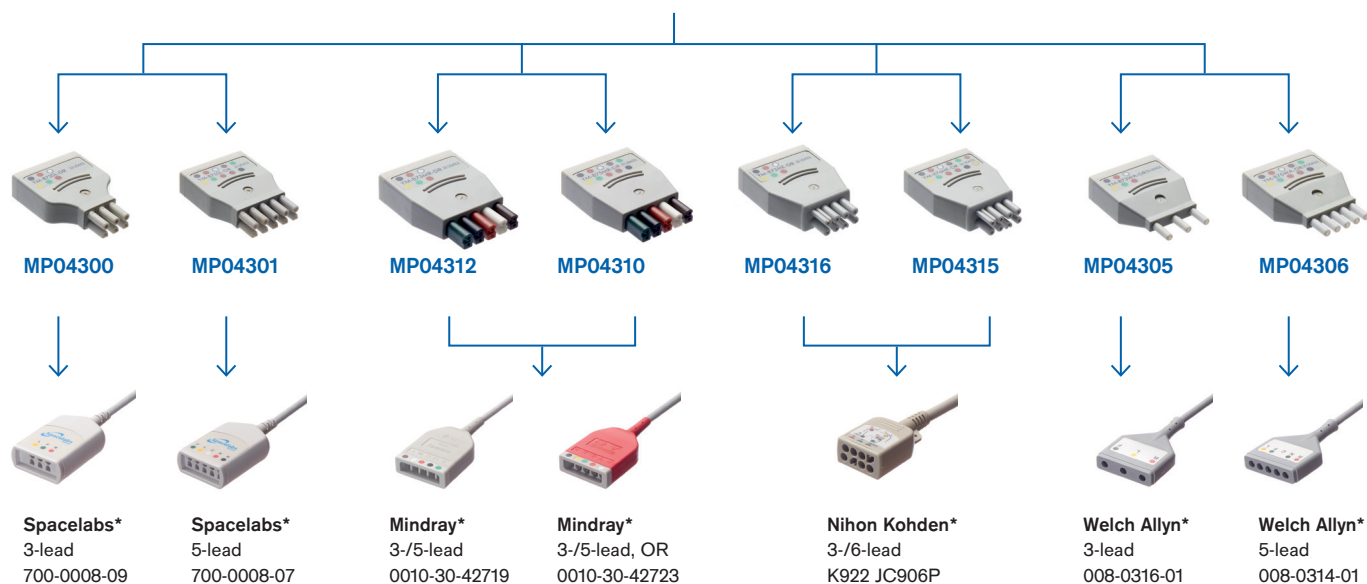


ORDER INFORMATION

Dräger ECG-leads, Single Patient Use, Single Pin Connector	Part no.
ECG Lead, 3-lead, Single Patient Use, (AHA/US color code)	MP00877
ECG Lead, 5-lead, Single Patient Use, (AHA/US color code)	MP00881
ECG Lead, 6-lead, Single Patient Use, (AHA/US color code)	MP03123

Dräger ECG-leads, Reusable, Single Pin Connector	Part no.
ECG 3-lead, IEC2 (AHA color code)	MP03402
ECG 5-lead, IEC2 (AHA color code)	MP03404
ECG 6-lead, IEC2 (AHA color code)	MP03406

Dräger ECG leads



ORDER INFORMATION

Dräger MonoLead®, Single Pin Connector**

Part no.		
ECG MonoLead® 3-lead, IEC2 (AHA color code)	MS14556	ECG Adapter 3-lead Spacelabs
ECG MonoLead® 5-lead, IEC2 (AHA color code)	MS14560	ECG Adapter 5-lead Spacelabs
ECG MonoLead® 6-lead, IEC2 (AHA color code)	MS14682	ECG Adapter 3-lead Welch Allyn
		ECG Adapter 5-lead Welch Allyn

ECG Adapter***

Part no.	
MP04322	ECG Adapter 3-lead GE
MP04320	ECG Adapter 5-lead GE
MP04312	ECG Adapter 3-lead Mindray
MP04310	ECG Adapter 5-lead Mindray
MP04316	ECG Adapter 3-lead NK
MP04315	ECG Adapter 6-lead NK
MP04325	ECG Adapter 3-lead Philips
MP04326	ECG Adapter 5-lead Philips
MP04327	ECG Adapter 6-lead Philips

ECG Trunk Cable***

Part no.	
MP04498	Philips ECG Trunk Cable 3 and 5 lead
MP04499	GE ECG Trunk Cable 3 and 5 lead

* Not supplied by Dräger

** Manufactured by Draeger Medical Systems, Inc.

*** Manufactured by Advantage Medical Cables & Electronics, Inc.



Temperature Probes and Adapters

Dräger offers a wide selection of single-patient use temperature probes for adults and pediatrics. We also offer optional corresponding adapters that are compatible with the temperature connection cables of other patient monitors to standardize your workflow.

BETTER PROTECTION AGAINST INFECTION

Dräger single-patient use temperature probes can help you to reduce the risk of nosocomial infections. This not only makes complying with all hygiene regulations easier, but also simplifies the care process and helps to reduce costs involved in treating HAIs.

COMPATIBILITY SIMPLIFIES CLINICAL WORKFLOW

All Dräger temperature probes are tested and validated for use with our Dräger Infinity® monitoring systems. In addition, Dräger adapters are compatible with the Dräger temperature probes and the specified temperature connection cables of other vendors. As a result, you can now take a temperature probe from one department to another and simply reconnect the probe.

QUALITY AND FUNCTIONALITY WITHOUT COMPROMISE

Dräger temperature probes are available as general purpose temperature probes in different lengths and circumferences for use with adult or pediatric

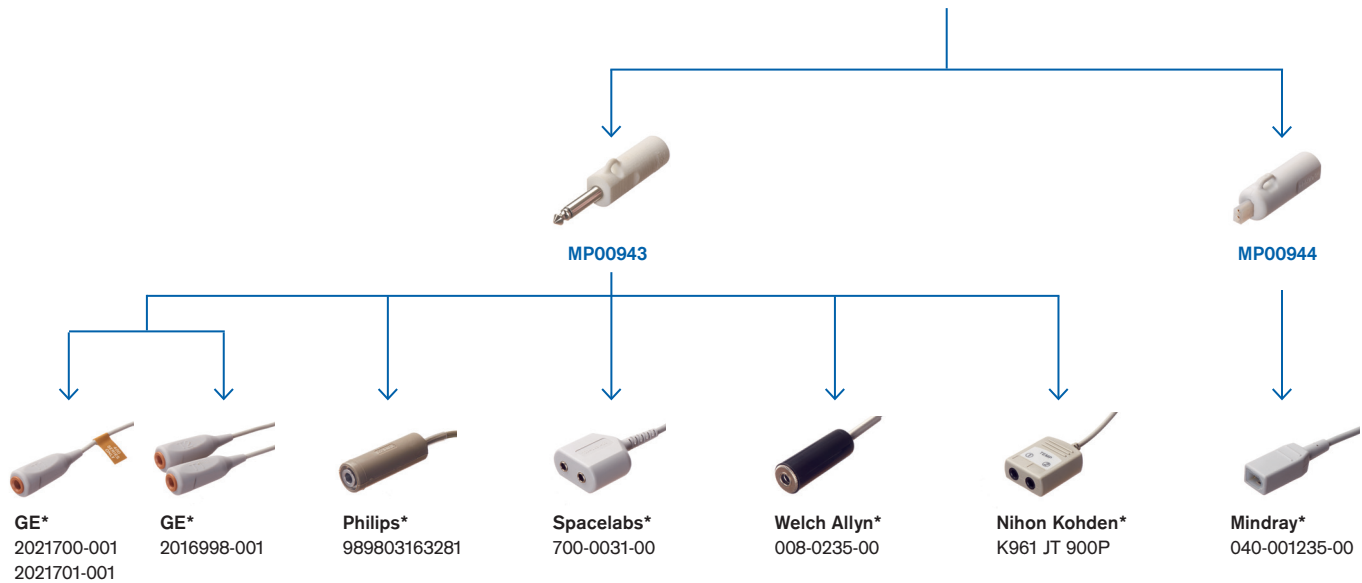
patients. We also offer skin temperature probes in different lengths and diameters for use with adult, pediatric and neonatal patients.

IMPROVED PATIENT COMFORT AND INJURY PREVENTION

Dräger disposable temperature probes are made of skin-friendly materials. The smooth edges and shape help reduce the risk of injuries and maximize patient comfort:

- Either side of the skin probe can be applied to the patient, thus minimizing the risk of incorrect probe application
- The cable at the patient end of the skin probe is not twisted, minimizing the risk of leaving pressure marks on the patient's skin
- Markings on general purpose probes indicate the level of insertion
- Smooth transition from sheath to wire

Dräger Temperature Probes



ORDER INFORMATION

Temperature probes, single patient use	Part no.	TEMP Adapter	Part no.
Disp temp probe, adt, 1.6 m / 5 ft	MP 00 991	TEMP adapter, jack connector, box of 5	MP 00 943
Disp temp probe, adt, 3 m / 10 ft	MP 00 992	TEMP adapter, 2-pin connector, box of 5	MP 00 944
Disp temp probe, ped 1.6 m / 5 ft	MP 00 993		
Disp temp probe, ped 3 m / 10 ft	MP 00 994		
Disp temp probe skin, adt, 1.6 m / 5 ft	MP 00 995	Cover for skin temperature probe	Part no.
Disp temp probe skin, adt, 3 m / 10 ft	MP 00 996	ThermoPad, Hydrogel, disposable, 50 pcs.	MX 11002
Disp temp probe skin, ped, 1.6 m / 5 ft	MP 00 997		
Disp temp probe skin, ped, 3 m / 10 ft	MP 00 998		

* Not supplied by Dräger

Non-invasive Blood Pressure Cuffs and Adapters

Dräger offers a portfolio of non-invasive blood pressure (NBP) cuffs to support all patient types and sizes. Regardless of the application, these quality cuffs can help increase efficiency, support hospital hygiene, and improve patient comfort.

SUPPORTS INFECTION CONTROL

Dräger single-patient use cuffs can help you reduce the risk of nosocomial infections, thereby reducing the costs involved to treat such infections and meeting hospital guidelines for infection avoidance. These cuffs are ideal for applications where the risk of infection or contamination is a greater factor, such as emergency departments or burn units.

DESIGNED TO SUPPORT PATIENT SAFETY

Accurate blood pressure measurement depends on correct cuff fit. That's why Dräger cuffs use color-coding and clearly visible, easy-to-understand symbols and markings to support the correct cuff choice and cuff positioning. Our easy-to-use Dräger connector system, which can be simply opened using one hand, effectively prevents connection errors for a variety of monitoring systems, including those with invasive catheters.

COMPATIBILITY AND STANDARDIZATION

Dräger cuffs are tested and validated for use with Dräger Infinity monitoring systems. In addition, the Dräger NBP adapters can now be used to connect Dräger NBP cuffs and NBP connecting hoses of non-Dräger patient monitors. Your workflow will become smoother with a hospital-wide standardization of monitoring accessories.

NEW ERGONOMIC DESIGN ENHANCES PATIENT COMFORT

Our cuff design features a more anatomical approach for both upper arm and thigh placement – with soft, rounded edges for increased patient comfort and easier handling for caregivers. The hook-and-loop fastening system is positioned to avoid skin contact and irritation – making the cuffs more flexible and comfortable.

Because the fastener attaches directly to the velour surface, the cuffs can be adjusted for maximum comfort and best possible fit. Made of durable polyurethane, the cuffs have a soft velour surface, are free of silicone and PVC and are not made with natural rubber latex.

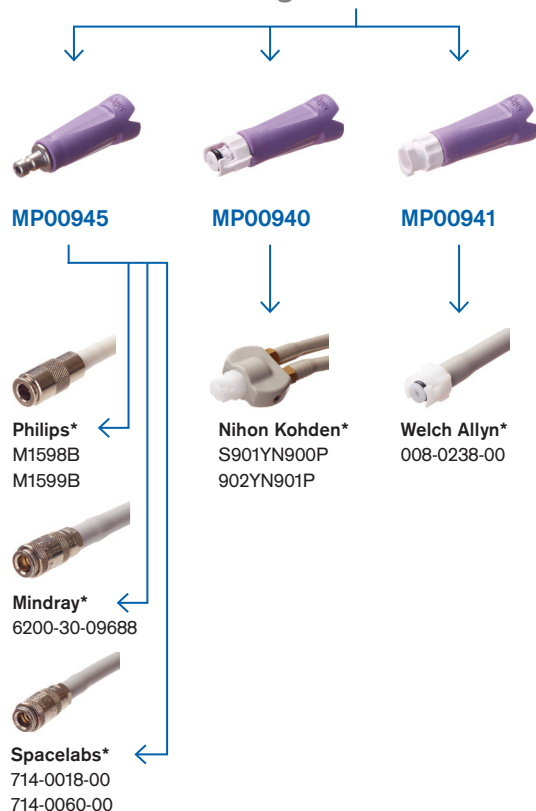


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A COMPLETE PORTFOLIO SUPPORTS ALL PATIENT TYPES

Dräger cuffs come in nine sizes – from infant up to large adult – and include a specially marked extended range to support obese patients. The color markings and their design help you choose the correct cuff size and ensure that patients are comfortable.

Dräger NBP Cuffs



* Not supplied by Dräger

ORDER INFORMATION

Adapter	Part no.
NBP Adapter, Nihon Kohden	MP00940
NBP Adapter, Welch Allyn	MP00941
NBP Adapter, Philips, Spacelabs, Mindray	MP00945

Single-patient cuffs	Part no.
NBP Cuff XXS	MP00924
NBP Cuff XS	MP00925
NBP Cuff S	MP00926
NBP Cuff M	MP00928
NBP Cuff M+	MP00929
NBP Cuff M++	MP00930
NBP Cuff L	MP00931
NBP Cuff L+	MP00932
NBP Cuff XL	MP00934

Reusable Cuffs	Part no.
NBP Cuff XXS	MP00911
NBP Cuff XS	MP00912
NBP Cuff S	MP00913
NBP Cuff M	MP00915
NBP Cuff M+	MP00916
NBP Cuff M++	MP00917
NBP Cuff L	MP00918
NBP Cuff L+	MP00919
NBP Cuff XL	MP00921

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Medtronic

Compatible components reference card

Model 5392 EPG
Dual-chamber temporary pacer



Surgical cables

Model		Type	Channel	Length
	5487L	Disposable	A or V	12 ft
	5832S	Reusable	A or V	12 ft
	5833SL	Disposable	A or V	12 ft

L = Long, S = Small Clip, A = Atrial, V = Ventricle

Patient cables

Model		Type	Channel	Length
	5492AL	Reusable	A	12 ft
	5492VL	Reusable	V	12 ft
	5846AL	Disposable	A	12 ft
	5846VL	Disposable	V	12 ft

L = Long, S = Small Clip, A = Atrial, V = Ventricle

Other

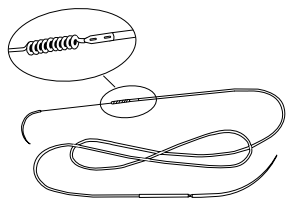
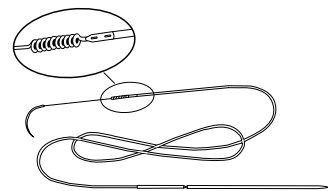
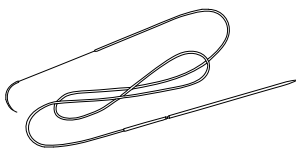
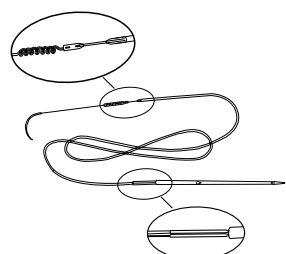
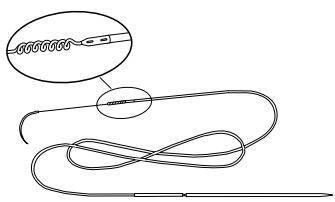
Model	Type
	53922 Disposable cover
	53921GLBL IV pole
	53923 Carrying case

L = Long, S = Small Clip, A = Atrial, V = Ventricle



Patient cables

StreamLine™ pacing leads (heart wires)

Model		Type	Size
	6491F	Unipolar, pediatric	19 mm
	6492F	Unipolar, atrial	25 mm
	6494F	Unipolar (2 per pack)	16 mm
	6495F	Bipolar, coaxial	22 mm
	6500F	Unipolar, premium	16 mm

L = Long, S = Small Clip, A = Atrial, V = Ventricle



Brief Statement

Model 5392 Dual Chamber Temporary Pacemaker

Intended Use: The Medtronic Model 5392 dual chamber temporary pacemaker is intended to be used in conjunction with a cardiac pacing lead system for temporary single or dual chamber pacing in a clinical environment by trained personnel. The temporary pacemaker can be used where short-term demand (synchronous) or asynchronous pacing is indicated for therapeutic, prophylactic, or diagnostic purposes. The temporary pacemaker must be used in an environment where the patient is monitored continuously to ensure that it is operating properly and delivering appropriate therapy to the patient.

Contraindications: There are no known contraindications to the use of temporary pacing as a means to control the heart rate. The patient's age and medical condition, however, may dictate the type of temporary pacemaker and lead system used by the physician. Pacing modes which allow sensing in the atrium to trigger a ventricular response are contraindicated in the presence of rapid atrial arrhythmias such as atrial fibrillation or atrial flutter. Atrial pacing is ineffective in the presence of atrial fibrillation or flutter. Single chamber atrial pacing is contraindicated in the presence of AV conduction disorders. Asynchronous pacing is contraindicated in the presence of intrinsic cardiac rhythms. Atrial high-rate burst pacing therapy is intended for use in the atrium only. High-rate burst pacing in the ventricle may result in life-threatening arrhythmias. The temporary pacemaker is MR Unsafe.

Warnings/Precautions: Monitor the patient continuously while the temporary pacemaker is in use to ensure it is operating properly and delivering appropriate therapy to the patient. ECG monitoring should be in use and defibrillating equipment should be placed on standby and be kept immediately available during pacing lead insertion, pulse generator connection and adjustment, measurements of stimulation thresholds or sensed potentials, and application of antitachycardia burst therapy. Use of high rates in the atrium may result in accidental conduction to the ventricle. Defibrillation equipment should be kept immediately available during high-rate pacing.

Operational failure of the temporary pacemaker can occur as the result of battery depletion, mishandling, or random component failure. Complications related to the use of temporary external pacemakers such as the Model 5392 include, but are not limited to, asystole following abrupt cessation of pacing, inhibition, and reversion. Potential complications related to the use of pacing lead systems with the Model 5392 include, but are not limited to, myocardial irritability resulting in fibrillation, infarction, pericarditis, rejection, muscle and nerve stimulation, and infection. Complication related to inhibition or reversion of the pacemaker in the presence of strong electromagnetic interference.

Whenever possible, for the safety of the patient, disconnect the temporary pacemaker from the implanted lead system before defibrillating or cardioverting. Excessive defibrillation energy can damage the temporary pacemaker. This can result in a large current flowing through the implanted lead system and temporary pacemaker, which could reduce intended defibrillation energy delivered to the patient or cause myocardial damage.

A lead with extension cable constitutes a direct, low-resistance current path to the myocardium. During connection and testing procedures, only battery-powered instrumentation should be used. Extreme caution must be taken to properly ground all line-powered equipment used in the vicinity of the patient. Electrosurgical units can cause tachyarrhythmias by inducing current on the leads.

Improper connection, displacement, or fracture of leads or cables may result in pacemaker system failure. Inspect leads and cables for damage before each use. The pacing lead system may cease to function at any time due to improper connections or lead-related problems such as displacement or fracture.

Do not modify the temporary pacemaker. Modifications could impact the temporary pacemaker effectiveness and adversely affect patient safety.

See the device manual for detailed information regarding the procedure, indications, contraindications, warnings, precautions, and potential complications/adverse events. For further information, please call Medtronic at 800-328-2518 and/or consult the Medtronic website at medtronic.com.

Caution: Federal law (USA) restricts this device to sale by or on the order of a physician.

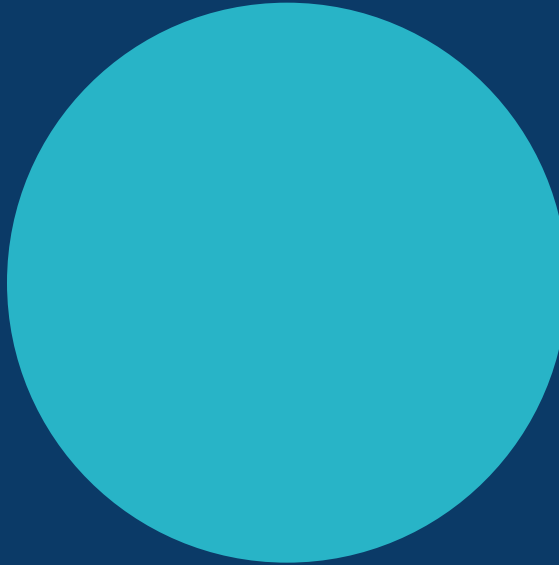
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REHABILITATION, MOBILITY & PATIENT SUPPORT

Manufacturer brochures, specifications, and product literature curated for VA, hospital, clinic, laboratory, and healthcare facility requirements.



Mobile Shower Commode Chairs

Raz ... nothing else
comes close!



Raz-CAT



Raz-ART



Trakz-AT

The Raz Advantage

Seats

The seat is the most important component of a Mobile Shower Commode Chair (MSCC). Raz has the largest selection of seats offered by any MSCC manufacturer: we offer 22 off-the-shelf models as well as custom.



IPAS (Ischial Pelvic Alignment System)

Raz seats are easily removable for cleaning and interchangeability. Our proprietary mounting brackets allow our seats to be adjusted fore / aft within a 2" range. These adjustments are critical for optimal alignment of the ITs within the aperture (commode opening). (see [Accessories Brochure](#))

Frame Sizes and Configurations

• AT:	5 widths, 2 lengths and 2 height ranges	• AT600:	5 widths
• AP/SP:	4 widths, 2 lengths and 2 height ranges	• AP/SP600:	5 widths
• CAT:	3 widths		
• ART:	1 width, 1 length and 2 height ranges		
• Züm:	1 width, 1 length		



Super-Low AT (5" lower)



Options and Accessories

Raz has the largest selection of options and accessories to create the optimal MSCC configuration. (see [Accessories Brochure](#))

Modular Construction

Our design philosophy centers around the principle of modularity. Raz MSCCs can be configured to accommodate the client's medical condition and functional needs.



34"W AP600



Sacral Relief

Custom Solutions

When standard configurations don't meet specific needs, Raz will engineer and fabricate unique solutions including seats, frames and accessories.



SP Axle

Raz-AT Attendant Tilt



- 40° tilt range
- Gas struts help lift client out of tilt
- 5 widths and 2 depths
- 4 back heights (15" / 17" / 20" / 24")
- Adjustable back angle (90° / 97°)
- Height-adjustable frame (21"-25")
- Super-Low frame available (16"-20")
- 8° or 15° of anterior tilt
- Tilt Limiters available (no charge)
- Stainless steel frame



Pressurized Gas Struts

407
lbs

Weight Capacity

Recline Module

- Available for Raz-AT / CAT / AP / SP
- 30° recline range (tilt limited to 25°)
- 2 reclining back heights (20" / 24")
- 2-Point Reclining Arms are standard
- Gas struts help lift client out of recline



Raz-CAT Compact Attendant

... for growing kids and small adults!

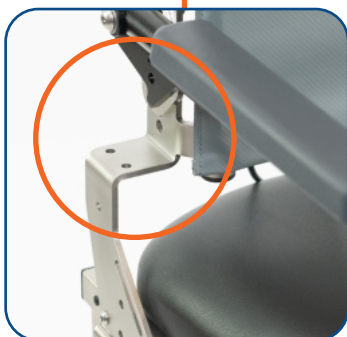
- 3" shorter seat and base frames vs. Raz-AT
- Growable via modular back frames:
 - 3 back widths: 14" / 16" / 18"
 - 2 back heights: 15" / 18"
 - Seat depth adjusts from 11"-16"
- 40° tilt range
- Adjustable back angle (90° / 97°)
- Height-adjustable frame (21"-25")
- Seat with unique, tapered, oblong aperture
- Optional Recline Module
- Stainless steel frame



Standard CAT Seat
Tapered, oblong aperture
(3.5"W at front and 4.5"W at rear).
Aperture width increases as the
seat depth increases.



3" shorter base frame
length vs. Raz-AT



Depth-Adjustable "Reach-Over" Back Frame

- Exclusive to Raz
- Allows for back frame to be narrower than seat frame
- Arm supports can be positioned optimally for trunk width of client
- Seat depth range 11"-16"
- 10" arm support lengths available for shorter seat depths (13" is standard)



Raz-ART Attendant Rotational Tilt

... the ART of tilt!

- 40° tilt range
- Patented dual-arc tilt geometry for the lowest possible tilt effort
- Patented tilt locking system
- Small footprint for exceptional maneuverability
- Invertible base frame provides 2 ranges of tool-less height adjustment
- 4 back heights (15" / 17" / 20" / 24")
- Adjustable back angle (90° / 97°)
- Back support can be moved fore / aft within 3" range
- Compatible with all standard 18"W seats
- Lightweight aluminum frame



Patented, Dual-Arc Tilt Geometry maintains a near-constant location of the center of mass (CoM), which greatly reduces tilt effort.



Invertible Base – Low Range (20"-23" STF)



Invertible Base – High Range (24"-27" STF)



Innovative Cable Management System



Dual-trigger operation on one side

Raz-AP Attendant Propel



- 4 widths and 2 depths
- Unrestricted front and side access
- 4 back heights (15" / 17" / 20" / 24")
- Adjustable back angle (90° / 97°)
- Tool-less height adjustment range (20"-24")
- 4 dual-locking casters
- Uses same frame as Raz-SP
- Stainless steel frame
- Optional reclining frame
- Optional longer frame



Recessed, dipped front cross tube allows for better toilet bowl access and facilitates standing-pivot transfers.



Unrestricted Side Access



Weight Capacity

Raz-SP Self Propel



Adjustable Axle Plate



Ergonomic Handrim with thumb groove and finger notches.

- Center-of-mass adjustable axle plate (3" range)
- 22" or 24" wheels with ergonomic handrims
- 4 widths and 2 depths
- Unrestricted front and side access
- 4 back heights (15" / 17" / 20" / 24")
- Adjustable back angle (90° / 97°)
- Height adjustment range (20"-24")
- Super-Low frame available (16"-18")
- Uses same frame as Raz-AP
- Stainless steel frame
- Optional reclining back
- Optional longer frame

407
lbs
Weight Capacity

Trakz Tub Sliders

Trakz-AT Attendant Tilt



- 35° of rotational tilt (Trakz-AT only)
- Patented Zbrilok® safety latch system
- 7 bridge lengths plus custom
- Removable, contoured soft seat pad
- Aluminum construction
- Tool-less installation

Also available Trakz-AP (non-tilting)

352
lbs
Weight Capacity

Trakz Tub Sliders

Features



- Contoured for pressure reduction and pelvic stability
- Soft integral-skin foam for comfort and durability
- Available with open or bridged front – Size: 18"Wx17"D
- Removable seat pad for ease of cleaning

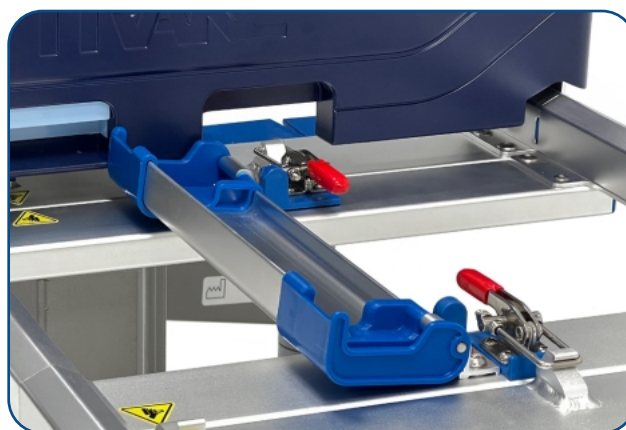


Tool-less horizontal stabilizer adjustments on the tub base to simplify alignment and leveling thereby reducing set-up time significantly.



Zbrilok® cover closed

Zbrilok® prevents the seat and user from moving onto the bridge unless the bridge is securely latched to both the tub base and the mobility base. By ensuring that all three rail sections (mobile base, bridge and tub base) are securely connected, unintended falls onto the floor or into the tub can be prevented.



Zbrilok® latches



35° of rotational tilt – This is enough tilt to allow the client's feet to clear the tub wall, which reduces the effort for the caregiver.



Dual triggers - This reduces the effort required to tilt the chair, allowing for single-handed activation.



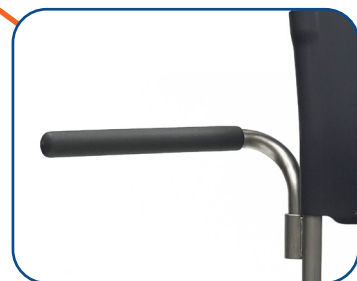
Optional: Base for step-in shower stalls includes vertical stabilizers rather than horizontal stabilizers used in a tub.

Züm-AP Attendant Propel

Folding Frame



- Folds for storage and transport
- Removable back assembly with vinyl upholstery
- Removable cane handles
- Removable wrap-around arms
- Unrestricted side access
- 17 seats plus custom available
- Uses same frame as Züm-SP
- Aluminum frame
- Travel Kit available with tool-less disassembly / re-assembly



Swing-away, removable, wrap-around arm supports



Removable cane handles



Züm Cross Braces

Designed with a forward arch and low pivot point to allow the Züm to be positioned fully over a toilet.



Travel case available for both models. Wheel bag for SP only.



Weight Capacity

Züm-SP Self Propel Folding Frame

- Folds for storage and transport
- 22" or 24" wheels with Quick-Release Axles
- Center-of-mass adjustment (3 positions, 2" range)
- Removable back assembly with vinyl upholstery
- Removable cane handles
- Removable wrap-around arms
- Wheel locks (quick-release, removable)
- Unrestricted side access
- 17 seats plus custom available
- Uses same frame as Züm-AP
- Aluminum frame
- Travel Kit available with tool-less disassembly / re-assembly



The axle receiver can be positioned for 22" or 24" wheels and can be placed in 3 different fore / aft positions for center-of-mass adjustment. The Züm-SP can also be configured to accept client's own wheelchair wheels.



Züm-SP disassembled

352
lbs

Weight Capacity

RazBari Bariatric Chairs

Raz-AT600 Attendant Tilt



- WASS – Weight Assist Spring System
- 25° tilt range
- 5 widths (22" / 24" / 26" / 28" / 30")
- Adjustable back angle (90° / 97°)
- Back frame adjustable fore / aft (3" range)
- Gluteal shelf accommodation
- Height-adjustable
- 6" dual-locking casters
- Stainless steel frame



WASS counterbalances the user's weight to facilitate tilt. Unlike battery-powered MSCCs, the AT600 never needs charging and is always ready for use!



Transferring Into a Non-Tilting Chair



Transferring Into a Raz-AT600

605
lbs
Weight Capacity

The tilting feature of the Raz-AT600 allows for safer transfers when using a mechanical lift. The image above left shows a transfer into a non-tilting chair, which results in the client perched on the front edge of the seat. This is a potentially dangerous situation that can be avoided by using a pre-tilted AT600. Also, having the client on a tilted seat facilitates repositioning.

1000-lb capacity available
for all **RazBari** models

1000
lbs

Raz-AP600

Attendant Propel



Gluteal Shelf Accommodation

Lower bend in back canes and tension-adjustable upholstery are standard on all Raz bariatric chairs.

- Gluteal shelf accommodation
- 5 widths (22" / 24" / 26" / 28" / 30")
- Unrestricted front and side access
- Adjustable back angle (90° / 97°)
- Back frame adjustable fore / aft (2" range)
- Tool-less height adjustment (19"-23")
- 5" dual-locking casters (6" optional)
- Stainless steel frame

Raz-SP600

Self Propel

- Gluteal shelf accommodation
- 5 widths (22" / 24" / 26" / 28" / 30")
- Center-of-mass adjustable axle plate
- Unrestricted front and side access
- Adjustable back angle (90° / 97°)
- Height-adjustable
- 5" dual-locking casters (6" optional)
- Stainless steel frame

24" heavy-duty wheels with ergonomic handrims and stainless steel precision bearings.



605
lbs

Weight Capacity

Raze Transfer Tub Bench

Raised Toilet Seat



Over-toilet frame, back support with wrap-around arm supports



Over-toilet frame

- Light-weight aluminum frame
- Accepts all 18"W Raz seats
- Legs rotate in 30° increments
- Tool-less assembly / disassembly
- Tool-less adjustments

Optional:

- Back Support w/ swing-away arm supports (10" or 13" pads)
- Transfer surface for tub use

352
lbs
Weight Capacity

Zwim

Pool Chair



- Corrosion-resistant aluminum frame
- Ideal for chlorinated environments
- Self Propel with 24" wheels
- Contoured seat with drainage slot

- Molded vinyl back upholstery
- Locking, flip-up arm supports
- Adjustable, swing-away foot supports
- 5" dual-locking casters

330
lbs
Weight Capacity



Raz Design Inc.

Toronto, Canada

www.razdesigninc.com

Contact Info

info@razdesigninc.com

Canada and USA: 1 (877) 720-5678

International: +1 (416) 751-5678

A special thanks to:
Stephanie Tanguay, OT/L, ATP,
Clinical Education Specialist, Matrx Seating
for suggesting the name **RazBari**



MAX Series

C-arm Table by Surgical Tables, Inc



Easy c-arm access

500 lb weight capacity

2" patient comfort pad

Light weight and easy to move

24" wide top

Made in the USA

Standard Accessories:

Hand Control



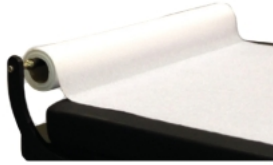
Patient Straps



Optional Accessories



Standard Side Rails



Paper Roll



Foot Control

*Streamline 1, 2, & 3 require upgrade to use both hand and foot controls simultaneously



Modular Side Rails



Surgical Arm Boards

*Require side rails



Procedural Arm Boards

Configurations/Specifications

MAX-ERCP Series

MAX4-ERCP

Height 30"-40"
Lateral Tilt 17°
Trendelenburg 13°
Longitudinal Travel 16"

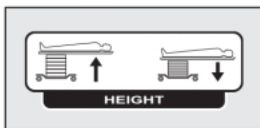
MAX5-ERCP

Height 33.5-43.5"
Lateral Tilt 17°
Trendelenburg 13°
Longitudinal Travel 16"
Lateral Travel 10"

Standard MAX Series

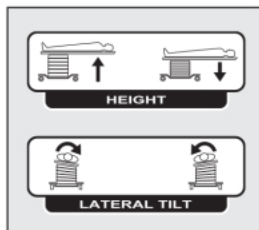
MAX 1

Height 28"-38"



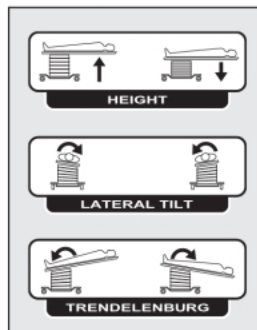
MAX 2

Height 28"-38"



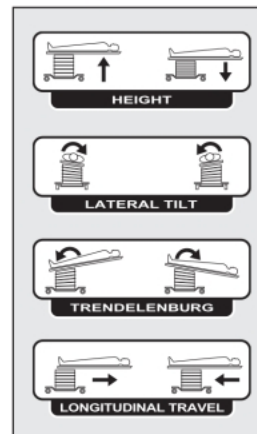
MAX 3

Height 28"-38"



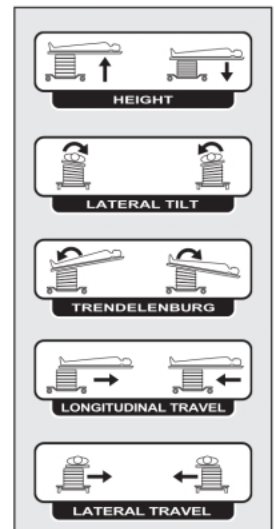
MAX 4

Height 30"-40"



MAX 5

Height 33.5"-43.5"



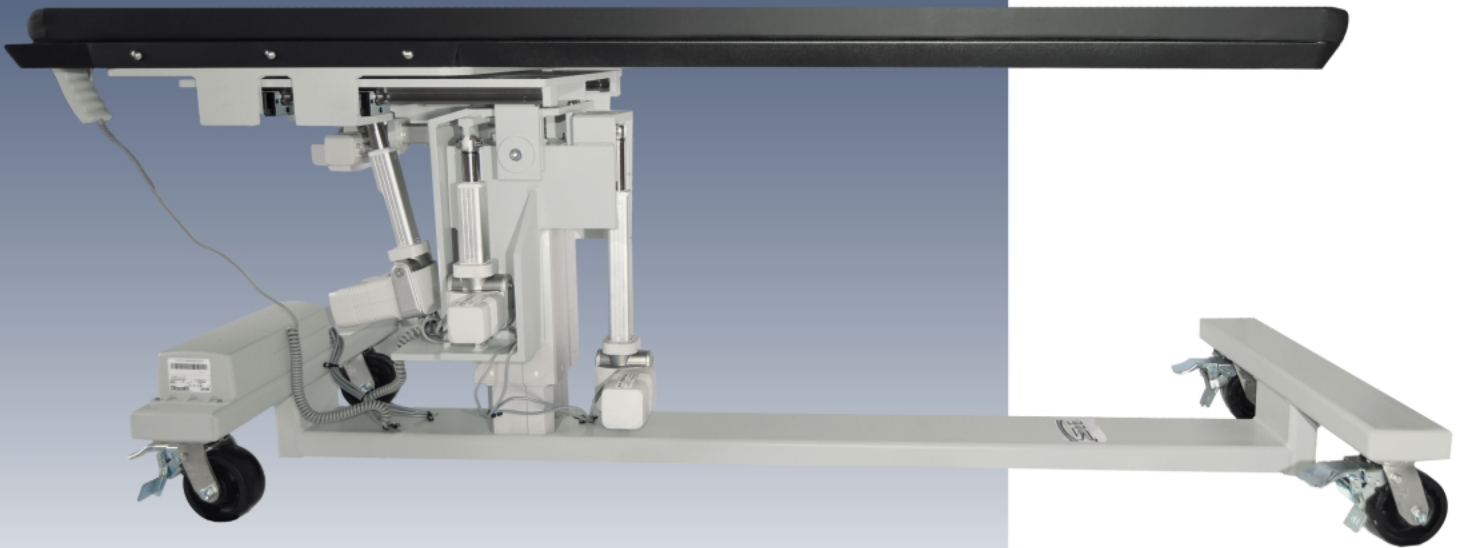
Surgical Tables, Inc

2 DeBush Ave Unit C3
Middleton, MA 01949 USA
888-737-5044/978-777-4031
sales@surgicaltables.com
www.surgicaltables.com

500 lb weight limit
Tabletop: 84"L x 24"W
120V/60Hz or 230V/50Hz
5" Locking Swivel Castors
2" Thick Mattress
Lateral Tilt: 17°
Trendelenburg: 13°
Longitudinal Travel 10"
Lateral Travel: 10"
Table Dimensions: 86"L x 26"W

Streamline Series

Pain Management C-arm Table
by Surgical Tables, Inc.



Easy c-arm access

500 lb weight capacity

2" patient comfort pad

Lightweight and easy to move

24" wide top

Made in the USA

Standard Accessories:

Hand Control

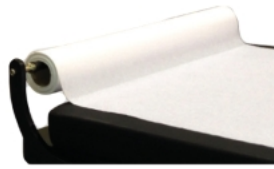
Patient Straps



Optional Accessories



Standard Side Rails



Paper Roll



Foot Control

*Streamline 1, 2, & 3 require upgrade to use both hand and foot controls simultaneously



Modular Side Rails



Surgical Arm Boards

*Require side rails



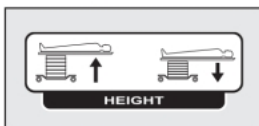
Procedural Arm Boards



Configurations/Specifications

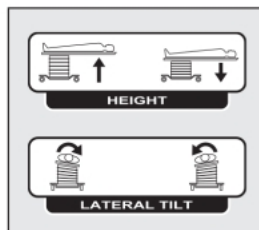
Streamline 1

Height 28"-38"



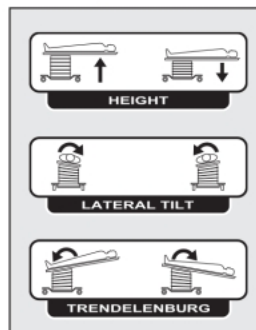
Streamline 2

Height 28"-38"



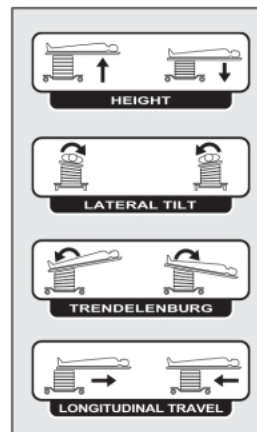
Streamline 3

Height 28"-38"



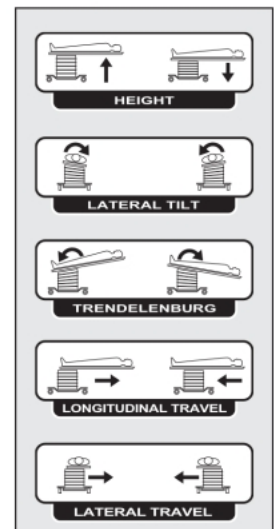
Streamline 4

Height 30"-40"



Streamline 5

Height 33.5"-43.5"



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500 lb weight limit
Tabletop: 84"L x 24"W
120V/60Hz or 230V/50Hz
5" Locking Swivel Castors
2" Thick Mattress
Lateral Tilt: 17°
Trendelenburg: 13°
Longitudinal Travel 10"
Lateral Travel: 10"
Table Dimensions: 86"L x 26"W

Surgical Tables, Inc

Accessory Catalog



All Modalities

Modular Side Rails

Part # **MSRS**

6" side rail that clamps anywhere on the head end of the table. Side rail is a standard size and can hold many different accessories.



Surgical Arm Boards

Part # **S-ARM**

Radiolucent Arm board which clamps onto a side rail (MAX-SIDERAIL or MSRS). Trigger style, swivels 180°. Side rails are required to clamp these onto the table.



Procedural Arm Boards

Part # **P-ARM**

One-piece radiolucent arm board set that slides under the table pad. Trigger style, swivels 180°, includes 2 arm boards.



Fixed Side Rails

Part # **MAX-SIDERAIL**

24" standard size side rail which affixes to the tabletop at the base end of the table.



Foot Control

Part # multiple

Foot Control - see product brochure for more information

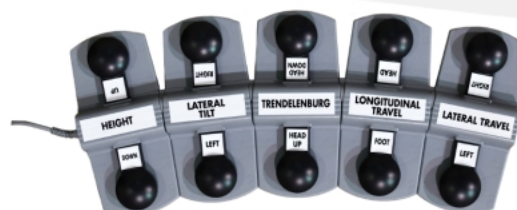


Table Drapes

Top	Part #	Description
24" wide	AX-SST-4828 AX-DST-4828	Table Skirt 48 x 28 Single Sided Table Skirt 48 x 28 Double Sided
24" wide	AX-SST-3628 AX-DST-3628	Table Skirt 36 x 28 Single Sided Table Skirt 36 x 28 Double Sided
24" wide	AX-ST100-28	Front Panel Drape 24 x 28
27" wide	AX-SST-4828 AX-DST-4828	Table Skirt 48 x 28 Single Sided Table Skirt 48 x 28 Double Sided
27" wide	AX-SST-3628 AX-DST-3628	Table Skirt 36 x 28 Single Sided Table Skirt 36 x 28 Double Sided
27" wide	AX-ST100-28	Front Panel Drape 27 x 24

0.5mm Pb
Fluid resistant
Easy to clean
Attach to table without tape
No damage to tabletop
Easily removed/replaced



Urology

★ Sold separately or together as the Uro-Accessory Package

Drain Loop
★ Part # **800-0096**

Reusable drain loop for disposable drain bags



Disposable Drain Bags (sterile)
★ Part # **800-0098**

Sterile open mesh filter surgical containment drape. Hose is flexible and compatible with all suction systems. Tube is 64"L x 7/8"D (163 cm x 2 cm) and 20" (51 cm) compressed.
*Not returnable



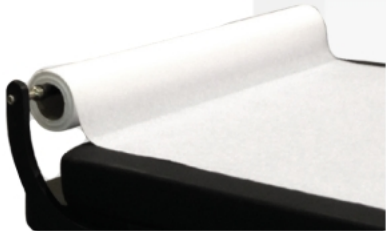
Premium Stirrups
★ Part # **800-0098**

Premium stirrups with clamps



Paper Roll
Part # **PR**

Paper roll holder that attaches to the end of the table near the handle. Paper not included.



Upper Body Extension
Part # **URO FULLBODY EXT-STI**

500 lb capacity carbon fiber radiolucent table extension. Facial cutout for prone procedures.



Foot Board Extension
Part # **URO-FOOTBOARD**

250 lb capacity radiolucent leg extension.

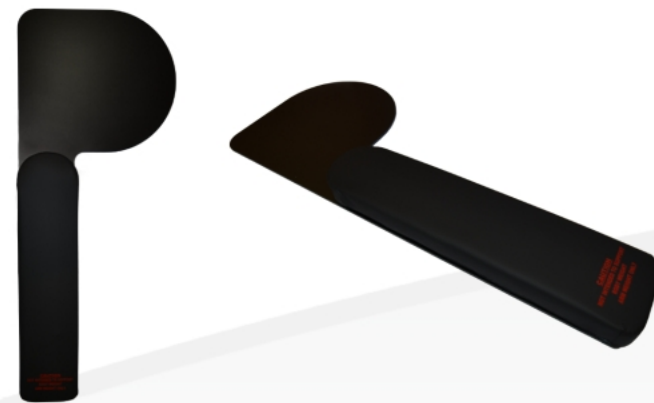


Vascular

Lollipop Arm Board

Part # **VMAX-LOLLIPOP**

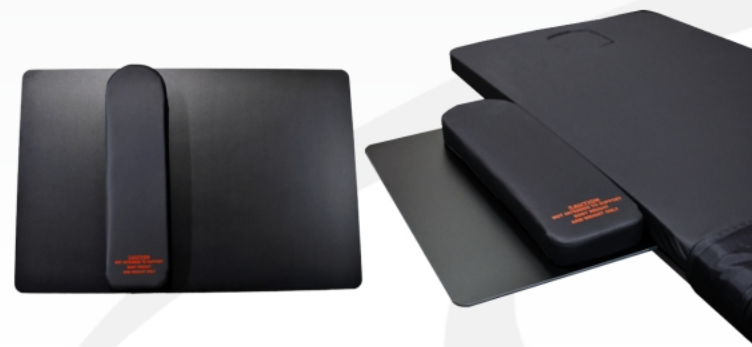
Slide under pad, fully radiolucent arm board



Rectangular Arm Board

Part # **VMAX-RECTARMBOARD**

Slide under pad, fully radiolucent arm board
Provides a space for your tools.



Modular Side Rail

Part # **MSRS**

6" side rail that clamps anywhere on the head end of the table. Side rail is a standard size and can many different accessories. Special handle to ensure no interference with the joystick.



Catheter Tray

Part # **VMAX-CATHTRAY**

Fully radiolucent catheter tray that clamps on the end of the table. Can be cut anywhere from 30"-40".



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www.surgicaltables.com



RazBari

Bariatric

Mobile Shower Commode Chairs

...nothing else
comes close



605
lbs

Weight Capacity

RazBari 600-lb capacity

Configurable, Adjustable, Customizable

Configurable

With 5 standard frame widths (22" / 24" / 26" / 28" / 30"), 4 seats (23"W / 26"W molded and 23"W / 26"W Visco Foam Interface), and a wide range of options, the RazBari line can be configured to meet the specific needs of the bariatric user.



Adjustable Axle Plate and Backrest Mounting Plates on SP600



26"W Raz-AT600 with 26"W Molded Seat, Bodypoint Belts, Arm Troughs and Rear Anti-Tippers

Adjustable

Adjustability allows for fine-tuning to achieve optimal client fit and function. This is especially important for bariatric clients because of the wide ranges of heights, widths, seat depths and weights.



34"W AP600

Customizable

Sometimes off-the-shelf configurations will not meet client needs. In these cases, Raz will engineer and fabricate unique solutions including seats, frames and accessories.

Seats ... we're all about the seat

The seat is the most important component of a Mobile Shower Commode Chair (MSCC). Raz offers 4 front-access standard seats: 2 Molded and 2 Visco-Foam Interface (VFI). Raz seats are easily removable for cleaning and interchangeability. Ischial Pelvic Alignment System (IPAS) is included on all seats.

Type	Size	Fits Seat Frame Widths
Molded	23"W x 18"D	22" / 24"
Molded	26"W x 18"D	26" / 28"
VFI	23"W x 18"D	22" / 24"
VFI	26"W x 18"D	26" / 28"



IPAS – Ischial Pelvic Alignment System

Our proprietary mounting brackets allow our seats to be adjusted fore / aft within a 2" range, laterally 1" or rotationally 4.5°. These adjustments are critical for optimal alignment of the ITs within the aperture / commode opening. (see [Accessories Brochure](#))

Molded HD Seats

Molded Seats are contoured to reduce sitting pressures, stabilize the pelvis and provide outstanding comfort. The molded seat construction provides exceptional durability.



23"W x 18"D Molded



26"W x 18"D Molded



23"W x 18"D VFI



26"W x 18"D VFI

Visco Foam Interface (VFI) HD Seats

Using Molded HD seats as a base, VFI seats are created by adding a 1" layer of proprietary Visco-Elastic Foam. The result is a seat with exceptionally-low interface pressures, providing comfort, safety and stability.



Custom 26"W x 20"D
with Left Access Opening

Custom Seats

When one of our standard seats does not meet the client's needs, Raz will design and fabricate a custom configuration. Custom modifications include: special width, depth, access opening, soft spot, pressure relief area, leg-length discrepancy, contouring and aperture size / shape / location.

Raz-AT600

Attendant Tilt 605-lb capacity



- WASS – see opposite page
- 2 weight ranges (350-450 lbs / 450-600 lbs)
- 25° of tilt
- Widths: 22" / 24" / 26" / 28" / 30"
- Adjustable back angle (90° / 97°)
- Back frame adjustable fore / aft (3" range)
- Gluteal shelf accommodation – see page 6
- Height-adjustable
- 6" dual-locking casters
- Stainless steel frame



The only bariatric chair with totally manual tilt...no need to charge batteries!



Weight Assist Spring System (WASS)

WASS uses a combination of gas struts and coil springs to counterbalance the user's weight, thereby reducing the tilt effort.

Unlike battery-powered systems, the AT600 does not require charging ... it's always ready for use!

Mechanical Lift Transfers into a tilting chair are safer



Transferring Into a Non-Tilting Chair



Transferring Into a Raz-AT600

The tilting feature of the Raz-AT600 allows for safer transfers when using a mechanical lift. The image above left shows a transfer into a non-tilting chair, which results in the client perched on the front edge of the seat. This is a potentially dangerous situation that can be avoided by using a pre-tilted AT600. Also, having the client on a tilted surface facilitates repositioning.

Raz-AP600

Attendant Propel 605-lb capacity



Gluteal Shelf Accommodation

Lower bend in back canes and tension-adjustable upholstery are standard on all Raz bariatric chairs.



Weight Capacity

- Gluteal shelf accommodation
- 5 widths (22" / 24" / 26" / 28" / 30")
- Back frame adjustable fore / aft
- Tool-less height adjustment (19"-23")
- Adjustable back angle (90° / 97°)
- 5" dual-locking casters (6" optional)
- Uses same frame as SP600
- Stainless steel frame

Heavy Duty footrest with reinforcing brace

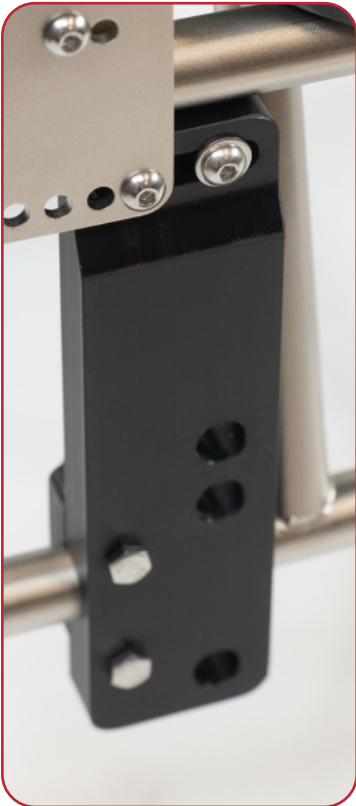


Raz-SP600

Self Propel 605-lb capacity



24" heavy-duty wheels with ergonomic handrims and stainless steel precision bearings.



Fore / aft adjustable axle plate allows for center-of-mass adjustment.



- Gluteal shelf accommodation – see page 6
- 5 widths (22" / 24" / 26" / 28" / 30")
- Center-of-mass adjustable
- Back frame adjustable fore / aft
- Adjustable back angle (90° / 97°)
- 5" dual-locking casters (6" optional)
- Height-adjustable
- Uses same frame as AP600
- Stainless steel frame





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A special thanks to:
Stephanie Tanguay, OT/L, ATP,
Clinical Education Specialist, Matrx Seating
for suggesting the name **RazBari**



Slimline C-MAC S

Single-Use Video Laryngoscope

Slim. Strong. Sustainable.



Slim. Strong. Sustainable.

Introducing the new Slimline C-MAC S blades Now 28% slimmer*

Designed for better visibility
and easier access.

Single-use convenience

Our MAC 3, MAC 4, and difficult airway blades combine a slimmer profile built on the same trusted design principles as our reusable blades.

Built for real-world challenges

From the OR to the ED, ICU, EMS, and pediatric care settings, Slimline C-MAC™ S blades deliver reliable performance across a wide range of intubations.

Fully integrated

Seamlessly connects with the C-MAC™ HD platform, delivering a hybrid solution that combines the flexibility of both single-use and reusable tools.

Engineered to do more

Designed to support performance in challenging airway scenarios, these blades are compatible with our reusable C-MAC™ Imager— which helps reduce electronic waste. Additionally, C-MAC includes real-time video capture at the push of a button to support training and instructional use.



* Compared with the previous model of C-MAC™ S blades (MAC 4).

Slim

Because Access Matters

When every second counts,
you need tools that work with you.

You're in the OR. The patient has limited neck mobility. The pressure is on, and the team is ready, awaiting your lead. You need a blade that gives you space to see, maneuver, and intubate—without second-guessing your view.

Slimmer design

Engineered with a 28% slimmer* profile, Slimline C-MAC™ S blades give you added space to navigate tight anatomy.

Enhanced visual navigation

The slimmer geometry reduces blade interference and expands the monitor view to support visualization of the vocal cords.

Ready for challenging cases

Whether you're facing a difficult airway or limited mouth opening, Slimline C-MAC™ S blades are designed to give you the space to act with precise maneuvering.

From routine cases to the most challenging airways, Slimline C-MAC™ S blades are designed to help you intubate with confidence—anywhere, anytime.

* Internal report - KARL STORZ. CAD data (volume) and density with closed handle. 2024.
Berechnung_Verdrängung_CAD_Berechnungen_20241107.

Strong Built to Perform

In critical moments, you need
equipment you can trust.

It's 3 a.m. There's been an accident on the side of the road. Your patient is in critical condition, the lighting is poor, and the environment is far from ideal. This is no time to wonder if your tools can take the pressure. You need equipment you can trust—built to perform.

4-6X

The force of a typical intubation²

Breakproof design

Slimline C-MAC™ S blades have been tested to withstand 4 to 6 times the force of a typical intubation, maintaining structural integrity even during the most challenging cases.^{1,2}

German engineering, Swiss manufacturing

Each Slimline C-MAC™ S blade is built with the precision manufacturing you expect from KARL STORZ, delivering the quality, reliability, and durability trusted by clinicians worldwide.³

Reliability you can count on.
Trusted every day.

Sustainable

For Patients and the Planet

When sustainability matters,
you don't need to sacrifice
performance.

Every decision in the OR leaves a footprint—in patient outcomes, in supply waste, and in long-term costs. The Slimline C-MAC™ S platform makes it easier to choose tools that protect more than the airway.

28% material reduction*

Slimline C-MAC™ S blades were thoughtfully engineered to reduce material without compromising performance. A 28% reduction in material* means less impact on the environment.

Reusable imager

Pairing the blade with our reusable imager helps minimize electronic waste over time.

Greener packaging

The peel-pouch design keeps things simple. It's easier to store, easier to open, and easier on the planet.

Designed to support
your sustainability goals—
one procedure at a time.



Slimline
C-MAC™ S
Imager

* KARL STORZ. CAD data (volume) and density with closed handle. 2024.
Berechnung_Verdrängung_CAD_Berechnungen_20241107.

Your View. Your way.

The C-MAC HD monitor brings flexibility, clarity, and confidence to every clinical decision.

Space-saving design

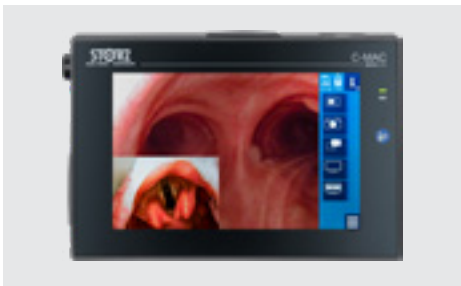
Compact footprint integrates easily into ED bays, ORs, ICUs, and dynamic room setups—ready when and where you need it.

Adaptable for every setting

Dual-input technology offers simultaneous visualization from two devices, including video laryngoscopes, flexible scopes, and video stylets.

Flexible visualization

Choose picture-in-picture or side-by-side modes for dual views of the airway—all in the same monitor—to enhance management of complex cases.



Picture-in-Picture



Side-by-Side

Always ready

An intuitive, timesaving, plug-and-play system that supports rapid deployment across hospital and emergency environments.

Accurate visualization

Color-calibrated imaging delivers precise airway views—empowering clinicians with clarity and confidence in every decision.

Image capture and documentation

Save clinical images, video and audio recordings at the touch of a button. Seamlessly integrate into the EMR with C-Connect airway integration solution.

Reverse image capability

The C-MAC™ HD monitor offers a reverse image function that aligns screen view with hand motion—enhancing control and reducing disorientation during bronchoscopy, awake intubation, and rhinolaryngoscopy.

C-Connect airway integration

Seamlessly route images and video from the C-MAC™ HD monitor into your OR's integrated monitors and your hospital's EMR—supporting real-time documentation, communication, and post-procedure review.

Clinical Training

From Tools to Teaching

Built to perform and designed to reinforce.

It's July, and your new residents are just getting started. One of them is intubating for the first time—you're guiding them at the bedside, watching their technique on the monitor, offering real-time feedback, and capturing the case with the multi-function button on the S-Imager. With Slimline C-MAC™ S platform, every intubation gives the option to become a teaching opportunity.



Multi-function button for image/video capture



C-MAC™ S D-Blade



Slimline C-MAC™ S MAC 3 blade

Multi-function button recording

Capture real-time clinical video footage and images at the push of a button. Whether it's for review, feedback, or documentation, the multi-function button turns routine cases into teachable moments.

Track intubation time

When paired with the C-MAC™ HD monitor, you can track intubation time to help trainees build precision and confidence.

Familiar blade geometry

Slimline C-MAC™ S blades mirror the classic shapes of MACINTOSH and MILLER blades, making them ideal for teaching traditional techniques, with the added benefit of video guidance and direct view.



Whether you're mentoring colleagues or training the next generation, Slimline C-MAC™ S blades make teaching a seamless part of the workflow.

One Platform

Total Flexibility

Do more with one system and do it for less.

Even when single-use is your standard, things don't always go to plan: last-minute add-on cases, and a supply chain issue no one saw coming. With Slimline C-MAC™ S blade and the C-MAC™ HD platform, you gain built-in flexibility—one system that lets you lead with single-use, while keeping reusable blades as a reliable backup. This is how you stay ready for every airway, without overcommitting your inventory or budget.

Cost-efficient by design

Slimline C-MAC™ S blades are designed to help reduce your per-procedure costs without compromising performance. Paired with the reusable C-MAC™ S Imager, they offer a cost-efficient alternative to systems that rely solely on single-use imagers.

Flexible solutions

Whether using the C-MAC™ HD monitor or Pocket Monitor, Slimline C-MAC™ S blades integrate seamlessly. The C-MAC™ HD system offers unmatched versatility, supporting single-use, reusable, and rigid options all in one platform.

Comprehensive portfolio

With a full portfolio—MACINTOSH, MILLER, D-BLADE, and pediatric sizes—you're ready for any airway, anytime.

One investment with flexible options —
all with one trusted platform.



Build Your System

From the OR to the Field

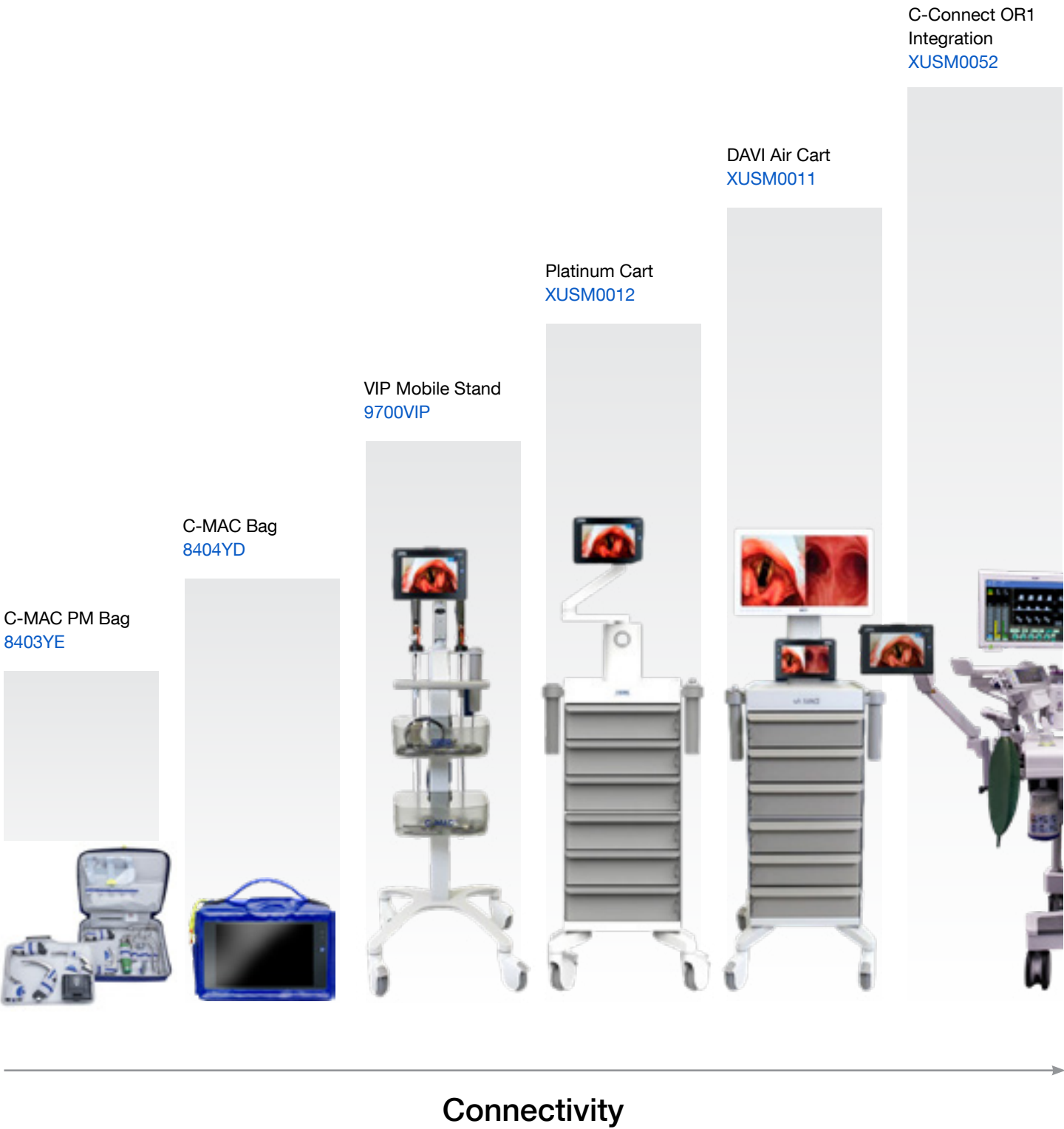


- | | | | | | | | | |
|---|--------------------------|----------------------------|---|---------------------------|-----------------------------------|----|---------------------------|------------------------------------|
| 1 | XUSM0052 | C-Connect OR1 Integration* | 5 | 8403XDP | C-MAC PM Connecting Cable | 9 | 051213-10 | C-MAC S Video Laryngoscope MAC #3 |
| 2 | 8404ZXK | C-MAC HD Monitor | 6 | 8403XSI | C-MAC S Imager | 10 | 051216-10 | C-MAC S Video Laryngoscope D-BLADE |
| 3 | 8403XDK | C-MAC Pocket Monitor (PM) | 7 | 8403XSPK | C-MAC S Pediatric Imager | 11 | 051111-10 | C-MAC S Video Laryngoscope MIL #1 |
| 4 | 8403X | C-MAC Connecting Cable | 8 | 051214-10 | C-MAC S Video Laryngoscope MAC #4 | 12 | 051110-10 | C-MAC S Video Laryngoscope MIL #0 |

*Additional HDMI cable required

Connect Your System

Customize Your Setup



Intubate with Confidence

Anywhere. Anytime.



Ready to Experience **the Difference?**



Contact your KARL STORZ representative today.

References

¹ KARL STORZ. KS06371/SSU Blades Initial Mechanical Safety Verification. 2024. Doc no. C2.1.3.0001. F005d-RSTR-KS06371. SSU Blades Mechanical SafetyT0 & T0*. Data on file.

² Russell, T., et al. "Measurement of forces applied during Macintosh direct laryngoscopy compared with GlideScope® videolaryngoscopy." *Anaesthesia*. 2012;67(6): 626-631.

³ Airway Market Research Report, GLG, 2024



The KARL STORZ Difference

For us, it's more than medical technology.
It's our commitment to solving the biggest
challenges for our healthcare partners,
providing consistent value to you,
your team, and your patients.

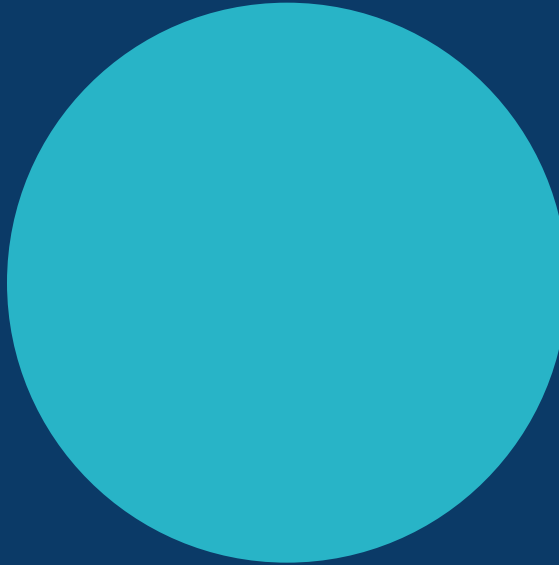


Learn more at
www.karlstorz.com

STORZ
KARL STORZ – ENDOSKOPE

KARL STORZ Endoscopy-America, Inc.
2151 East Grand Avenue, El Segundo, CA 90245-5017
800-421-0837 | communications@karlstorz.com

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STERILIZATION, INFECTION PREVENTION & PROCESSING

Manufacturer brochures, specifications, and product literature curated for VA, hospital, clinic, laboratory, and healthcare facility requirements.

HEALTHCARE LINE

3870HSG-WS

Pre & Post Vacuum Autoclave
85L / 22.5 Gallon Chamber



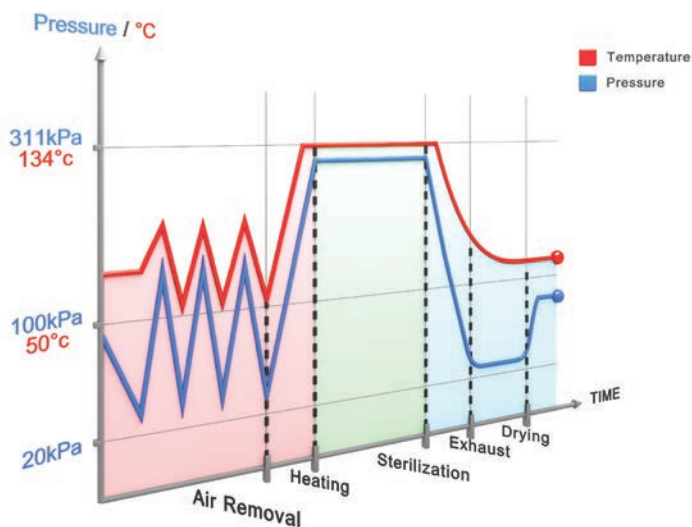
Economic Line

Healthcare Autoclaves

Hospital Grade Performance for Ambulatory Surgery Centers, Large Clinics & Veterinary Hospitals

The 3870HSG-WS autoclave is an 85 liter autoclave that is ideal for ASC's and large clinics. The 3870HSG-WS autoclave provides hospital grade sterilization and medium loading capacity at a cost-effective price that meets the highest international standards.

- ▶ PRE & POST VACUUM, CLASS B
- ▶ COMPACT
- ▶ WATER SAVING
- ▶ PLUG & PLAY
- ▶ EASY TO MOVE - EASY TO INSTALL
- ▶ COST-EFFECTIVE PRICING



Pre & Post Vacuum Performance

Pre & Post vacuum performance is achieved with a built-in vacuum pump used for fractionated pre vacuum air removal eliminating air pockets from all load types and maximizing efficient steam penetration throughout the entire load. After the sterilization stage the vacuum pump is used for post-vacuum drying, resulting in bone-dry load at the end of the cycle.



COMPACT

Narrow Design - fits through standard doorways
Minimal Footprint - high capacity autoclave which does not require a lot of space



GREEN

- Water Saving System – up to 5 liters of tap water per day only
- Sleep Mode - Control system switches off while not in use. The generator remains active 24 hours per day!
- Low Rate Cycle - you can run your sterilizer after work hours, by setting a delayed start time



PLUG & PLAY

Independent Mode - no need to connect the autoclave to the building utilities for distilled water, tap water or drain



EASY TO MOVE - EASY TO INSTALL

- Mobile – easy to move to new locations due to built-in swivel wheels
- Installation Made Easy – no need for complicated utility connections
- Adjustable Floor Layout – easy installation adjusted to floor layout



COST EFFECTIVE PRICING

Efficient Chamber Design – rounded chamber allows for economic performance, without compromising sterilization performance



Sterile Processing Department



(A) High Thermal Disinfector Washer (B) 5075HSG, (C) 3870HSG-WS, (D) Steri-Center Packing Table

Innovative Control System



Dynamic Multi-Color Display

A bright multicolor LCD panel for easy reading, even from a distance.

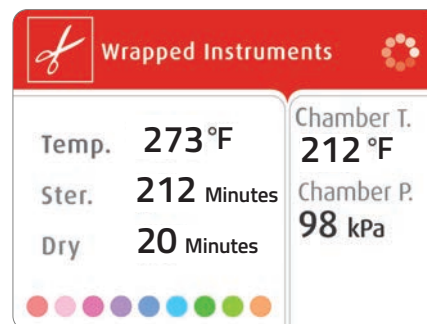
- Wheel rotates to indicate an active cycle
- Time remaining during Water Filling, Sterilization, and Drying stages is updated in real-time

Sterilization



00:19

Exhaust



Digital Data on Your PC

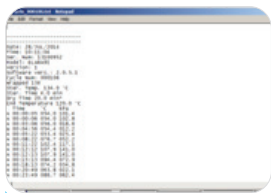
Save cycle data files on your PC with no additional software or specialized hardware



Connect USB memory



Select "Export History"



View Cycle Data Files on Your PC



Connect USB memory to your PC

Built-in Printer

Documents detailed history of each cycle

R.PC.R Software

Automatic Recording of Cycle Information to Your PC

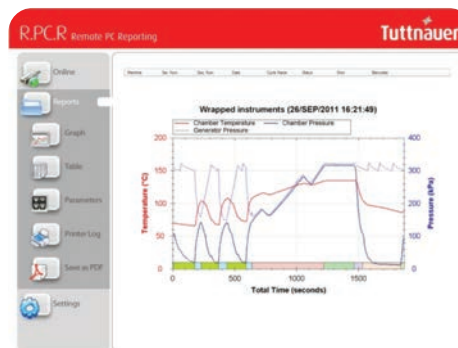
Reporting You Can Rely On

- Automatic cycle data recording to any PC on your network
- Convenient access to graphs & tables
- Easily generate PDF reports
- No need to file printouts, saving you time

Be in Control with Real-Time Remote Monitoring

- See the real-time autoclave display on your PC
- Monitor all activity for up to 8 autoclaves

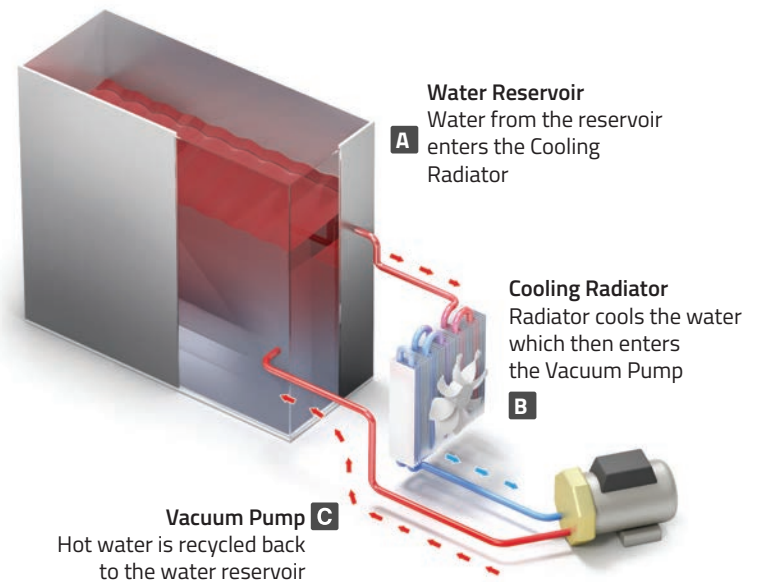
R.PC.R Software is optional.



With R.PC.R you can see: Graphs of the cycle data, numeric cycle data, cycle print-outs, measured values table, table of parameters.

Water Saving System

Huge water savings are achieved with the optional highly efficient water recycling system (HSG-WS model) that consumes only 5 liters of tap water per day.



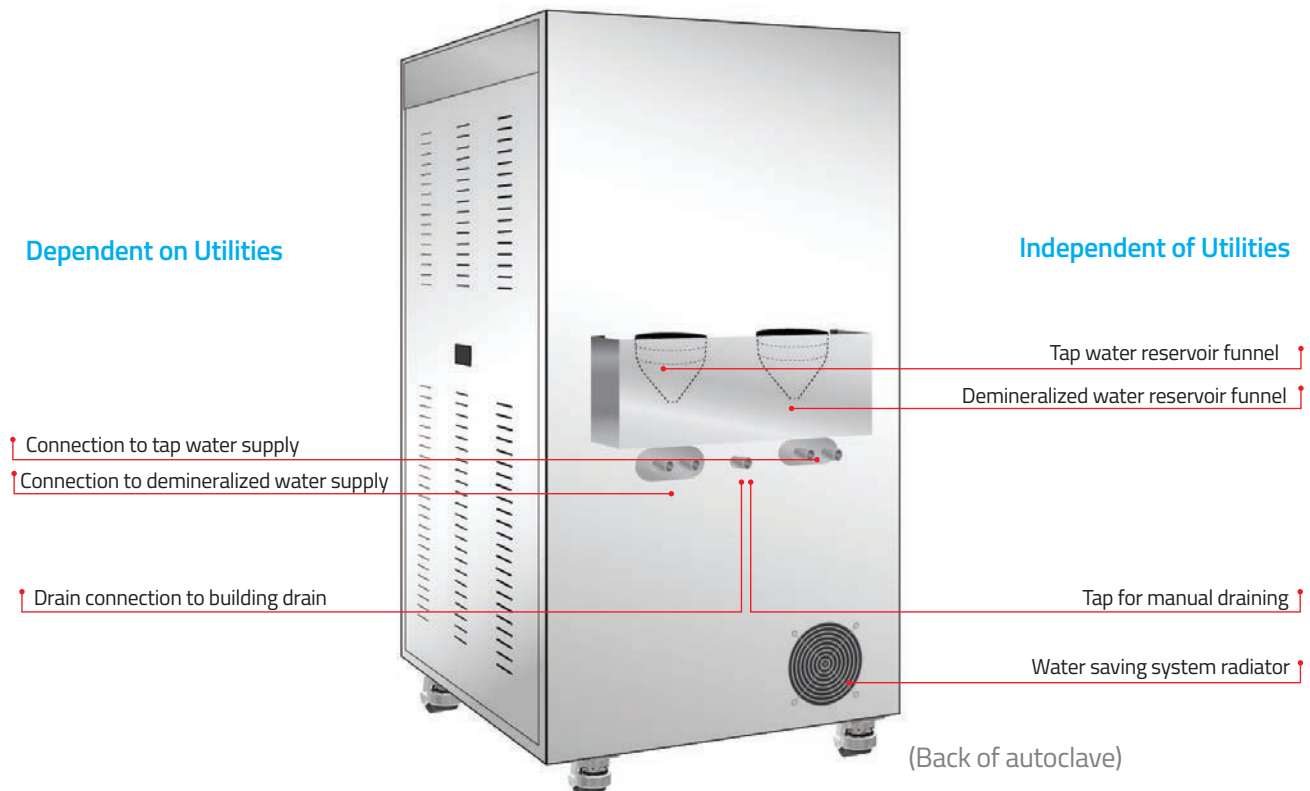
Utility Connection Features

Dependent on Utilities

The HSG-WS can be operated as a stationary sterilizer connected to building utilities for distilled water, tap water, drain and electricity.

Independent of Utilities

The HSG-WS comes with a standard "Plug and Play" option to operate only with an electric power connection. In this mode there is no need to connect the autoclave to the building utilities for distilled water, tap water and drain. With this option it is also possible to connect to utilities.



Safe & Reliable

- Double locking safety device prevents door from opening while chamber is pressurized
- Control lock-out switch prevents starting a cycle if door is not properly locked
- Control system protection prevents door from opening at high pressure and temperature

3870HSG-WS - 85 Liter Chamber

The 3870 HSG-WS is a hospital grade Class B autoclave, suitable for large medical & dental clinics, and operating rooms. Designed to be a fast cycle sterilizer that is mobile, operates 24 hours a day, and can optionally operate independent of building utilities.

- Automatic locking door
- Powerful built-in steam generator
- 85L Chamber & trays



3870HSG-WS Dimensions



Technical Specifications

Model	Chamber Dim. ϕ x L (In.)	Chamber Vol. (Liters)	No. of Trays	Tray Dimensions W x H x D (In.)	Overall Dimensions W x H x D (In.)	Autoclave Weight (lbs.)
3870 HSG-WS	15.2" x 29.9"	85L	2	Small: 11.3"x 1"x26.6" Large: 13.8"x 1"x 26.6"	28.4" x 53.8" x 46.5"	701 lbs.

Complies with the Strictest International Directives and Standards

Quality Standards

- ISO 9001:2015 - Quality Management Systems
- EN ISO 13485:2016 Quality Management System – Medical Devices
- In compliance with 21 CFR part 820 & part 11

Directives

- MDD 93/42/EEC amended in Directive 2007/47/EEC
- PED 2014/68/EU - Pressure Equipment Directive
- 2012/19/EU WEEE and 2017/2102 RoHS

Technical Standards

- EN 285: 2015 Large steam sterilizer
- EN 61010-1: 2010
- EN 61326-1: 2013
- EN 61010-2-40: 2015
- FDA Approved
- ANSI/AAMI/ST8:2013 (R2018)
- ANSI/AAMI - ST55:2016
- ASME Code section I and section VIII. Div.I

Electrical Specifications

Model	Voltage (Volts) / Frequency (Hz)	Power (kW)
3870HSG – WS	3 ph, 230 Volts, 25 Amp., 60Hz	9 kW

Your Sterilization & Infection Control Partners

For over 95 years, Tuttnauer's sterilization and infection control products have been trusted by hospitals, universities, research institutes, clinics and laboratories throughout the world. Supplying a range of top-quality products to over 140 countries, Tuttnauer has earned global recognition as a leader in sterilization and infection control.



Supporting products

A Complete Infection Control Solution

Based on our decades of infection control knowledge and experience, Tuttnauer delivers a comprehensive range of accessories and consumables for precise monitoring and control of hygiene, cleaning, disinfecting, processing and sterilization. Delivering high quality, reliable and easy to use range of products.

Tuttnauer delivers highly reliable indicators for the routine monitoring of sterilization processes to ensure the elimination of highly resistant bacteria on reusable tools and instruments.



Rapid & Ultra Rapid
Indicators
WTL198-0058
WTL198-0072



MiniBio
Auto-Reader
Incubator
WTL198-0057



TIVA8 High Disinfector
Washer,
TIVA8-MD 1 MEDICAL
TIVA8-MD 1 DENTAL



T-EDGE AUTOCLAVE
Class B Autoclave
T-EDGE10B 110V & 220V
T-EDGE11B 110V & 220V



Process Challenge Device
20 Minute & 1 Hour
WTL198-0075
WTL198-0077



Chemical Indicator
Multi Variable, Type 4
WTL198-0081



Process indicators
Self-adhesive tape
WTL198-0053



Chemical Indicators
Integrator, Type 5
WTL198-0082



Learn from our experts.
Visit our blog: tuttnauer.com/blog

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E-mail: info@tuttnauerUSA.com, www.tuttnauer.com/us





The Standard for TEE Probe Reprocessing



CS Medical



TEEClean®

AUTOMATED TEE PROBE CLEANER DISINFECTOR

TEEClean® Automated TEE Probe Cleaner Disinfector is the first product of its kind to be cleared by the US FDA. Designed exclusively for transesophageal echocardiogram ultrasound probes (TEE), TEEClean accomplishes both the manufacturer's recommended cleaning and high-level disinfection of soiled TEE probes in the same device.



Features:

- Validated and FDA cleared cleaning and high-level disinfection method for TEE probes
- 5-minute high-level disinfection of TEE probes
- TEEZyme® enzymatic cleaning solution
- 7" LCD color touchscreen display with vivid user icons for easy operation
- Data entry with integrated barcode scanner or manual keyboard entry
- Printed disinfection and maintenance record with integrated printer
- Electronic record logging of all cleaning, disinfection and maintenance events for download; retention of over 15,000 records held in memory
- 5 nanometer filtered rinse water (.005 micron) — FDA cleared Class II medical device
- Advanced vapor management system
- Full system high-level disinfection for added preventative maintenance

Benefits:

- Validated and repeatable cleaning and high-level disinfection
- Reduced TEE probe handling
- Electronic record retention
- Simplified workflow

with an FDA 510k Cleared Device

User Interaction

TEEClean® offers the ability to scan user, disinfectant, probe, cleaner, filters and maintenance activities into system memory or manually type with a full sized keypad on the 7 inch color LCD touchscreen

Record Retention

TEEClean® provides electronic records retention of the clean and disinfection cycle and records device maintenance events. A printed record is provided with the built-in thermal printer

Water Filter

5 nanometer (.005) water filter that removes bacteria, viruses and endotoxins from the facility water supply for the rinse cycles

TEEZyme®

An enzymatic solution to remove soil from inserted TEE ultrasound probe

LCD Touchscreen

A 7 inch color LCD touchscreen with animated help screens and simple process steps and status during operation

HLD Disinfectant

Single-use high-level disinfectant eliminates the use of test strips to confirm MRC- no added hassle or objective determination of pass or fail- removes risk of disinfectant efficacy

The RESULTS

Adding TEEClean to your workflow takes the guess work out of reprocessing TEE ultrasound probes. No more wondering if the probe was properly cleaned prior to high-level disinfection. TEEClean maintains an electronic record of the process. The electronic records are stored in system memory with a capacity of over 15,000 records. Additionally, at the conclusion of a successful cleaning and disinfection cycle, the printed receipt will provide an immediate visual confirmation of the process.

The printed receipt contains the following information:

- ☒ PASSED Probe cleaned and disinfected
- ☒ Run number
- ☒ Date of cleaning and disinfection
- ☒ Time of cleaning and disinfection
- ☒ Indication that bedside cleaning occurred and within 1 hour of extraction from patient
- ☒ Operator number and name
- ☒ Probe number and serial number
- ☒ Lot number and expiration date of TEEZyme used to clean the soiled TEE probe
- ☒ Disinfectant type, lot number and expiration date used to high-level disinfect cleaned TEE probe
- ☒ Time and temperature of TEEZyme during the cleaning process
- ☒ Time and temperature of the high-level disinfectant during the disinfection process
- ☒ Electrical leakage test results
- ☒ Required PM time remaining for water filter, debris filter and vapor filter

TEEClean Automated TEE Probe Cleaner Disinfector is the new standard in TEE Probe reprocessing and care.

Why wouldn't you TEEClean when it is this simple and validated to ensure your TEE probes are cleaned and high-level disinfected each and every time, the same way?

TEEClean SN: 00011

=====

PASSED

PROBE CLEANED AND DISINFECTED

=====

RUN NO: 00000016

DATE: 22 MAY 2019
TIME: 05:36:15 PM

BEDSIDE CLEANING PERFORMED: YES
CLEANED WITHIN LAST HOUR: N/A

OPERATOR NO: 01
OPERATOR NAME: JACK JONES

PROBE NO: 01
PROBE SN: 205924

TEEZyme LOT NO: 12345
TEEZyme EXP: JAN 2020

TD-5 LOT NO: 1111
TD-5 EXP DATE: JAN 2020

AUG CLEAN TEMP: 039.5
RANGE: 38.0 - 42.0
CLEAN TIME: 0125
RANGE: > 120 Sec.

AUG DISINF TEMP: 039.0
RANGE: 38.0 - 40.0
DISINF TIME: 0310
RANGE: > 300 Sec.

ELECTRICAL LEAKAGE TEST: PASSED
PM REQUIRED IN:
WATER FILTER: 89 DAYS
DEBRIS FILTER: 063 DAYS
VAPOR FILTERS: 224 DAYS
PERFORMANCE CHECK: 211 DAYS

REMARKS:

CS Medical

2179 East Lyon Station Road • Creedmoor, NC 27522
Toll Free: 877.255.9472 • Phone: 919.255.9472
www.csmedicalllc.com • info@csmedicalllc.com

Surgical Slush Systems and recommended drapes

Hush Slush™ 2.0 Slush & Warmer System

7.0 Liter Basin Capacity | ESW7L

Hush Slush™ 2.0 Slush & Warmer Disc-Drapes

	Sterile	Non-Sterile	
44" x 66"	ESD340	ESD340N	24/case

ORS Hush Slush™ Unit

5.8 Liter Basin Capacity | ORS-1058HS

Slush + Warmer Plate-Drapes

	Sterile	Non-Sterile	
44" x 66"	ESD330	ESD330N	24/case
44" x 66"	ORS-330	ORS-330N	24/case
52" x 66"	ORS-331		24/case

ORS Hush Slush™ Unit

7.5 Liter Basin Capacity | ORS-1075HS

Slush + Warmer Disc-Drapes

	Sterile	Non-Sterile	
44" x 66"	ESD320	ESD320N	24/case
44" x 66"	ORS-320	ORS-320N	24/case
52" x 66"	ORS-321	ORS-321N	24/case
44" x 66" x 36" Skirt	ORS-325		24/case

Slush Disc Drape Only

48" x 48"	ORS-130	24/case
-----------	---------	---------



Hush Slush™ 2.0 Slush & Warmer System

Irrigation Fluid Warming Systems and recommended drapes

CoreTemp™ Fluid Management Unit

5.0 Liter Basin Capacity | CTW5L

CoreTemp™ Fluid Warming Drapes

	Sterile	Non-Sterile	
56" x 56"	CTD100	CTD100N	24/case
56" x 62"	CTD200	CTD200N	24/case

ORS Fluid Warming Systems

5.6 Liter Basin Capacity | EFW6L

7.5 Liter Basin Capacity | ORS-2075R

9.4 Liter Basin Capacity | ORS-2094R

Fluid Warming Drapes

	Sterile	Non-Sterile	
44" x 44"	EWD100	EWD100N	24/case
44" x 60"	EWD300	EWD300N	24/case

ORS Fluid Warming System

3.8 Liter Basin Capacity | ORS-2038D

Fluid Warming Drapes

	Sterile	Non-Sterile	
44" x 44"	ORS-100	ORS-100N	24/case

ORS Fluid Warming Systems

5.7 Liter Basin Capacity | ORS-2057D

Scope Pillow Warmer Drape

	Sterile	Non-Sterile	
44" x 66"	ORS-400 (standard/preferred*)		10/case

*Some accounts use ORS-300/EWD300 & towel

ORS Fluid Warming System

6.6 Liter Basin Capacity | ORS-2066R

Fluid Warming Drapes

	Sterile	Non-Sterile	
44" x 60"	EWD300	EWD300N	24/case
44" x 66"	ORS-300	ORS-300N	24/case
52" x 66"	ORS-301	ORS-301N	24/case
48" x 48"	ORS-110		24/case

IntraTemp Fluid Warming Unit

6.0 Liter Basin Capacity | ITW6L

IntraTemp ThermaBasin™ Drape

	Sterile	Non-Sterile	
	ITB100		5/case



CoreTemp™ Fluid Management Unit

Contact your Ecolab Representative

Call 1 800 824 3027 | Visit: ecolab.com/healthcare



Microtek Medical, Inc.
1 Ecolab Place
St Paul, MN 55102 U.S.A.
www.microtekmed.com

ECOLAB
PROTECTING WHAT'S VITAL™

AC-DS-03

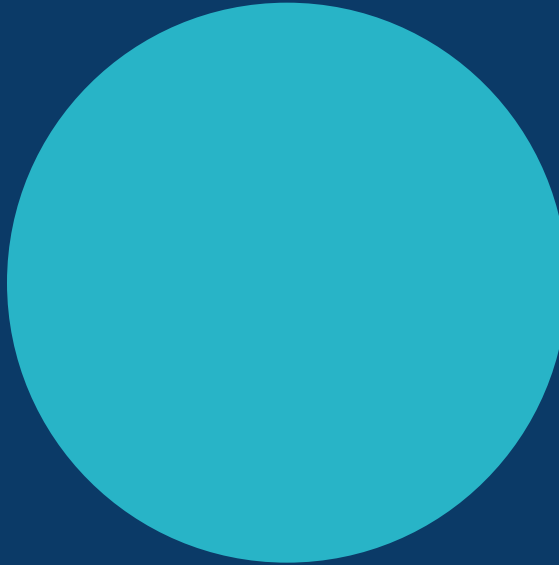
NEUTRALIZATION SYSTEM



Space and Site Planning Overview
for using an AC-DS-03 Neutralization System with the
TEEClean Automated TEE Probe Cleaner Disinfector.
Please see your product manuals for specific details.



Actual Size	AC-DS-03	TEEClean
Width	12.5"	24"
Depth	16"	12"
Height	41.25"	44"
Weight	35 lbs. dry	108 lbs.
Space and Site Requirements		
Width	18"	36"
Depth	16"	12"
Height from floor	48"	72"
Electrical Requirements		
Service	120V 60 Hz	120V 60 Hz
Ratings	0.5 A	4.7 A
Fusing	2 A	6.3 A
Water Supply Requirements		
Delivery pressure	N/A	30-35 PSI
Flow rate	N/A	1 GPM
Temperature	N/A	50° - 80° F
Shut-Off	N/A	Required
Connection	N/A	Provided
Quality	N/A	EPA quality drinking water at point of use
Water usage	N/A	1.75 gallons per cycle
Drain Requirements		
Drain	Uses TEEClean drain	1-1/2" Drain Pipe & Trap Note: A special drain fitting is provided



SURGICAL, PROCEDURE & CLINICAL EQUIPMENT

Manufacturer brochures, specifications, and product literature curated for VA, hospital, clinic, laboratory, and healthcare facility requirements.

The NEW Blue Light Powered by Saphira™



The Evolution Continues

Introducing the next-generation Blue Light System for Enhanced Detection and Treatment of Non-Muscle Invasive Bladder Cancer (NMIBC).

Brilliant White Light - See more color, contrast, tissue differentiation and depth cues.

CHROMA Vascularity Enhancement - Improve visualization of vascular structures.

Blue Light in Full HD - The first and only FDA-approved technology, now in high-definition with adjustable fluorescence intensity.

STORZ
KARL STORZ — ENDOSKOPE

The NEW Blue Light Powered by Saphira™

Enhance Your View. Experience fluorescence-guided resection with precision.



IMAGE1 S™ Saphira Video System

ITEM #	DESCRIPTION
TC205US	SAPHIRA CONNECT II CCU Module
TC305US	SAPHIRA LINK CCU Module
TH113US	HX-P SAPHIRA Camera Head
TL410US	Power LED SAPHIRA Light Source
495NAC	Fiber-Optic Light Cable (3.5 mm, 230 cm length)
UF101	Foot Switch (Optional)

Surgical Generator

ITEM #	DESCRIPTION
	The ONLY True Bipolar Surgical Generator Optimized for Blue Light Resection
UH400U	
UH801	Bipolar High-Frequency Cord
UF902	Two-Pedal Footswitch for HF Generators

Photodynamic Diagnosis (PDD) Telescopes

ITEM #	DESCRIPTION
27005AIA	4 mm, 0° Hopkins® Telescope, Autoclavable
27005FIA	4 mm, 12° Hopkins® Telescope, Autoclavable
27005BIA	4 mm, 30° Hopkins® Telescope, Autoclavable
27005CIA	4 mm, 70° Hopkins® Telescope, Autoclavable

Bipolar Electrodes for TURBT

ITEM #	DESCRIPTION
27040GP130-S	Cutting Loop, 0.3 mm
27040JB130-S	Cutting Loop, straight 0.3 mm

Monitors

ITEM #	DESCRIPTION
TM220	27" Full-HD Monitor
TM343	32" 4K Monitor

KARL STORZ Blue Light is intended for use with Cysview®, an optical imaging agent indicated for use in the cystoscopic detection of NMIBC, including carcinoma in situ (CIS), among patients suspected or known to have lesion(s) on the basis of prior cystoscopy.

FOR U.S. USE ONLY

It is recommended to check the suitability of the product for the intended procedure prior to use.
Please note that the described products in this medium may not be available yet in all countries due to different regulatory requirements.



KARL STORZ Endoscopy-America, Inc.
2151 East Grand Avenue | El Segundo, CA 90245-5017, USA
Phone: 424-218-8100 Toll-free: 800-421-0837
Fax: 424-218-8525 Toll-free: 800-321-1304
E-Mail: communications@karlstorz.com

www.karlstorz.com

FOLLOW KARL STORZ



Amvex® Vacuum Regulators



Digital
and
Analog

AMVEX®



Product Benefits

Ohio Medical offers a comprehensive line of Amvex® Vacuum Regulators to help service your adult, pediatric, neonate and surgical populations. They are available in both Intermittent and Continuous models. Because our regulators have a technologically advanced design using modularity, your healthcare institution can easily upgrade models from Analog to Digital, and from Continuous to Intermittent. This modularity also provides for simple serviceability and maintenance.

Amvex's patented Digital Regulators are first of their kind in the market place. This technology provides the clinician higher gauge accuracy and large digital numbers for ease in pressure readings, as compared to an analog gauge.

Ask us or our distributor partners which type of vacuum regulator model best meets your patient population and needs.

Features and Benefits

Analog and Digital Vacuum Regulators

Analog:

- Operating ranges: 0-100 mmHg, 0-160 mmHg, 0-300 mmHg, and 0-760 mmHg
- Analog gauge designed for clarity (large white background)
- USA gauges move clockwise with increasing vacuum levels
- Same housing for both Continuous and Continuous/Intermittent Regulator
- Strong and flexible ABS polymer plastic casing
- The removable back panel allows you to visually inspect, service and clean
- The product allows for cleaning by a cold sterilant flush.

Digital: Includes all of the Analog features plus...

- Patented state of the art Digital Display Technology
- Easy to read display (numbers are five times the size of an Analog gauge)
- Because there are no mechanical moving parts within the gauge, digital technology provides a longer working life versus analog mechanical gauges
- Accuracy is +/-1% of full range
- Upgrade to Intermittent mode or Digital in minutes
- Color coded range on digital display corresponds to an Analog gauge



AMVEX®

PART CONFIGURATOR:

Vacuum Regulator Type:

Continuous/Intermittent 0-300 Gauge:	C1
Continuous 2 Mode (Off/Reg) 0-300 Gauge:	C2
Continuous 3 Mode (Off/Reg/Full) 0-300 Gauge:	C3
Continuous High 3 Mode 0-760 Gauge:	CH
Intermittent 2 Mode (Off/Int) 0-300 Gauge:	I2
Pediatric Intermittent 3 Mode 0-160 Gauge:	PI
Pediatric Continuous 2 Mode 0-160 Gauge:	P2
Pediatric Intermittent 2 Mode 0-160 Gauge:	PP
Neonatal Intermittent 3 Mode 0-100 Gauge:	NI
Neonatal Continuous 2 Mode 0-100 Gauge:	N2
Neonatal Intermittent 2 Mode 0-100 Gauge:	NN

VR-XXYY - XXYZ

Color Code:

USA: U
ISO: I

Patient Connection:

1/8" FNPT: 2
DISS Male: D
Tubing Nipple: T
Vacuum Trap (F2): V
Vacuum Trap (DISS Handtight): H

Display:

Analog (mmHg): A
Digital (mmHg): D
Digital (mBar): M
Digital (inHg): I
Digital (kPa): K

Body Colors: (white is standard)

Sage: A	Orange: O
Blue: B	Purple: P
Gray: E	Red: R
Green: G	Sand: S
Lavender: L	Butter: T
Lt. Orange: H	Burgundy: U
Mint: M	Yellow: Y
Pink: N	Baby Blue: Z

Wall Connection:

Australian Handtight: AH	DISS Nut: DN	Japanese Male: JM	Ohmeda Male: OM
Bubble Barb: BB	Elbow with Barb: EB	1/8" MNPT: M2	Puritan Bennett Male: PM
British Male: BM	1/8" FNPT: F2	1/4" MNPT: M4	Schrader Male: SM
Chemetron Male: CM	1/4" FNPT: F4	Medstar Male: MM	Oxequip Male: XM
DISS Handtight: DH	French Male: FM	NIST Female: NF	AGA Male: ZM
DISS Male: DM	German Male: GM		



Basic matrix shown. Contact your representative for additional options.

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Ohio Medical LLC
1111 Lakeside Drive, Gurnee, IL 60031 USA
Phone: 1.866.549.6446
www.ohiomedical.com MK-VR-SPEC-U (Rev.1) 2017/11

Hypervolt 3 Pro



**Power that keeps
up with you**

Hypervolt 3 Pro is built for athletes and high performers who need to warm up faster, recover stronger, and keep moving at their peak. Its powerful percussion reaches into the toughest muscle groups to unlock mobility, reduce stiffness, and accelerate recovery between intense training sessions.

With 6 speeds of percussion, 5 interchangeable attachments including the Heated Head Attachment, and a 2.5 lb weight, the Hypervolt 3 Pro delivers powerful, controlled relief through a pill-shaped slanted handle that feels natural in hand. It has a 4 hour battery life, connects via Bluetooth® to the Hyperice App, charges with an 18V wall charger, and stays impressively quiet with QuietGlide® technology, all packed into a premium travel case and ready to go wherever your training takes you.



Technical specifications

Speed

6 speeds of percussion for maximum control

Weight

2.5 lbs / 1.1 kgs

Attachments

5 (includes Heated Head Attachment)

Battery life

Up to 4 hours

Charging

18V wall charger

Features

Pressure sensor technology to guide your intensity

QuietGlide technology for near silent operation

Pill-shaped and slanted ergonomic handle

Includes premium carry case

TSA friendly for carry-on

FSA/HSA eligible

Bluetooth® connection to the Hyperice App to customize settings

What's included

Device

Hypervolt 3 Pro

Head attachments

Heated Head, Flat, Wedge, Fork, Cushion

Accessories

Carry Case

Charging

18V wall charger and international plugs





elements™ IC

Obturation System

Powered obturation with no strings attached.

Obturation is a critical step in the root canal procedure as it helps to prevent leakage, entomb remaining bacteria and reduce the chance of reinfection. The elements IC obturation system was designed to be used with the Continuous Wave warm vertical condensation technique. The new extended battery life and Inductive Charging Base makes the elements IC the latest technology for 3D endodontic obturation without cords or wires getting in the way.

Features & Benefits | A System Based Approach.

- 

Cordless emulation of the Elements Obturation Unit

 - » same Continuous Wave™ downpack tips
 - » same backfilling cartridges
 - » same performance-without the cord
- 

Ergonomic design for comfortable and balanced grip
- 

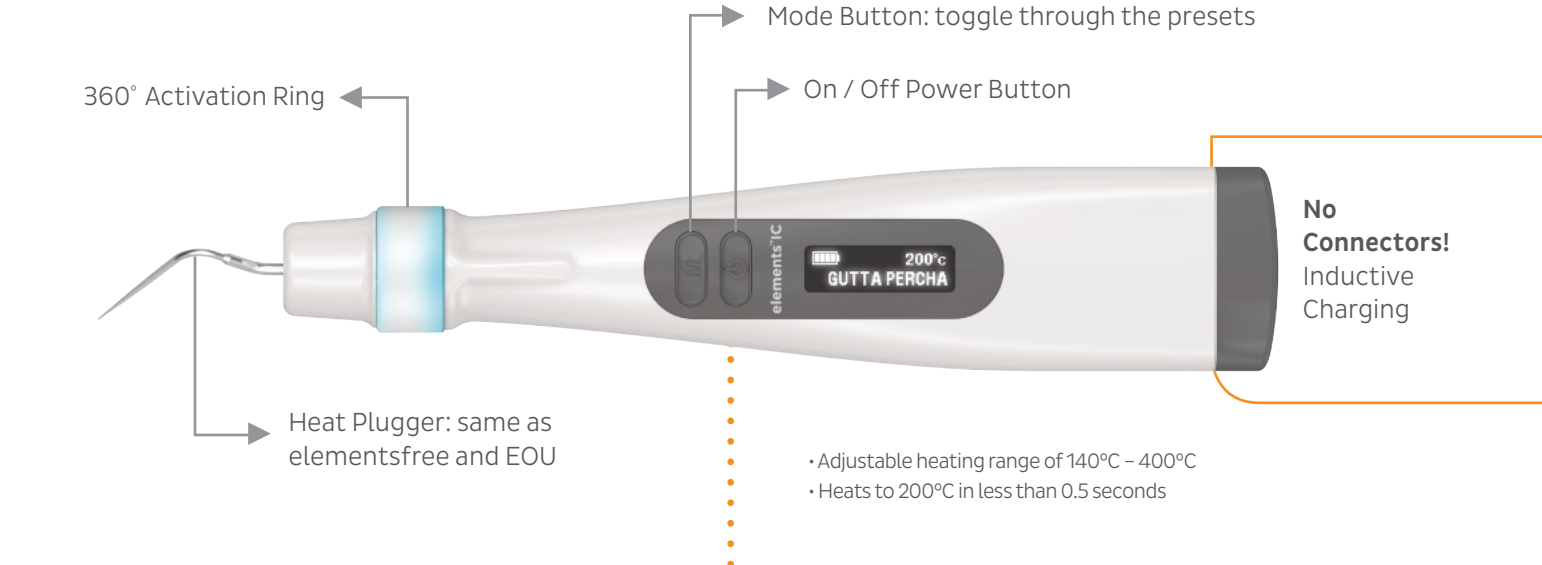
Batteries fully charge in less than 3 hours
- 

Inductive Charging:
NO ELECTRICAL CONNECTOR
between handpieces and base
- 

Gutta Percha cartridge level indicator,
for better planning of the procedure
- 

360° Ring on both handpieces for control
and comfort

Downpack Device



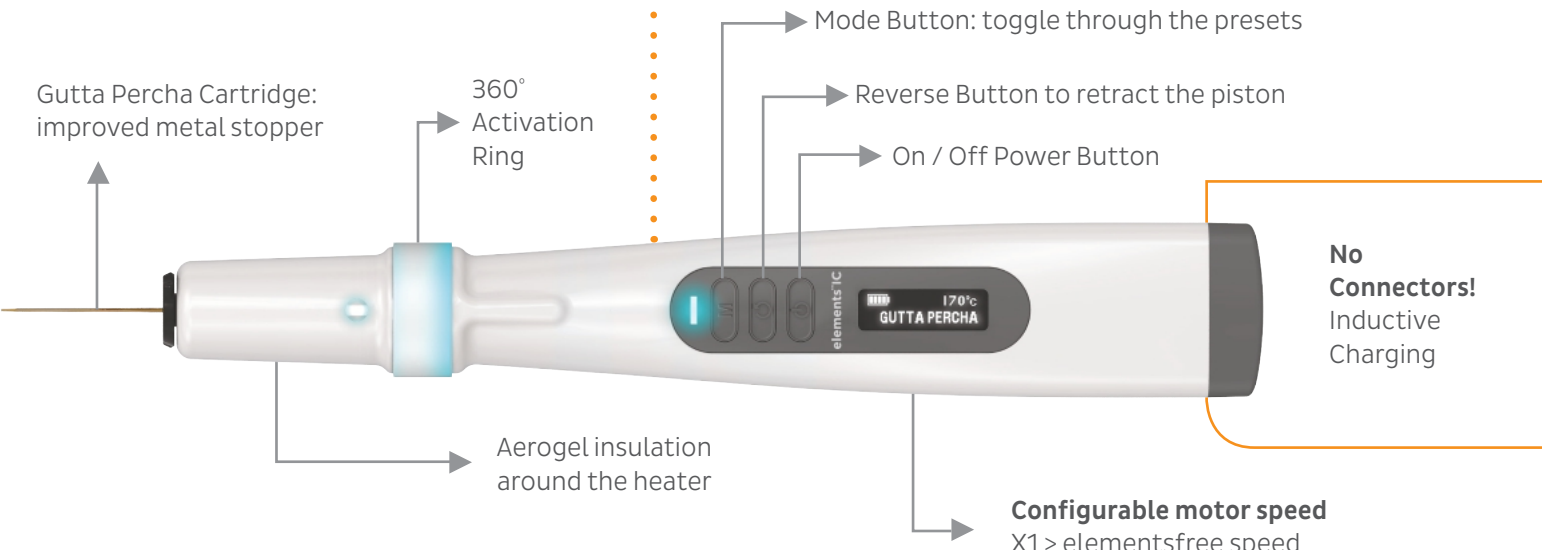
COMMON FEATURES

- Same screen
- Same digital interface
- Same controls
- Temperature display
- Organic Light Emitting Diode display (OLED)
- Same, easy to replace battery
- Volume control: 6 levels
- Preset temperatures for gutta percha and custom setting

- DOUBLE battery run time compared to elementsfree, more than 16 canals on a single charge
- Priming time at least 20% shorter compared to elementsfree
- Compatible with most common cleaning solutions
- Adjustable temperature range of 100°C – 230°C

Indicator	4	3	2	1	0
Gutta Percha Level	Full	75%	50%	25%	Empty

The indicator estimates how many canals you can obturate with the material left in the GP cartridge.

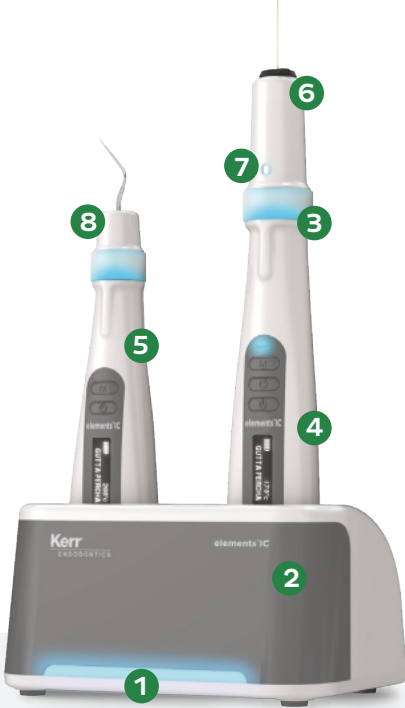


Backfill Device

Old elements™ free



New elements™ IC



MAJOR IMPROVEMENTS

1. Inductive charging for easier placement of the handpieces in the charging base
2. Extended battery life - TWICE the number of canals on a single charge compared to elementsfree
3. 360° ring switch on the backfill
4. Reduced extrusion time for the backfill - at least 20% compared to elementsfree
5. Ergonomic design
6. Better fit with current cartridges
7. Cartridge level indicator
8. Improved heat plugger locking system

● Old ● New

Ordering Information

973-0600-TYPEB	elements™ IC Obturation System
973-0602-TYPEB	Downpack Unit
973-0604-TYPEB	Backfill Unit
973-0610	Dual Charger
973-0612	Single Charger
973-0615	Transformer
973-0616-TYPEB	Power Cord
973-0620	Battery

Heated Pluggers

952-0007	Medium Large (ML)
952-0006	Medium (M)
952-0005	Fine Medium (FM)
952-0004	Fine (F)
952-0031	Extra Fine (XF)

elements Cartridge

972-1002	Gutta Percha, Medium Body, 23 Gauge - SILVER
972-1005	Gutta Percha, Heavy Body, 23 Gauge - SILVER
972-1003	Gutta Percha, Light Body, 23 Gauge - SILVER
972-2500	Gutta Percha, Medium Body, 23 Gauge - GOLD
972-2502	Gutta Percha, Heavy Body, 23 Gauge - GOLD
972-2501	Gutta Percha, Light Body, 25 Gauge - GOLD



A photograph of two surgeons in an operating room, wearing blue scrubs, masks, and caps. They are focused on a surgical procedure. A large blue circle is overlaid on the left side of the image, containing white and orange text.

Medtronic

Stick to the
essentials
of OR safety

Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clearify™
visualization system

Everything you need. In one place.

Juggling devices. Managing suppliers. Tracking countless product orders. Maintaining a safe and efficient OR shouldn't make your job more difficult. That's why we offer everything you need to optimize surgical care – in one place.



Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clearify™
visualization system

Situate™ detection system

Simplify OR safety

The Situate™ detection system accurately and reliably detects tagged sponges with **100 percent sensitivity and specificity**.^{13,†} And it does so in less time than manual counts.^{14,‡}

[Click here to view order codes](#)

95%
of clinicians agree that
the Situate™ system
improves confidence
in the final sponge
count.^{14,‡}



†When used in accordance with operating instructions as demonstrated by one study. Specific circumstances such as high BMI patients or external interference requires additional operating instructions. Please refer to the device IFU.

‡The Situate™ detection system is an adjunct to manual counting.

Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clearify™
visualization system

Valleylab™ smoke evacuation portfolio

Protect your patients – and team

With solutions for open and laparoscopic procedures, the Valleylab™ smoke evacuation portfolio helps your team see better^{4,5,†,Ω} – and breathe better^{5,6,‡,Ω} – during surgery. When used during your procedures, it will **effectively and efficiently remove smoke**.^{4,5,§,Ω}

[Click here to view order codes](#)

Go Clear
with us.

We're partnering with
AORN so you can help
protect your team from
surgical smoke.

[Get the details](#)

Medtronic

Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clearify™
visualization system

†10 out of 10 surgeons surveyed after use agreed the device improved visualization vs. nonevacuation

‡As compared with non-ULPA filtration or nonevacuation

§9 out of 10 surgeons surveyed after use agreed

ΩSubstantiated for SEL7010, SEP5000, SEP5015, SEP6000, SEP6015.

Valleylab™ FT10 energy platform

Power your performance

Built on nearly 50 years of innovation, the Valleylab™ FT10 energy platform manages energy delivery with precise algorithms – providing an improved surgical experience.^{1,‡} The platform uses **Tissuefect™ sensing technology** to actively monitor changes in tissue (impedance) and **adjusts output in real time.**²



100%
of nurses agree that
intelligent device
recognition provides
benefits to the
patient.^{3,†}

Order code | VLFT10GEN
Valleylab™ FT10 Energy Platform

Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clearify™
visualization system

†Product introduction testing July–October 2015, 13 of 13 nurses interviewed
‡As compared to the ForceTriad™ energy platform. 31 of 32 surgeons agree.

Valleylab™ REM patient return electrodes

Monitor with confidence

Synonymous with quality, safety, and innovation – the **Valleylab™ REM contact quality monitoring system** automatically deactivates the generator if a fault at the patient return electrode is detected. This helps prevent pad site injury.⁷

[Click here to view order codes](#)

Used in over
15.5M
procedures annually¹⁵

Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clearify™
visualization system



Force TriVerse™ electrosurgical device

Put precision in your hands

Like traditional pencils, the Force TriVerse™ device delivers cut and coagulation modes. But it also enables access to Valleylab™ mode – a unique combination of monopolar hemostasis and dissection. The result is a **smoother passage through tissue with less thermal effect** than traditional coagulation mode.⁸⁻¹⁰

[Click here to view order codes](#)

Valleylab™ mode
combines the
advantages
of cutting and
coagulation modes.



Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clearify™
visualization system

VersaOne™ access system

Reach any anatomy

The VersaOne™ system gives you flexibility and access – regardless of procedure type. The system is compatible with industry standard laparoscopic instruments,^{†,†} fitting seamlessly into your practice. With **fewer trocars to manage**, the VersaOne™ access system **frees clinical staff to focus more on patient care** and better assisting surgeons with increased consistency with the universal cannula.

[Click here to view order codes](#)



†Based on cannula diameter measurements

Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clarify™
visualization system

Clearify™ visualization system

Keep your eye on the patient

The Clearify™ device is an all-in-one, clinician-inspired system that enables **continuous visual clarity** throughout your procedure at the **touch of a button**.^{12,†}

Order code | 21-345

Clearify™ visualization system
10/case



Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clearify™
visualization system

†Results based on bench top testing

Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clarify™
visualization system

Clinician tested.¹⁻¹⁵
Patient focused.

From access to smoke safety –
from open to laparoscopic – our
OR essentials can support you
during every step of surgery.
Explore our portfolio to find
everything you need to
optimize your OR.

To learn more, visit
medtronicsolutions.com/essentials-of-OR-safety.

To place an order, contact Customer Service at 800-722-8772.

1. Based on internal report #RE00005401, Product validation of Valleylab™ FT10 surgeon & nurse evaluation in simulated use, January - February, 2015. 2. Based on internal memo #RE00256209 rev A, Valleylab™ FT10 memo control system resolution in VLFT10GEN. March 2020. 3. Based on internal report #RE00016807 rev A, Product introduction Valleylab™ FT10 energy platform report. April 2016. 4. Based on internal test report #RE00139506 rev A, Bourbon: Valleylab™ laparoscopic smoke evacuation system nurses and surgeons claims report. March 12, 2018. 5. Based on internal test report #RE00125194 rev A, Surgical validation report. July 2018. 6. Based on internal report Buffalo Filter #PR-17003 rev A (#RE00016346), ULPA filtration. Jan. 12, 2018. 7. Based on internal report #R0034404, System Requirements Verification Report - Electrical Orion. April 2016. 8. Based on internal test report #RE0068753, A quantitative comparison to conventional monopolar electrosurgery: L- hook monopolar drag force measurements. March 2017. 9. Based on internal test report #RE00115057, Monopolar performance of Valleylab™ mode on the Valleylab™ FT10 energy platform. September 2017. 10. Based on internal memo #RE00105221, Energy equivalence memo for the Valleylab™ FX8 and FT10 energy platforms (VLFX8GEN/VLFT10GEN). July 2017. 11. Based on internal test report #TMC-001. Trocar competitive measurements, applied total 5 mm solutions. June 29, 2012. 12. Based on internal test report #RE00383135 Rev B, Clarify™ Cleaning Efficacy Engineering Study. February 2022. 13. Williams TL, Tung DK, Steelman VM, Chang PK, Szekendi MK. Retained surgical sponges: findings from incident reports and a cost-benefit analysis of radiofrequency technology. *J Am Coll Surg*. 2014 Sep;219(3):354-364. 14. Rupp CC, et al. Effectiveness of a radiofrequency detection system as an adjunct to manual counting protocols for tracking surgical sponges: a prospective trial of 2,285 patients. *J Am Coll Surg*. 2012 Oct;215(4):524-533. 15. Based on internal DIY Sales Details Report, United States, FY21-FY24.

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medtronic.com/covidien

**Situate™ detection system**

Ordering information

Situate™ delivery system	Order code	Quantity
Situate™ Delivery System Kit (Delivery Console, Scanner & Stand)	01-0038	1/box
Situate™ Delivery System Console	01-0034	1/box
Situate™ Delivery Scanner	01-0035	1/box
Situate™ Delivery Stand	01-0036	1/box
Sterile Drapes for Delivery Scanner	01-0037	50/box

Situate™ detection system	Order code	Quantity
Situate™ Detection System X Kit (Console X, Body Scanner Lite, Room Scanner)	01-0047	1/box
Situate™ Detection System X Console	01-0043	1/box
Situate™ Room Scanner	01-0046	1/box
Situate™ Body Scanner Lite	01-0031	1/box
Sterile Drapes for Room Scanner	01-0020	50/box

Overview

 Situate™
detection systemValleylab™ smoke
evacuation portfolioValleylab™ FT10
energy platformValleylab™ REM
patient return electrodesForce TriVerse™
electrosurgical deviceVersaOne™
access systemClearify™
visualization system



Valleylab™ smoke evacuation portfolio

Ordering information

Smoke evacuators and systems

	Order code	Quantity
RapidVac™ Smoke Evacuator, 110V	SE3690	1/box
Valleylab™ Laparoscopic Smoke Evacuation System	SEL7010	10/case

Smoke evacuation pencils

	Order code	Quantity
Valleylab™ Smoke Evacuation Rocker Switch Pencil, Edge™ Blade Electrode 10'	SEP5000	50/case
Valleylab™ Smoke Evacuation Rocker Switch Pencil, Edge™ Blade Electrode 15'	SEP5015	50/case
Valleylab™ Telescoping Smoke Evacuation Rocker Switch Pencil, Edge™ Blade Electrode 10'	SEP6000	50/case
Valleylab™ Telescoping Smoke Evacuation Rocker Switch Pencil, Edge™ Blade Electrode 15'	SEP6015	50/case
Valleylab™ Smoke Evacuation Pencil, Coated Electrode	CVPLP2000	50/case

[Click here for full portfolio](#)

Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clarify™
visualization system



Valleylab™ REM patient return electrodes

Ordering information

Patient return electrodes	Order code	Quantity
Valleylab™ REM Polyhesive™ Adult Patient Return Electrode, 9' (2.7 m)	E7507	50/case
Valleylab™ REM Polyhesive™ Adult Patient Return Electrode, 15' (4.6 m)	E7507-DB	50/case
Valleylab™ REM Polyhesive™ Adult Cordless Patient Return Electrode	E7508	100/case (100 units total; each individually packaged)
Valleylab™ REM Polyhesive™ Adult Cordless Patient Return Electrode	E7509	50/case (50 units total; 5 per resealable package)
Valleylab™ REM Polyhesive™ Adult Cordless Patient Return Electrode	E7509-B	600/case (600 units total; 50 per resealable package)
Valleylab™ REM Polyhesive™ Infant Patient Return Electrode, 9' (2.7 m)	E7510-25	25/case
Valleylab™ REM Polyhesive™ Infant Patient Return Electrode, 15' (4.6 m)	E7510-25DB	25/case
Valleylab™ REM Polyhesive™ Neonatal Patient Return Electrode, 9' (2.7 m)	E7512	12/case

Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clearify™
visualization system



Electrosurgical pencils

Ordering information

Force TriVerse™ electrosurgical device

	Order code	Quantity
Force TriVerse™ Electrosurgical Device, Holster, 10'	FT3000	25/case
Force TriVerse™ Electrosurgical Device, Holster, 15'	FT3000DB	25/case

Standard electrosurgical pencils

	Order code	Quantity
Edge™ Rocker Switch Pencil, Blade Electrode, Holster, 10'	E2350H	50/case
Edge™ Rocker Switch Pencil, Blade Electrode, Holster, 15'	E2350H-DB	50/case
Valleylab™ Rocker Switch Pencil, Holster, 10'	E2515H	50/case
Valleylab™ Rocker Switch Pencil, Needle Electrode, Holster, 10'	E2515H-DA	50/case
Valleylab™ Rocker Switch Pencil, Holster, 15'	E2515HDB	50/case
Edge™ Button Switch Pencil, Blade Electrode, Holster, 10'	E2450H	50/case
Valleylab™ Button Switch Pencil, Holster, 10'	E2516H	50/case

[Click here for full portfolio](#)

Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clarify™
visualization system



VersaOne™ access system

Ordering information

VersaOne™ Universal Cannula	5 mm	11 mm	12 mm	15 mm
Short Length Fixation (70 mm)	UNVCA5SHF	–	–	–
Standard Length Fixation (100 mm)	UNVCA5STF	UNVCA11STF	UNVCA12STF	–
Standard Length Smooth (100 mm)	–	–	UNVCA12STS	–
Long Length Fixation (150 mm)	UNVCA5LGF	–	UNVCA12LGF	–

Sold six units per box

VersaOne™ Optical Trocar	5 mm	11 mm	12 mm	15 mm
Short Length Fixation (70 mm)	ONB5SHF	–	ONB12SHF	–
Standard Length Fixation (100 mm)	ONB5STF	ONB11STF	ONB12STF	ONB15STF
Standard Length Dual Fixation (100 mm)	ONB5STF2C	–	–	–
Standard Length Smooth (100 mm)	–	–	ONB12STS	–
Long Length Fixation (150 mm)	ONB5LGF	ONB11LGF	ONB12LGF	–
Long Length Fixation (150 mm)	–	UNVCA5LGF	–	UNVCA12LGF

Sold six units per box

VersaOne™ Blunt Trocar with Threaded Anchor	12 mm
Standard Length Smooth (100 mm) with threaded anchor	BPT12STS

Sold three units per box

Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clarify™
visualization system



VersaOne™ access system

Ordering information

VersaOne™ Bladeless Trocar	5 mm	8 mm	11 mm	12 mm	15 mm
Short Length Fixation (70 mm)	NONB5SHF			NONB12SHF	
Standard Length Fixation (100 mm)	NONB5STF	NONB8STF	NONB11STF	NONB12STF	NONB15STF
Standard Length Smooth (100 mm)				NONB12STS	
Long Length Fixation (150 mm)	NONB5LGF			NONB12LGF	NONB15LGF

Sold six units per box

VersaOne™ Bladed Trocar	5 mm	8 mm	11 mm	12 mm	15 mm
Short Length Fixation (70 mm)	NONB5SHF			NONB12SHF	
Standard Length Fixation (100 mm)	NONB5STF	NONB8STF	NONB11STF	NONB12STF	NONB15STF
Standard Length Smooth (100 mm)				NONB12STS	
Long Length Fixation (150 mm)	NONB5LGF			NONB12LGF	NONB15LGF

Sold six units per box

1



2



Overview

Situate™
detection system

Valleylab™ smoke
evacuation portfolio

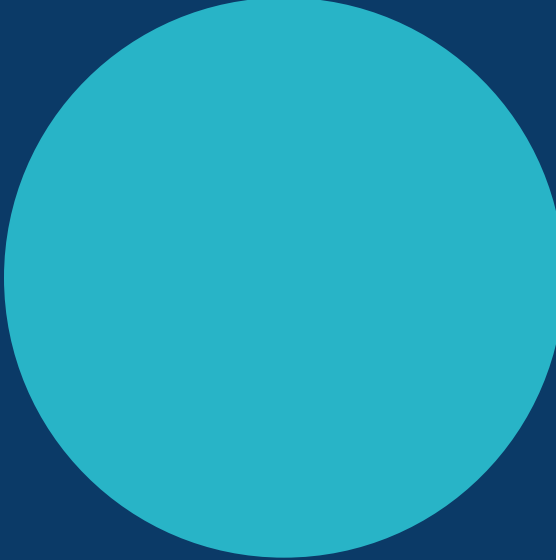
Valleylab™ FT10
energy platform

Valleylab™ REM
patient return electrodes

Force TriVerse™
electrosurgical device

VersaOne™
access system

Clarify™
visualization system



MEDICAL CARTS, STORAGE & WORKSTATIONS

Manufacturer brochures, specifications, and product literature curated for VA, hospital, clinic, laboratory, and healthcare facility requirements.

PureSteel™ Ergonomic WorkStation

PATENT PENDING

Meet instrument packaging and ergonomic standards

The PureSteel Ergonomic Workstation is designed to enhance the packaging of instruments. By providing illumination for the inspection of perforations in sterile wrap materials, staff can have more control over quality. Combined with an ergonomic workspace, worker safety is enhanced and productivity is increased. An array of accessories are also available to accommodate the specific needs of each department.

- Table top light provides illumination for inspection of sterile wrap materials
- Height-adjustability allows technicians to perform tasks while standing or seated
- Ergonomic-friendly drawer, shelving and accessories assist in diminishing repetitive task fatigue and injury
- Numerous accessories such as wire baskets, storage bins and electronic monitors are available
- Wide counter space provides more room for larger instruments and wraps
- Equipped with eight electrical outlets and underside cord management
- Casters allow for mobility
- Optional Organizational Rail organizes peel pouch rolls, stickers, and other sterilization materials easy dispensing and filling
- Optional Peel Pack Rack Shelf vertically stores and organizes pre-cut peel pouch packets on a back wall shelf



Meet compliance:

“When using woven wraps, sterile processing personnel should ... inspect wraps before each use for holes, worn spots, and stains.”

“When choosing and using non-woven wraps, sterile personnel should ...inspect wrap to ensure that it is free of defects that could have an adverse effect on the performance of the material.”

ANSI/AAMI ST79:2017, 9.1, Packaging Standards

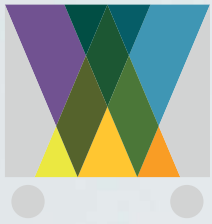
Available in 48", 60", 72" and 78" lengths.



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PROCESSING

For more information:

VISIT www.pure-processing.com OR CALL 877.718.6868



WATERLOO HEALTHCARE

Better Carts for Better Outcomes

ISOLATION CARTS



**HOW ARE YOU
PROTECTING YOU
AND YOUR PATIENTS
FROM INFECTION?**

800.833.4419
waterloohealthcare.com



**WATERLOO
HEALTHCARE**

Better Carts for Better Outcomes

ISOLATION CARTS

Access to isolation supplies has never been easier or more efficient!

Our isolation carts offer storage for caps, gowns and masks as well as handy accessories like glove box holders, waste baskets and coat hooks. Whether you need the storage capacity of a full size cart or require a more compact use of space, Waterloo has you covered.

FEATURES

- 3", 6", 9" or 12" Drawers
- 16 Available Drawer Front Colors
- Dual Pullout Side Shelves
- Metal Drawer Dividers Included
- Easy-Roll Casters
- Self-Closing Ball Bearing Slides
- Multiple Lock Options Available

ALSO AVAILABLE WITH
GATE LOCKING SYSTEM



ISOLATION ORGANIZERS
Waterloo also offers a wide variety of wall mount, door mount or free-standing isolation organizers.



RECOMMENDED ACCESSORIES



SINGLE GLOVE BOX HOLDER

Universal glove box mask holder. User adjustable to accommodate various box dimensions.

GMH-1



TRIPLE GLOVE BOX HOLDER

Glove box holder that will hold 3 glove boxes and mounts to accessory rails.

BH-3



WASTE BASKET

Large 20 quart plastic waste basket shown

BSK-2 (20Qt)

BSK-1 (6Qt)



SHARPS CONTAINER BRACKET

Accommodates standard 5Qt sharps container. Locking version also available.

SB-2



WIRE CHART HOLDER

Wire notebook holder.

WNH-1



WATERLOO HEALTHCARE

Better Carts for Better Outcomes

UNICART OWNERS MANUAL

Thank you for your purchase of a Waterloo Healthcare Unicart.

Please read this document for important
information regarding your new cart.



If you have any questions, please feel free to contact Customer Service at
(800) 833-4419 or email csr@waterloohealthcare.com

ASSEMBLY

The cart should come fully assembled except for the push handles. These handles can be mounted on either side of the cart. Typically they are mounted on the left hand side when facing the front of the cart. Instructions for mounting the push handles are included in the cart.

If you ordered accessories with your cart, they will need to be mounted to the cart as well. These accessories should come with their own instruction sheets if they are needed.

OPERATION

LOCKING/UNLOCKING YOUR CART

Depending on which lock you chose to have pre-installed on your cart, they will work in different fashions.

KEY LOCK



To unlock the cart, insert the key into the cart and turn the key in the direction noted above the key lock on the clear label. You can remove the key from the lock in the locked or unlocked position of the cart.

LEVER LOCK



Simply flip the metal lever to the unlocked position to unlock the cart, and back to the locked position to lock it. While in the locked position, you can insert a plastic seal to keep the contents safe from tampering (*Package of 100 plastic seals is available for purchase from Waterloo, part number PS-100*).

If you chose one of the locks below, special instructions will be provided on how to unlock/lock cart, change the combination and program new codes or proximity cards.



SIMPLEX (pushbutton)



COMBINATION ELECTRONIC



PROXIMITY ELECTRONIC

PLASTIC TOP

A removable plastic top was included with your cart. This top is made from ABS plastic and can be removed and cleaned using common cleaners. If a replacement top is needed, please call Waterloo customer service.

CASTERS

The cart has four (4) casters total.



Total Lock (2)

Allows you to keep the cart from moving in any direction



Directional Lock (1)

Allows you to set it in a direction and easily push and turn the cart



Swivel (1)

OPTIONAL ACCESSORIES

Use only official Waterloo Healthcare brand accessories on your cart. These accessories are designed to seamlessly integrate with your cart. Attempting to use any other brand of accessories may damage the cart and void the warranty. We have plenty of options to choose from. Please call our customer service department at (800) 833-4419 or visit our website at <http://www.waterloohealthcare.com>.

SPARE PARTS

Below is a list of common spare parts that might be needed and their corresponding part numbers:

CP-1	Replacement caster package (includes 4 casters: 2 total lock, 1 direction lock, 1 total swivel)
W-AUTOSLIDEKIT	Complete auto close slide kit, includes two slides and hardware
T-2 / T-3 / T-JR	Replacement plastic top for Steel / Aluminum / Junior & Economy Carts
BUMPER-1	Complete bumper replacement kit, includes two bumpers and hardware
SH-ERGO	Replacement ergonomic handles for steel cart
SH-ALUM-ERGO	Replacement ergonomic handles for aluminum cart
M12918A10-SS	Replacement lock (Keyed differently)
M12918A10-SS-8052	Replacement lock (Keyed to 8052)
A15902A1	Replacement lever lock

MAINTENANCE

The following maintenance should be performed monthly on your cart. Performance of this maintenance will keep your cart safe and ready for any situation. It will also extend the life of the cart.

CASTERS

- Inspect casters and remove any materials that could cause caster to not turn or swivel freely such as hair, carpet fibers, cloth, or anything else that could be picked up during operation of the cart.
- Inspect brake and directional locking casters to be sure pedals function properly.
- Inspect wheel of caster to be sure there are no flat spots that could have been caused by the cart being pushed while the brake caster was engaged.
- DO NOT lubricate the casters. Lubrication is not needed on these casters and will ruin them.

LOCKING MECHANISM

- Inspect locking mechanism to be sure that it locks and unlocks without obstruction and does so consistently.
- Be sure there are no loose components such as the lock core or lever lock.
- If it is a simplex pushbutton or electronic locking cart, test the combination and the override key to be sure both function properly.

DRAWERS

- Pull each drawer all the way out until it stops and be sure drawer is engaged on track properly. Drawer should not come off of track without pressing on a lever on each slide of the drawer.

CLEANING

- Standard household cleaning products are recommended
- Full strength bleach is NOT recommended.

RECOMMENDED CLEANERS

- Diluted bleach solution (Up to 10% bleach)
- CaviWipes
- Sani-Cloth Plus
- Clorox Bleach Germicidal Wipes
- Micro Kill AF2
- PDI Super Sani-Cloth®

SAFETY WARNINGS AND CAUTIONS

- DO NOT STAND on this product. You could fall which could cause personal injury. When moving this product, do not pull it. Push the product to prevent personal injury.
- USE THE BRAKES when not moving this product. This will prevent the product from rolling, which could cause personal injury or product damage.
- BE CAREFUL when opening more than one drawer. The product could become unstable and tip, which could cause personal injury or product damage.
- DO NOT MOUNT the product on a truck bed or any other moving object. This could cause personal injury or product damage.
- DO NOT STEP into the drawers. You could fall which could cause personal injury.
- WEAR SAFETY GLASSES when removing or repositioning the slides.
- DO NOT TOW with power equipment. The product could tip, which could cause personal injury or product damage.
- DO NOT ALTER the product in any manner, unless approved by the manufacturer. Keep the product on level surfaces. The product could become unstable and tip if stored or moved on an unlevel surface, which could cause personal injury or product damage. Lock the drawers and doors before moving this product. The drawers or doors could come open and make the product unstable and tip, which could cause personal injury or product damage.

WARRANTY

Waterloo Healthcare (Seller) warrants the products it manufactures to be free from defects in material and workmanship under normal and proper use and service for a period not exceeding (5) years from the date of delivery to the original location.

This warranty does not apply to any product that has been subject to abuse, misuse, negligence, modification, normal wear, or an accident (dents & scratches are considered normal wear).

Electronic components and plastic parts have a one (1) year warranty under the aforementioned conditions of use.

The Seller's liability is limited to the cost of the repair or replacement of any products (at its factory) which fail to comply with the foregoing warranty. In no event shall the seller be liable for any consequential damages claimed as a result of breach of the foregoing warranty.

The Purchaser must reference the original purchase order number or Seller's invoice on any claims. The Seller will determine if the products should be returned to the factory or if parts should be sent to the customer for repair of the product.

The warranty stated herein is in lieu of all warranties, expressed or implied, including but not limited to, merchantability or fitness for a particular purpose.



WATERLOO
HEALTHCARE
Better Carts for Better Outcomes

www.WaterlooHealthcare.com
F989A5 REV0423



**WATERLOO
HEALTHCARE**

Better Carts for Better Outcomes

PRE-MOUNTED ACCESSORIES

For a small (*per cart*) fee, Waterloo Healthcare can pre-mount most accessories prior to shipment. This virtually turn-key solution allows you to roll your new carts into service right off the delivery truck.

Contact your local Waterloo Representative or our Customer Service Team and they can walk you through the process.

Our team will help you determine locations for each accessory using our cart configuration worksheet. Once your accessory configuration has been determined, we will provide you a quotation that includes pre-mounted accessories. Pricing is commensurate with the number of accessories that require pre-assembly.

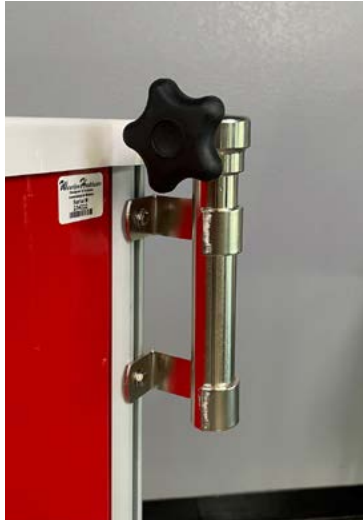
NOTE: *There are certain components that will need to be mounted on-site. Items such as IV poles, tilt bins, defibrillator shelves (that extend high above the cart) will need to be mounted by the customer on-site due to freight damage risk. We will mount the brackets for these items at the factory, so all you need do is slide the IV pole into place, mount the defibrillator shelf with one screw, and/or hang the tilt bins on the factory installed trellis rail.*



Below are images of an emergency cart pre-configured with common accessories and ready for shipment.

ACCESSORIES THAT REQUIRE LIGHT ON-SITE ASSEMBLY

IV POLE (IV-2)



IV pole bracket is secured to the cart.



The IV pole itself needs to be slid into position on-site. No tools required.

VERTICAL BASE RAIL SYSTEM (BRS-2)



Base rail system will be installed as shown above. Any hanging accessories must be attached by the customer.

SWIVELING MONITOR SHELF (ER-SHLF)



Vertical support pole secured to the cart.



The defibrillator tray itself needs to be mounted on-site with the included bolt and hex wrench.



OTHER COMMON ACCESSORIES

CARDIAC BOARD BRACKETS (CBB-9)



Waterloo can install cardiac board brackets.

HANDLES



Waterloo can install the push handles.

OXYGEN TANK BRACKET (OTB-5)



Waterloo can install oxygen tank bracket onto the mounting panels.

Pre-assembled accessories is a great option when transitioning an entire fleet of emergency carts. It allows your team to focus on stocking and deploying the carts, not the assembly.

Carts with pre-assembled accessories will take up more room in a truck for shipment. So bear in mind there may be increased freight costs as we prefer to use dedicated trucks for carts with pre-assembled accessories.

Contact us for more information on pre-assembled accessories!



MEDICATION CARTS SL28BIN5-EKC

STANDARD LINE MED BIN CART with 28 – 5 inch Bins w/Elec. Keypad Lock

Features:

- Painted steel cabinet and aluminum drawers
- Dual column medication cart with 28 - 5" wide medication bins
- Dividers and labels included
- Single width narcotics drawer
- Electronic locking cart with keypad access and key lock override with a BEST® brand lock
- Drawers automatically re-lock after access (pre-set or programmed time)
- Access rights may be assigned for up to 250 users per cart. May add, edit, or delete user and user groups
- Operates with six D-cell Batteries; life 1 year minimum at 25-50 uses/day
- Lock has an LED low battery indicator
- Painted pull-out shelf
- Ball-bearing, full extension drawer slides
- Plastic replaceable top with integrated push handles
- Protective corner bumpers
- 5" ball-bearing premium rubber casters, full swivel, two with toe locking brake and one directional
- Heat sealed powder coat finish
- 12-Year Manufacturer's Warranty on shipments to US and Canada, 5-Year Manufacturer's Warranty on all other International shipments.
- 1-Year Limited Warranty on any bought-out parts

Color shown is Navy.
More than 20 additional
colors are available.



Standard Line Med Bin Cart with 28 - 5" Bins w/Elec. Keypad Lock

Standard Line med carts include narcotics storage and dividers to match your medication packaging. Ensure that you receive a ready to use cart that will meet the demands of Long Term Care.

Left Column Drawer Configuration:

- 1 ea – 4" multipurpose storage drawer
- 7 ea – 3.25" med bin drawers with 4 – 5" bins per drawer
- 1 ea – 6.5" multipurpose drawer with adjustable dividers

Right Column Drawer Configuration:

- 1 ea – 9.75" locking narcotics drawer
- 2 ea – 9.75" multipurpose storage drawer

Assembled Cart Dimensions:

- 45.75" H x 43.75" W x 24" D (116.2 cm H x 111.13 cm W x 61 cm D)
- Writing surface: 44" (111.8 cm)
- Cart weight: 228 pounds (103.6 kg)
- Approx. shipping dims: 57" H x 47" W x 24" D (144.8 cm H x 119.4 cm W x 68.6 cm D)
- Approx. shipping weight: 270 pounds (122.7 kg)



Engineered &
Manufactured
in the U.S.

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<https://www.harloff.com/product-category/specialty-packaging-carts/>

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www.harloff.com • Ph: (719) 637-0300





MED-BIN CARTS

VLT18BIN3

VALUE LINE MED-BIN CART with 18 3.5" Med-Bins and Standard Key Lock

Features:

- Painted steel cabinet and drawers
- Tall cabinet with key locking system with 4 keys
- Internal narcotics box in top 9" drawer
- Pull out side shelf
- Includes 18 Harloff 3.5" medication bins with dividers and labels
- Bumper frame with projected front casters and (4) corner bumpers
- 5" ball-bearing premium casters, all full swivel, - one with brake, one directional
- Painted steel top rail/push handle
- Antimicrobial plastic top, removable
- Full extension ball-bearing drawer slides
- Cart is delivered fully assembled
- Pre-threaded accessory mounting holes
- Heat sealed powder coat finish
- Certified "Latex Free"



Engineered &
Manufactured
in the U.S.

Color shown is Beige.

More than 20 additional colors are available.

Value Line Med Bin Cart with 18 3.5 inch Bins, Standard Key Lock

Harloff's value medication carts offer many of the same features our customers love in our large med carts at an economical price point. This economy med cart has become our fastest growing small med cart.



Drawer Configuration:

- 1 - ea 3" multipurpose storage drawer
- 3 - ea 3" bin drawers including 6 - 3.5" bins each
- 1 - ea 9" drawer with 1 divider and locking narcotics box
- 1 - ea 9" drawer with 2 adjustable dividers
- Internal Drawer: 23" W x 17" D (58.5 cm W x 43.2 cm D)

Assembled Cart Dimensions:

- 46.75" H x 29.5" W x 22.5" D (121.3 cm H x 75 cm W x 57.2 cm D)
- Writing surface: 43.25" (109.9 cm)
- Cart weight: 150 pounds (68.2 kg)
- Approx. shipping weight: 190 pounds (86.4 kg)
- Approx. shipping dims: 57"H x 33" W x 26" D (144.8cm H x 83.8cm W x 66cm D)

Warranty: 12-Year Manufacturer's Warranty, 1-Year Limited Warranty on any bought-out parts



View similar products online at

<https://www.harloff.com/product-category/med-bin-medication-carts/>

Toll Free: (800) 433-4064 • medicalsales@harloff.com
www.harloff.com • Ph: (719) 637-0300



At Waterloo Healthcare, we design, manufacture, service, and sell the best and most durable, fully-welded frame, unibody-framed medical storage carts in the world.

Our high quality and flexible medical cart solutions can accommodate any clinician's needs and are offered in traditional steel and aluminum constructions.

TRADITIONAL STEEL



ELITE ALUMINUM



Which One Is Right for You?

Our steel carts are economical and are ideal for environments where:

- Cart remains fairly stationary
- No need for many exterior mounted accessories
- Traditional look is preferred
- Some additional cart-top work surface is needed
- Drawer dividers are not required
- Budget conscious solution is a priority

Our aluminum carts are 30% lighter and are most fitting in environments where:

- Cart fairly nonstationary and moved frequently
- Cart needs lots of exterior mounted accessories
- Contemporary look is preferred
- Maximum cart-top work surface is needed
- Most drawers require dividers
- There might be future need to add individual drawer locks easily
- Overall best value solution is important

	Traditional Steel	Elite Aluminum
Unicart Construction	✓	✓
Self-Closing Ball Bearing Slides	✓	✓
Easy-Roll Casters	✓	✓
Pullout Work Shelf	1	2
Universal Accessory Mounting System	X	✓
Includes a Drawer Divider Set	X	✓
Lightweight	X	✓



**WATERLOO
HEALTHCARE**
Better Carts for Better Outcomes

LIGHTWEIGHT ALUMINUM CART

Factor in your savings on drawer dividers and your cost to upgrade from a steel to aluminum cart can be virtually **FREE!**



DUAL SLIDE OUT SHELVES

Effectively doubles work surface

CUTAWAY PLASTIC TOP

Minimizes wrist strain when writing or working on the cart's surface

ERGONOMIC PUSH HANDLES

Cart control has never been easier!

CORNER MOUNTING TRACKS

Allows accessories to be mounted in virtually any position on the cart

STABILIZING FRAME

Wider wheel base offers superior stability during transport

GATELOCK SYSTEM

Lock drawers independently with Waterloo Gatelocks

DRAWER DIVIDERS INCLUDED!

The patented U-Divide™ System included in every drawer

STYLISH DRAWER PULLS

Attractive drawer pulls add style and provide a larger grabbing surface



ALUMINUM CART Features & Benefits

Features listed in **BLUE** are exclusive to Waterloo Aluminum Carts

BUILT-IN DRAWER DIVIDERS

This eliminates the need for expensive plastic drawer trays and allows for out-of-the-box customization
(Up to a \$400 SAVINGS!)

NEW DRAWER HANDLE DESIGN

Larger drawer handle offers easier to grab surface. Aesthetically appealing curved design moves away from the "Tool Cart" image to create a more "Suite Like" patient environment.

CENTRALLY LOCATED LEVER LOCK

Robust "metal on metal" locking on two sides of each drawer. Keeps heavy fluid drawers secure during transport AND offers unequalled protection against theft.

CORNER TRACK ACCESSORY MOUNTS

Provides flexibility in positioning accessories to fit your needs.

WIDE WHEEL BASE/STABILIZING FRAME

More stable work platform that reduces risk of tipping.

TRACKING CASTER

Locks in position to act as a rudder and aid in maneuverability.

LOCKING OPTIONS

Flexible security options, including Key, Breakaway, Keyless, Electronic and Proximity.

DUAL SLIDE OUT SHELVES

Effectively doubles work space on top of your cart! Creates room for charting/documentation on one side and an area to draw up meds and/or prep equipment on the other.

CUTAWAY FRONT PLASTIC TOP

Ergonomically advantageous as it minimizes wrist stress when using the top as a writing surface.

NYLON REINFORCED POLYCARBONATE BUMPERS

Incredibly durable yet extremely lightweight, and WILL NOT RUST. Color goes all the way through the material, so cuts and scrapes don't show as easily. One piece construction prevents delamination over time, unlike rubber on steel bumpers.

LIGHTWEIGHT ALUMINUM CONSTRUCTION

Easier to maneuver and especially easier to STOP, minimizing the risk of running into staff and patients.

INDIVIDUALLY LOCKING DRAWERS

Minimizes need to restock/reinventory all drawers, freeing up staff for more important tasks.

ERGONOMIC PUSH HANDLES

Facilitates maneuverability.

FIVE YEAR WARRANTY

WE ARE THE MANUFACTURER

Waterloo IS the manufacturer. Hand-building our carts allows for more flexibility and customized design requirements. We are always poised and ready to create a purpose built cart for you!

PureSteel™

Ergonomic Workstation and Wrap Inspection Tables



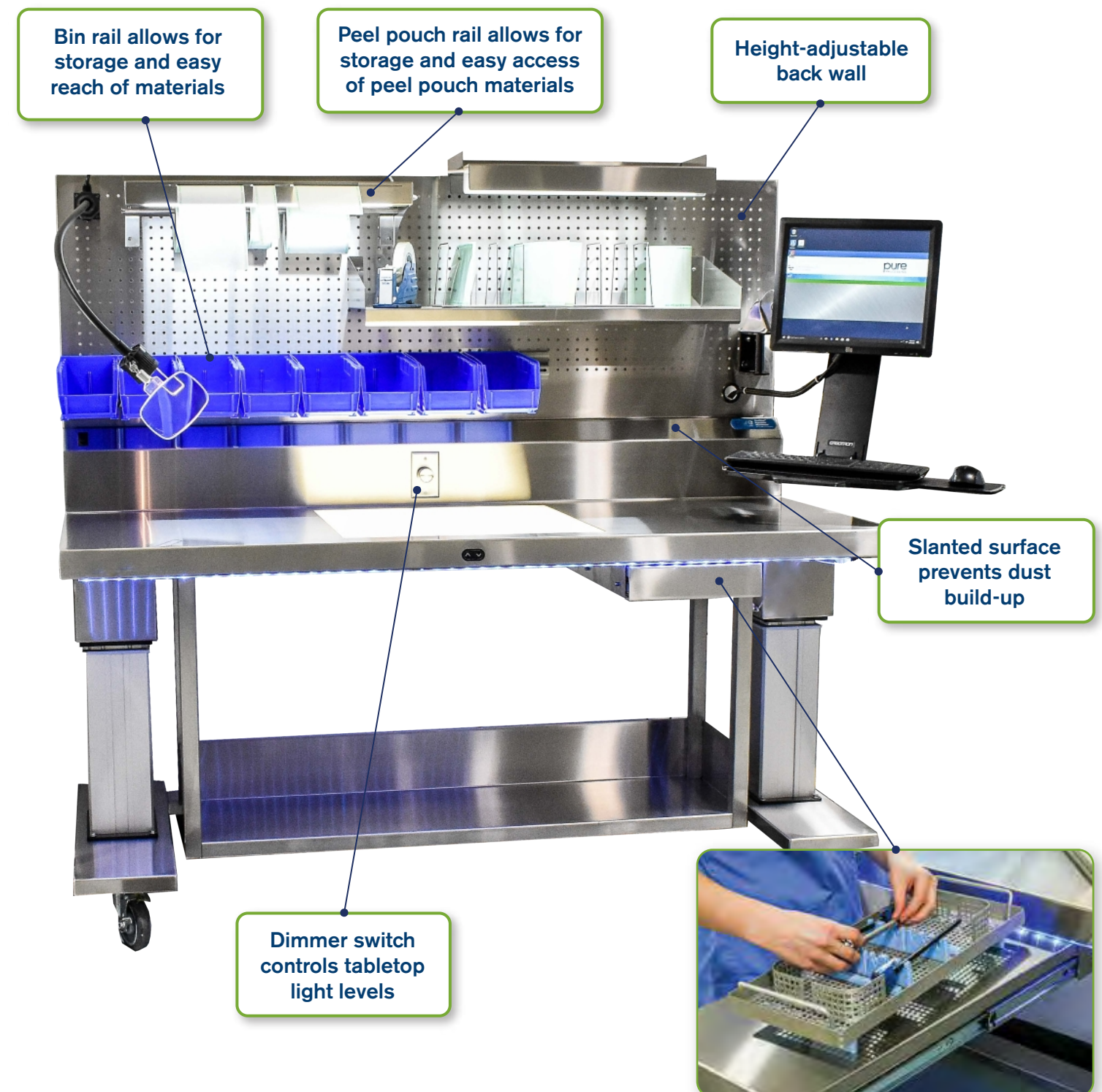
pure
PROCESSING

PHONE 877.718.6868 WEB www.pure-processing.com

PureSteel™ Workstation and Wrap Inspection Tables

Engineered by experts for understand the reprocessing space, PureSteel Ergonomic WorkStation and Wrap Inspection Tables are designed to enhance the inspection and packaging of instruments. By providing illumination for the inspection of instruments and perforations in sterile wrap materials, staff can have more control over quality. Height-adjustability and enhanced lighting help to improve staff safety and increase productivity. An array of accessories are also available to accommodate the specific needs of each department.

PureSteel Ergonomic Workstation



To see a video demonstration, go to www.pure-processing/resources/videos/

PureSteel™ Packaging and Assembly Solutions

PureSteel Wrap Inspection Table and Mini Wrap Inspection Table

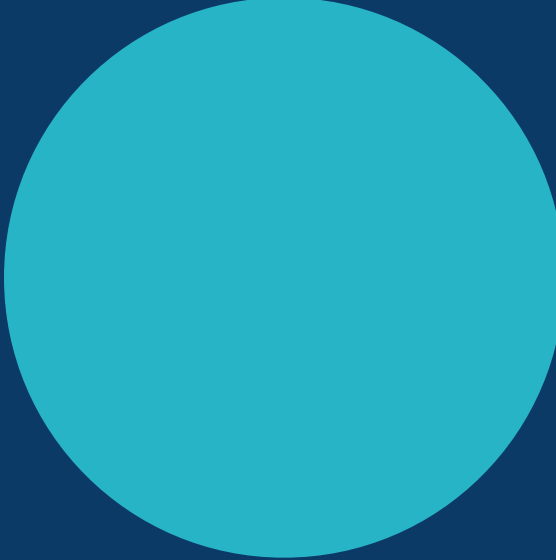
The PureSteel Wrap Inspection Table is designed to organize and enhance the packaging and assembly of instruments. Combined with a back wall rack in which to hang wraps, the table top light provides illumination for the inspection of perforations in sterile wrap materials.

The PureSteel Mini Inspection Table is designed to provide sterile wrap inspection abilities in smaller spaces. The mobile table features an illuminated table top and lower shelf for storage of materials.



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LABORATORY, PATHOLOGY & SPECIALTY SYSTEMS

Manufacturer brochures, specifications, and product literature curated for VA, hospital, clinic, laboratory, and healthcare facility requirements.



Superior sectioning results – **perfectly simple**

Epredia Rotary and Sliding Microtomes
For research and clinical laboratories





Section safely with **excellent quality**

Microtomes from Epredia are designed to be precise and stable, helping to yield superior sectioning results for even the most difficult-to-cut paraffin sections.

Designed with the end user in mind

- With both automatic and manual options available, we have the right fit for you, your lab, and your paraffin sections

Specificity in action

- User-friendly control panels facilitate flexibility
- Fully-adjustable to ensure the correct thickness

Non-tiring comfort

- Ergonomic designs with integrated waste trays to save you time and energy
- Emergency stop features to keep you safe (Epredia HM355S only)

The total solution

- Wide variety of steel low- and high-profile blades for cutting various tissue types
- Epredia Cool-Cut and Epredia™ Section Transfer System™ (STS) assist in placing cooled, wrinkle-free sections on glass microscope slides
- Get peace of mind with Epredia service contracts that include preventative maintenance and thorough, expedited repairs, ensuring minimal downtime in your laboratory



Lean sectioning

Improve workflow at the microtome by transferring sections directly onto slides as they are generated. Combining an Epredia microtome with a water bath and Epredia™ SlideMate™ AS or SlideMate Pro slide printer offers straight-forward, cost-effective means of simultaneously streamlining workflow and reducing the risk of sample identification errors.

Rotary Microtomes

Designed for precision and stability to help labs achieve quality ribbons even with difficult-to-cut paraffin sections.



Manual

Epredia HM 325

A premier manual rotary microtome with additional capability to support rapid set-up and cleaning for improved workflow.

- 64 mm vertical stroke can accommodate Epredia™ Super Mega™ Cassettes in horizontal orientation
- Wrap-around, detachable waste tray for safe and speedy debris collection and disposal
- XY fine orientation and zero positioning for rapid re-orientation of pre-cut blocks
- Ultra-light touch, ergonomic flywheel
- Optional Epredia Section Transfer System supports workflow transition from ribbon to slide
- Compatible with Epredia Cool Cut to extend cutting periods for efficient step and serial sectioning

HM 325 manual microtome	902100
• With E blade holder	902100A
• With ER blade holder	902100ER

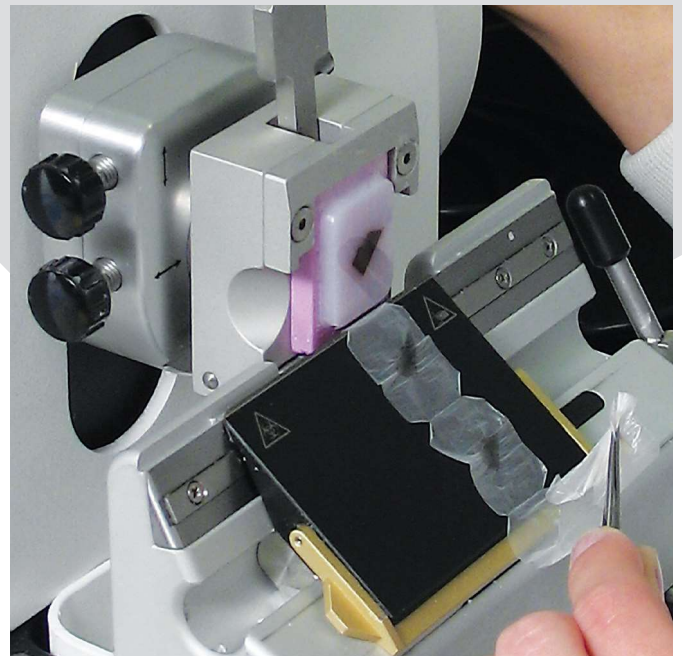
Semi-automated

Epredia HM 340E

A semi-automated rotary microtome combining mechanized feed with manual cutting.

- 72 mm vertical stroke for efficient sectioning of macro and Super Mega Cassettes
- Memory function for specimen positioning with XY fine orientation and wraparound waste tray to speed up preparation and clean-up
- Ergonomic removable control panel to suit user preferences
- Compatible with Epredia Section Transfer System and Epredia Cool Cut

HM 340E semi-automated microtome	905190
• With E blade holder	905190A
• With ER blade holder	905190ER



Fully automated

Epredia HM 355S

A fully automated microtome with four mechanized cutting modes to deliver exceptional sections across an extensive range of specimen types.

- 72 mm vertical stroke for efficient sectioning of Super Mega Cassettes and other large samples
- Choice of manual or mechanized sectioning
- Single, multiple, interval and continuous cutting modes for optimum control according to sectioning requirements
- Unique “double-tap” startup is designed to prevent accidental operation
- Compatible with Cool-Cut and Section Transfer System for improved workflow
- Programmable cutting window to define the sectioning area for more efficient sectioning
- Memory function for specimen positioning with XY fine orientation and wraparound waste tray to speed up preparation and clean-up
- Ergonomic removable control panel to suit user preferences
- Emergency stop, manual, and electronic brake

Histological examination continues to be the gold standard for detection, diagnosis and characterization of many clinical conditions



HM 355S fully automated microtome 905200

- With E blade holder 905200A
 - With ER blade holder 905200ER
-

PYREX[®] Laboratory Glassware

Fuel your expertise with the lab glassware trusted by scientists for more than 100 years.

PYREX[®]

A Corning Brand





Table of Contents

Exceptional strength and stability. Brilliant transparency. Superior resistance to chemicals, contaminants, and drastic changes in temperature. These are among the key properties that enable PYREX® glass to endure even the toughest laboratory environments, making PYREX scientific glassware the indispensable partner for chemists and research scientists for more than 100 years.

PYREX® Glassware	3
PYREX VISTA™ Glassware	4
PYREXPLUS® Glassware	5
PYREX Low Actinic Glassware	6

PYREX[®] Glassware

Of the hundreds of commercial glasses produced, Code No. 7740 borosilicate glass comes closest to being the ideal glass for most laboratory applications. With proper care, it will withstand nearly all temperatures used in normal laboratory use. It is highly resistant to chemical attack. Its low coefficient of expansion allows it to be manufactured to suit a variety of wall thicknesses, tailored to different purposes. This mechanical strength is not solely dependent on wall thickness but is also influenced by the glass formula and type, ensuring durability while maintaining reliable heat resistance.

Ordering Information

Cat. No. (Series)	Volumes	Description	Pack/Case
1000	10 mL - 4L	Beakers, low form, double scale, graduated	6 to 48
1395	25 mL - 10L	Media storage bottles, round, screw cap	1 to 10
3023	25 mL - 2L	Cylinders, Class A, double metric scale, to deliver	1 to 24
4980	10 mL - 6L	Erlenmeyer flasks, narrow mouth, heavy duty rim, graduated	1 to 48
5640	1 mL - 6L	Volumetric flasks, Class A, PYREX standard taper stopper	1 to 12
9820	0.5 mL - 70 mL	Culture tubes, rimless	192 to 720
9825	9 mL - 170 mL	Culture tubes, screw cap	48 to 288



PYREX[®] VISTA[™] Glassware

PYREX VISTA glassware is an economical option for the customer who is willing to forgo the premium benefits of PYREX products. Manufactured to Corning/PYREX standards and priced competitively against comparable products, PYREX VISTA glassware offers a full range of products from beakers to pipets and is easily recognized by its blue graduations and novel marking spot.

Ordering Information

Cat. No. (Series)	Volumes	Description	Pack/Case
70000	10 mL - 1L	Beakers, standard low griffin	12 to 24
70024	10 mL - 500 mL	Cylinders, Class A, single metric scale, graduated, funnel top, to deliver	8 to 24
70980	125 mL - 1L	Erlenmeyer flasks, narrow mouth	12 to 24
70640	10 mL - 2L	Volumetric flasks, Class A, glass standard taper stopper	2 to 12
70800	9 mL - 70 mL	Test tubes, beaded rim	200
70825	9 mL - 55 mL	Culture tubes, screw cap, phenolic cap	200

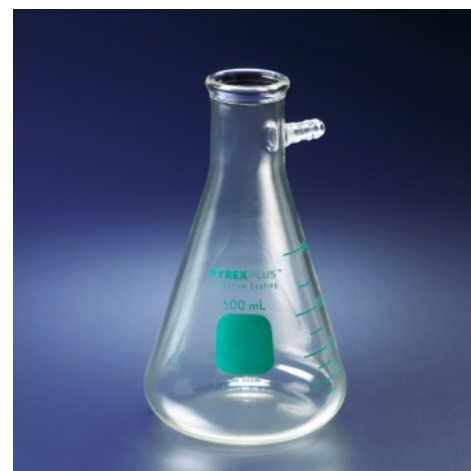


PYREXPLUS® Glassware

PYREXPLUS glassware is coated with a tough, transparent plastic vinyl. The coating, which is applied to the outside of the vessel, helps prevent exterior surface abrasion. It also helps minimize the loss of contents and helps contain glass fragments if the glass vessel is broken.

Ordering Information

Cat. No. (Series)	Volumes	Description	Pack/Case
61626	100 mL - 2L	Media storage bottles, PVC protective coating, round, screw cap	4
63024	100 mL - 2L	Cylinders, single metric scale, protective coating, graduated, to deliver	2 to 4
65340	250 mL - 4L	Filtering flasks, heavy wall, protective coating, tubulation, graduated	2 to 6
65640	100 mL - 2L	Volumetric flasks, Class A, protective coating, PYREX standard taper stopper	2 to 12
66402	125 mL - 2L	Separatory funnels, Squibb pear-shaped, protective coating, PTFE standard stopcock, glass standard taper stopper	1 to 4

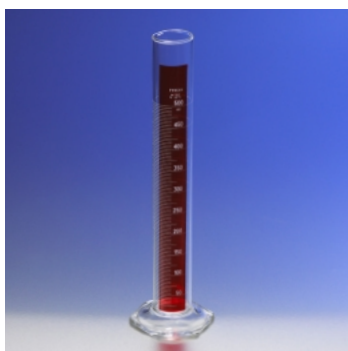


PYREX[®] Low Actinic Glassware

PYREX Low Actinic Labware is made from Code. No. 7740 glass with copper replacing the sodium in the glass matrix at the surface. The resulting product is as durable as the base glass. PYREX Low Actinic Labware was originally developed for work in the vitamin field, but it has found other uses in applications with chemicals sensitive to light in the 3,000 to 5,000 Angstrom range. Low actinic glassware is designed to reduce light transmission, especially UV and visible wavelengths, protecting sensitive samples such as chemicals, reagents, and biological materials from degradation caused by light exposure. By minimizing light-induced reactions, the glassware ensure the stability and integrity of stored or processed substances, which is critical for precision in experiments and long-term storage. PYREX Low Actinic glassware is ideal for use in chemistry, biology, pharmaceuticals, and photochemistry experiments.

Ordering Information

Cat. No. (Series)	Volumes	Description	Pack/Case
51395	25 mL - 10L	Media storage bottles, low actinic, round, graduated, with screw cap	1 to 10
3042	100 mL - 2L	Cylinders, Lifetime Red™ band marking, single metric scale, graduated, to contain	1 to 24
55640	10 mL - 2L	Volumetric flasks, low actinic, Class A, PYREX standard taper stopper	1 to 12
5660	25 mL - 2L	Volumetric flasks, Lifetime Red band marking, Class A, PYREX standard taper stopper, to contain	4 to 12



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Logic⁺

Logic⁺

PURIFIER[®] LOGIC⁺ CLASS II
BIOSAFETY CABINETS



Protecting your
laboratory environment

LABCONCO[®]

PURIFIER® LOGIC+ CLASS II BIOSAFETY CABINETS

DESIGNED FOR THE HUMAN EXPERIENCE



The good news is that most biological safety cabinet manufacturers build their cabinets to NSF International specifications and have NSF listing. Biosafety cabinets, by their NSF definition, are designed to be safe:*

"A ventilated cabinet for personnel, product, and environmental protection having an open front with inward airflow for personnel protection, downward HEPA filtered laminar airflow for product protection, and HEPA filtered exhaust air for environmental protection."

The news gets better. Labconco has added features to its newest generation of Purifier Logic+ Biosafety Cabinets that resets the bar for not only safety but also comfort. Unlike other cabinets, the Purifier Logic+ was designed for the human body and habits that goes beyond ergonomics. We call it Inclination™ Technology—design that caters to human behavior. You experience less fatigue, fewer distractions and a more comfortable working environment. Your work demands precision, attention to details and constant vigilance to safe practices. We believe the more comfortable you are, the safer you will be.

For total comfort, effortless operation and maximum safety, the Purifier Logic+ Biosafety Cabinet is your logical choice. Read more about the difference a human-designed biosafety cabinet makes.

Performance

Nothing enhances the human experience more than a biosafety cabinet that allows you to work confidently and with peace of mind. Unique to the Purifier Logic+ Biosafety Cabinet is its built-in intelligence to accurately maintain proper airflow, even as the HEPA filters load. Accuracy is achieved with an **Electronically Commutated Motor (ECM)** coupled with Labconco's exclusive **Constant Airflow Profile™ (CAP) Technology**.

The benefits of ECM:

- **Energy efficiency (see Table 1).** The ECM consumes 60% less energy than conventional motors.
- **Comfortable working temperature.** The ECM generates less heat than conventional motors for cooler working conditions.
- **Quiet (< 63 dBA).** The ECM operates as much as 50% quieter than conventional motors.
- **Reliable.** The time-tested ECM has a long life (50,000 hour average motor life) and reliable operation.
- **More power for longer lasting filters.** Because it has greater torque than conventional motors, the ECM overcomes more resistance as HEPA filters load so filters last longer.



- **Performance of Constant Airflow Profile™**
- **Safety of MyLogic™**
- **Comfort of Inclination™ Technology**

PURIFIER® LOGIC+ CLASS II BIOSAFETY CABINETS

DESIGNED FOR THE HUMAN EXPERIENCE

Constant Airflow Profile™ (CAP) Technology is built-in intelligence that works with the ECM to precisely control airflow without the need for airflow sensors. During operation, the ECM is constantly adjusting its speed and torque to accurately maintain its programmed airflow. Tests confirm that airflow is maintained within 1%.

Using CAP Technology to monitor and provide accurate airflow has advantages over relying on differential pressure gauges or airflow sensors. Biosafety cabinets that solely rely on pressure gauges require manual adjustment by a certifier when readings indicate a decline in airflow performance. Likewise, airflow sensors have a known standard of deviation exceeding safe airflow requirements in Class II cabinets. A certifier can verify safe airflow for a single moment in time. CAP Technology maintains safe airflow all the time.

Sustainable Design

As a member of the U.S. Green Building Council (USGBC), Labconco is committed to designing environmentally-responsible products. The Logic+ is one example. Since Logic+ uses less energy and lowers the heat load compared to cabinets with conventional motors, it contributes toward satisfying EA Credit 1 under LEED. New construction buildings with the Logic+ cabinets installed can earn from one to 19 LEED points for energy use reduction. The 8.5% pre-consumer and 54.5% post-consumer recycled content of the Logic+ can contribute towards satisfying MR Credit 4. Buildings that incorporate recycled materials may be awarded from one to two LEED points. When it is time to remove a Logic+ from service, its recyclable content is 94.9%, another measure of its contribution toward preserving our environment.

*LEED® is a registered trademark owned by the U.S. Green Building Council and is used with permission.

Performance Features & Benefits:

- **Reliable ECM** provides energy-efficient operation.
- **CAP Technology** assures consistent delivery of precise air volume, even as filters load. No sensors are needed.
- **Low lifetime cost (see Table 1).** Energy efficiency and lower maintenance costs add up to a lower total lifetime cost.
- **Air-Wave™ Entry System**, consisting of aerodynamic angles surrounding the access opening, provides less airflow resistance for better containment.
- **Contain-Air™ Negative Pressure Channel** draws air in, preventing loss of containment at the top of the sash.
- **Smart-Start™ System** automates routine start up and shut down functions, assuring consistent operation regardless of the user and saves time.
- **Night-Smart™ System** idles the blower at 30% speed when the sash is fully closed to help maintain a clean environment inside the cabinet during periods of non-use while saving energy. When the sash is raised, the blower automatically resumes normal operation.
- **5 year warranty**

Table 1. 4' Purifier Logic+ Biosafety Cabinet Energy Usage and Operating Costs & Comparison

	Logic+	Other Cabinet A	Other Cabinet B	Other Cabinet C
Motor Type/Technology	DC ECM	AC PSC	AC-3Ø	DC
8 hrs/day (2,080 hrs/year)*				
Energy Used (kWh/yr)	603	1206	861	339
Annual Cost - Commercial	\$60	\$121	\$86	\$34
Annual Cost - Industrial	\$41	\$81	\$58	\$23
24 hrs/day (8,736 hrs/year)*				
Energy Used (kWh/yr)	2533 (803**)	5067	3617	1424
Annual Cost - Commercial	\$253 (\$80**)	\$507	\$362	\$142
Annual Cost - Industrial	\$170 (\$54**)	\$341	\$243	\$96
15-Year Life Cycle Costs† Operational Costs				
Annual Certification	\$2,250	\$2,250	\$2,250	\$2,250
Energy Cost - 8 hrs/day (Industrial)	\$609	\$1,217	\$869	\$342
Energy Cost - 24 hrs/day (Industrial)	\$2,557 (\$811**)	\$5,115	\$3,651	\$1,438
Total Operational Cost (8 hr/day)	\$2,859	\$3,467	\$3,119	\$2,592
Total Operational Cost (24 hr/day)	\$4,807 (\$3,061**)	\$7,365	\$5,901	\$3,688
Maintenance Costs				
HEPA Filter Costs	\$800	\$1,600	\$1,600	\$2,400
Service Cost**	\$3,000	\$3,450	\$3,450	\$4,350
Replacement Parts	\$700	\$1,100	\$1,100	\$2,500
Total Maintenance Cost	\$2,250	\$3,900	\$3,900	\$7,000
Total Lifetime Cost (8 hr/day)	\$5,109	\$7,367	\$7,019	\$9,592
Total Lifetime Cost (24 hr/day)	\$7,057 (\$5,311**)	\$11,265	\$9,801	\$10,688

*Using a Commercial Business Energy use cost of \$0.0988/kWh and an Industrial Energy use cost of \$0.0673/kWh. **Continuous operation of cabinet utilizing Night-Smart™ reduced flow setback mode. Calculations based on using Night-Smart™ idle setback 16hr/day for 5 days/wk and 24 hr/day for 2 days/week, 52 week calendar year. †Costs of HEPA filters, service and replacement parts are approximations, not an estimate or guarantee of any kind. ††Service cost includes annual certification (\$150/yr), decontamination (\$450/incident), and incidentals.

PURIFIER® LOGIC+ CLASS II BIOSAFETY CABINETS

DESIGNED FOR THE HUMAN EXPERIENCE

Safety

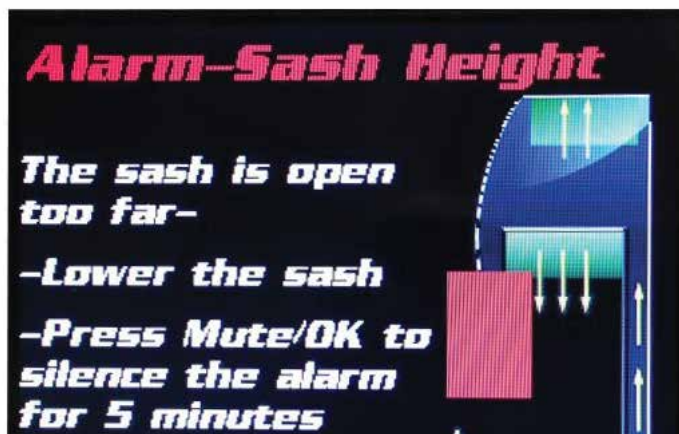
The most important reason to choose the Purifier Logic+ is safety. You simply won't find another biosafety cabinet with a more comprehensive safety package than the Logic+. Purifier Logic+ Biosafety Cabinets meet or exceed all minimum requirements set by NSF International including 99.99% efficient HEPA filters and nominal inflow of 105 fpm. The Logic+ goes well beyond the NSF Standard by providing the user with peace of mind that airflow is within normal limits and the HEPA filters are working properly. A full color, line-of-sight LCD information center, which is in constant communication with the ECM, continuously monitors and displays the cabinet's performance.

The benefits of the LCD information center:

- **Easy readability with MyLogic™ OS.** The large full color display runs on MyLogic™ OS that provides user-friendly programming and feedback. Mounted on the interior right side wall of the user's line of sight *while seated*, the display shows cabinet function, filter loading and systems in use.
- **Descriptive feedback in easy-to-understand full sentences leaves nothing to interpretation.** Step-by-step instruction guides you when programming features such as Smart-Start and Night-Smart.
- **"Filter Remaining" bar graph.** A bar graph depicts percent of HEPA filter life remaining to provide assurance and allow you to accurately and confidently plan for future filter replacement. Alerts warn when the filter life diminishes to 20% and 0%.
- **Alerts and Alarms.** Visual and audible alarms warn users of cabinet errors, explain the meaning of the alarm, diagram where the cabinet has been affected, and provide intuitive troubleshooting tips.
- **Durable construction.** The display is constructed of UV-opaque safety glass and stainless steel for easy decontamination.



Bar graph displays percent of HEPA filter life remaining



Various alert and alarm messages may be displayed and provide clear feedback and instruction.

Safety Features & Benefits:

- **Line-of-sight Information Center with MyLogic™ OS** provides at-a-glance assurance that your cabinet is operating safely.
- **Fully-closing, tempered safety glass sash.** An audible/visual alarm indicates when the sash is opened above its working height.
- **Reserve-Air™ Inflow Slots** on the inlet grille draw air into the cabinet to maintain safe airflow should the user inadvertently block portions of the grille while resting arms.
- **NSF-approved Vacu-Pass™ Cord & Cable Portal**, available on some models, safely allows passage of electrical cords and tubing through the side of the cabinet without air leakage or airflow disruption. See page 9 for more information.
- **Electronic security lock**, when enabled, prevents operation of the cabinet by unauthorized users.
- **NSF listed***

* Applies to Purifier Logic+ Class II, Type A2 and B2 Biosafety Cabinets

PURIFIER® LOGIC+ CLASS II BIOSAFETY CABINETS

DESIGNED FOR THE HUMAN EXPERIENCE



Inclination Technology has been applied throughout the cabinet. While seated, the LCD information center is within sight and the touchpad controls are within reach. Greater comfort lessens the risk of accidents and personal injury.

Comfort

Labconco's **Inclination™ Technology**—features that reinforce what humans are inclined to do—is nothing new to us. We've been at the forefront of designing ergonomics and comfort features into our biosafety cabinets for decades. For example, in 1983, we pioneered the use of an angled sash, which allows closer, more comfortable viewing without glare. We thoughtfully design every feature to ensure that form follows function and the shape of the human body.



The electrical outlet cover may be opened with one finger and then gently and slowly self closes. It mounts flush and flat against the side wall for easy cleaning.



The curved inlet grille provides a comfortable surface for forearms resting on it. No additional armrest is needed. Reserve-Air™ Inflow Slots draw air into the cabinet should the operator inadvertently block portions of the inlet grille, maintaining safe airflow.



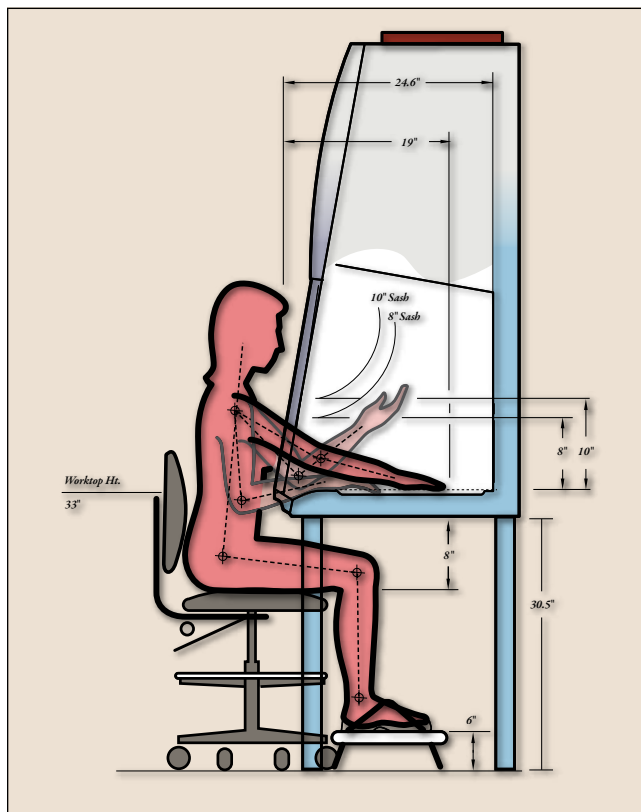
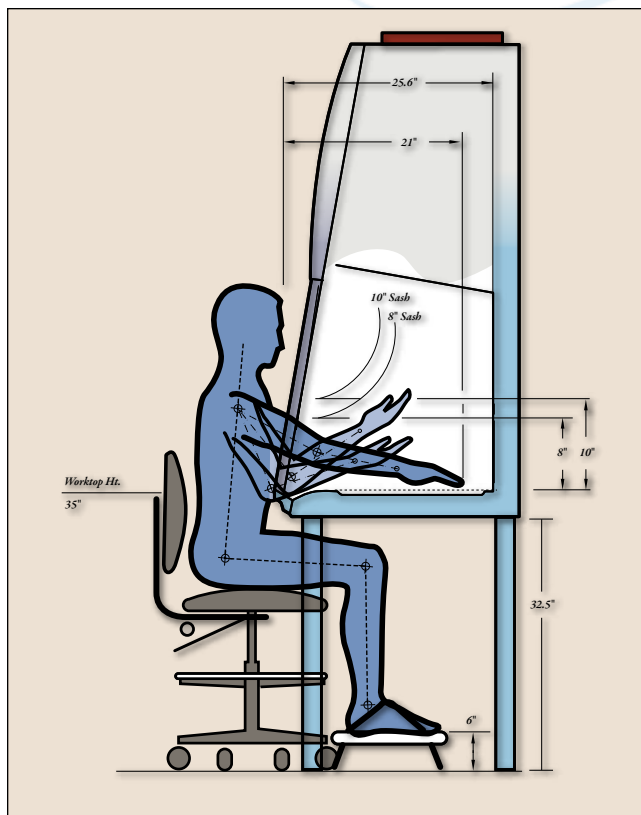
Unobtrusive lift knobs on the front corners of the dished stainless steel work surface allow it to be quickly lifted for cleaning.



Scan this code to view a brief video showing some of the Inclination Technology features in action.

PURIFIER® LOGIC+ CLASS II BIOSAFETY CABINETS

DESIGNED FOR THE HUMAN EXPERIENCE



Comfort Features & Benefits:

- **ECM is quieter and cooler** than comparable PSC motors.
- **Line-of-sight, full color LCD information center** is visible to the user while seated at the cabinet.
- **ADA-compliant, easy-to-clean touchpad controls** allow manual activation of blower, timer, audible alarm mute and menu selection.
- **ADA-compliant service fixtures**, available factory- or user-installed, are mounted within easy reach on the side walls, 8.5" (20 cm) above the work surface to maximize usable surface area, permit free arm movement and allow easy removal of the work surface. See page 9 for more information.
- **Curved inlet grille** gently supports the user's forearms without the need for uncomfortable, hard-to-clean armrests.
- **Flush-mounted electrical duplex covers** have dampened hinges that close slowly rather than snapping shut on fingers. Surfaces are easy-to-clean stainless steel.
- **Counterweighted sliding sash with anti-racking mechanism** may be raised and lowered with minimal effort.
- **Large interior work area** offers more cubic feet than any other brand.
- **Inclined sash** is sloped at 10° for closer, more comfortable viewing than vertical sashes offer. Two small, sculptured sash handles on the outside surface of the sash do not obstruct the view of the interior.
- **Over 27" (69 cm) of viewing height** gives greater visual accessibility.
- **Bright, glare-free fluorescent lighting with timer** provides 90-100 footcandles at the work surface, exceeding NSF requirements.

Ergonomic principles were applied to the design of the Purifier Logic+ Biosafety Cabinet to ensure that humans of all sizes maintain a healthy posture, and have good visibility and range of motion while using the cabinet. The illustrations above show an adult male of an average height of 5' 9.1" and an adult female of an average height of 5' 3". The accessory base stand, chair and footrest work together to achieve the proper height for individuals using the cabinet.

PURIFIER® LOGIC+ CLASS II BIOSAFETY CABINETS

TYPE A2 & B2 — WHICH DO YOU CHOOSE?

Select the right Purifier Logic Biosafety Cabinet for your application

Purifier Logic+ Class II Biosafety Cabinets come in Type A2 and Type B2 configurations. The airflow diagrams below illustrate the differences between the two Types. Which configuration you choose is determined by your application. Both Type A2 and B2 cabinets are suitable for work with agents that require Biosafety Level 1, 2 or 3 containment. Other appropriate applications include work with antineoplastic drugs, genetic material, carcinogens, allergens and additional substances that generate hazardous airborne particulates.

Purifier Logic+ Class II, Type A2 Biosafety Cabinets are designed to discharge HEPA-filtered exhaust air directly into the

laboratory, or into an exhaust system through the optional Canopy Connection. When canopy-connected, the biosafety cabinets may be used for applications involving volatile toxic chemicals and radionuclides as an adjunct to microbiological research. These benchtop cabinets are available in 3', 4', 5' and 6' nominal widths. **See pages 10-11 for ordering information.**

Purifier Logic+ Class II, Type B2 Biosafety Cabinets are designed to be hard ducted to the outside. Since none of the air is recirculated, these cabinets may be used for work with agents treated with volatile toxic chemicals and radionuclides. These benchtop cabinets are available in 4' and 6' nominal widths. **See pages 12-13 for ordering information.**



Class II, Type A2 Airflow

During operation, room air is drawn into the inlet grille. The air in the plenum beneath the work surface is a mixture of unfiltered room air, and air that has just passed through the work area. This contaminated air is drawn by the blower through the back plenum of the cabinet, where approximately 70% of the air is recirculated through the supply HEPA filter and back over the work area. The balance of the contaminated air is discharged to the environment after passing through the exhaust HEPA filter.



Class II, Type B2 Airflow

During operation, room air is drawn through the top of the cabinet. This air is HEPA filtered, and then flows downward through the work area. Room air is also drawn into the inlet grille. All of the contaminated air is drawn under the work surface or through the rear grille, then up the rear plenum, and through the exhaust HEPA filter. A dedicated exhaust system and remote blower draw 100% of the filtered exhaust air out of the laboratory. The ductwork and remote blower are required for operation and sold separately.



PURIFIER® LOGIC+ CLASS II BIOSAFETY CABINETS

OPTIONAL FEATURES & BENEFITS

Specialized work requires special features

Cell research often involves using a microscope, keeping the cells at the proper temperature for viability, or both. At the same time, the work must be conducted in a biological safety cabinet to protect the cells, researcher and environment. The Purifier Cell Logic+ Biosafety Cabinet has special features that address the unique needs of cell research.



Cell Logic+ Features & Benefits:

- **Scope-Ready™ package option.** Models are available that allow a customer-supplied microscope to be integrated into the cabinet. The sash has a 7.0" wide x 10.5" high (18 x 27cm) cutout that accommodates most microscopes' eyepieces.
- **The Pure-Vu™ Seal,** made of flexible and clear material, surrounds the cutout preventing contaminants from escaping while providing ergonomic visibility into the cabinet. Modified ASHRAE 110 and NSF 49 testing confirms that this unique teardrop collar design keeps contaminants contained. An accessory Pure-Vu™ XL Seal is available to accommodate forward-mounted microscopes.
- **The Stand-Still™ Isolation Platform** completes the Scope-Ready™ package and is sold separately. The platform supports the microscope on the cabinet's work surface and reduces vibration threefold. Modified ASHRAE 110 and NSF 49 testing confirms this elevated aerodynamic base maintains safe airflow. Constructed of seamless Type 304 stainless steel, the non-porous platform is easy to clean and autoclavable. The platform is available in two sizes and is sold separately.
- **Temp-Zone™ package option.** Models are available that include a temperature-controlled area on the work surface, 10.5" wide x 12.0" deep (7.0" wide x 12.0" deep on 3' models). Warmed or chilled samples may be transferred to the Temp-Zone and kept at optimum temperature. Quick connection fittings on the left side of the cabinet attach to a user-supplied circulator that continually delivers chilled or heated liquid to the Temp-Zone area. Uniform temperature distribution is maintained on the surface. Easy-Clean™ Prop Rods allow for hands-free elevation of the work surface for ease of cleaning and access to the channels and drain.

* American Society of Heating, Refrigerating and Air-Conditioning Engineers, Atlanta, GA



The accessory Pure-Vu Seal and Stand-Still XL Isolation Platform accommodate forward-mounted microscopes such as stereo scopes.



The Temp-Zone package option includes the temperature-controlled area of the work surface (shown above left) and the Easy-Clean Prop Rods (shown above right).



PURIFIER® LOGIC+ CLASS II BIOSAFETY CABINETS

OPTIONAL FEATURES, BENEFITS & ACCESSORIES

Accessory Package adds functionality to your biosafety cabinet

The optional **Accessory Package** caters to your unique biosafety cabinet wants and needs. Three features are factory-installed so that you can put them to immediate use: UV lamp, service fixture and Vacu-Pass Cord & Cable Portal.



The **254 nm UV lamp** provides secondary decontamination while the cabinet is not in use. An interlocked switch permits the UV light to operate only when the sash is completely closed.



The **service fixture** supplies water, vacuum, air or noble gases to the cabinet interior. It has a ball-type valve that provides smooth operation at pressures up to 40 psi. The serrated hose tip valve with

quarter turn control handle is mounted 8.5" (20 cm) above the work surface to maximize usable surface area. One service fixture is mounted on the right-hand side on 3', 4' and 5' models with Accessory Package. Two service fixtures, one on each side, come with 6' models with Accessory Package.



The **Vacu-Pass™ Cord & Cable Portal** combines safety and convenience. The portal allows passage of cords through the side wall of the cabinet so that cords are kept out of the way of the user's work area.

The NSF-approved port does not disrupt the cabinet's airflow or allow leakage to occur. One portal comes mounted on the right-hand side interior on models with Accessory Package. A plug seals the opening when not in use.



Telescoping Base Stand (non-welded)

For ease of ordering, some models of the Purifier Logic+ and Cell Logic+ Biosafety Cabinets include the **Telescoping Base Stand**. The stand is shipped unassembled allowing it to be sent in the same package with the biosafety cabinet. The base stand includes a free shelf and has telescoping legs so that the appropriate height for your application and user can be selected during installation.



Ventus™ Canopy Connection provides ducting for your Class II, Type A2 cabinet

Certain applications, such as working with malodorous samples, small amounts of volatile toxic chemicals and tracer quantities of radionuclides, require the connection of your Class II, Type A2 cabinet to an exhaust system. The NSF-approved **Ventus Canopy Connection** mounts above the biosafety cabinet to allow thimble ducting to the outside. Unlike canopies that rely on imprecise pressure or airflow sensors, the Ventus has an uncomplicated mechanical design that ensures safe and reliable operation. In less than one second after a low flow event is detected, the alarm on the LCD alerts the user while the blower speeds to full capacity to maximize personal safety. The low profile Ventus adds only 1.25" to the overall height of the cabinet.

These accessories and more are also available for on-site installation. See Accessories and Base Cabinets Ordering Information starting on page 15.

PURIFIER® LOGIC+ CLASS II, TYPE A2 BIOSAFETY CABINETS

CATALOG NUMBER CONFIGURATOR

Use this key to configure the **nine digit catalog number** to order your Purifier Logic+ or Cell Logic+ Class II, Type A2 Biosafety Cabinet. For example, a 302311100 is a 3' Purifier Logic+ Class II, Type A2 Biosafety Cabinet with 10" sash opening, service fixture, UV lamp, Vacu-Pass Portal, non-welded base stand and North America, 115 volt electrical receptacle and plug.

STEP 1: Select the **Cell Logic+ package(s)** option. This number is the second digit of your catalog number.

- 0** = None. Logic+ only.
- 2** = Temp-Zone Package. Fifth digit is **9** and sixth digit is **1**.
- 3** = Scope-Ready Package. Fifth digit is **9** and sixth digit is **1**.
- 4** = Temp-Zone & Scope-Ready Packages. Fifth digit is **9** and sixth digit is **1**.

3

2

STEP 2: Select the **width** of your cabinet. This number is the fourth digit of your catalog number.

- 3** = 3' (Actual width = 42.3"/107.4 cm)
- 4** = 4' (Actual width = 54.3"/137.9 cm)
- 5** = 5' (Actual width = 66.3"/168.4 cm)
- 6** = 6' (Actual width = 78.3"/198.9 cm)

STEP 3: Select the **sash opening height**. This number is the fifth digit of your catalog number.

- 1** = 10" (25.4 cm). Logic+ only.
- 8** = 8" (20.3 cm). Logic+ only.
- 9** = 9" (22.9 cm). Cell Logic+ only.

STEP 4: Select the **Accessory Package option: service fixture(s), UV lamp and Vacu-Pass™ Cord & Cable Portal**. This number is the sixth digit of your catalog number.

- 0** = None. Logic+ only.
- 1** = Includes a right-side mounted factory-installed service fixture (two on 6' models, one on each side), UV lamp with timer (UV lamp not included with Scope-Ready), and right-side wall Vacu-Pass Portal. Comes standard on all Cell Logic+ models.

STEP 5: Select **non-welded telescoping base stand option**. This number is the seventh digit of your catalog number.

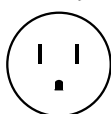
- 0** = None
- 1** = Includes an non-welded telescoping base stand shipped with the cabinet.

STEP 6: Select the **electrical receptacle and plug type**. This number is the eighth and ninth digits of your catalog number.

- 00** = North America, 115 volts (15 amps for 3' and 4' models. 20 amps for 5' and 6' models)
- 10** = North America, 230 volts
- 20** = Japan, 100 volts (15 amps for 3' and 4' models. 20 amps for 5' and 6' models)
- 30** = Schuko, 230 volts
- 40** = China/Australia, 230 volts
- 50** = British (UK), 230 volts
- 70** = India, 230 volts

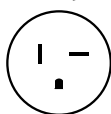
Electrical Receptacle & Plug Configurations

North America,
115 volts, 15 amps
Japan, 100 volts,
15 amps



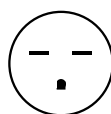
For Catalog
Numbers ending
in 00 & 20

North America,
115 volts, 20 amps
Japan, 100 volts,
20 amps*

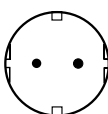


For Catalog
Numbers ending
in 00 & 20

North America,
230 volts



For Catalog
Numbers
ending in 10



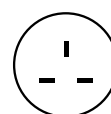
For Catalog
Numbers
ending in 30

China/Australia,
230 volts



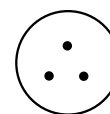
For Catalog
Numbers
ending in 40

British (UK),
230 volts



For Catalog
Numbers
ending in 50

India, 230 volts



For Catalog
Numbers
ending in 70

Technical Specifications

Nominal Width	3'	4'	5'	6'
Actual Width	42.3" (107.4 cm)	54.3" (137.9 cm)	66.3" (168.4 cm)	78.3" (198.9 cm)
Shipping Weight	510 lbs. (231 kg)	585 lbs. (265 kg)	715 lbs. (324 kg)	805 lbs. (365 kg)
Shipping Weight including stand	585 lbs. (265 kg)	670 lbs. (304 kg)	810 lbs. (367 kg)	905 lbs. (411 kg)
Exhaust Volume, 10" Sash Opening	253-279 CFM	339-370 CFM	420-462 CFM	503-554 CFM
Exhaust Volume, 8" Sash Opening	203-223 CFM	269-296 CFM	336-370 CFM	403-443 CFM
Exhaust Volume, 9" Sash Opening	228-251 CFM	304-333 CFM	378-416 CFM	453-498 CFM
Electrical Configuration	Amperage			
115 volts, 60 Hz	12	12	16	16
100 volts, 50/60 Hz	12	12	16	16
230 volts, 50/60 Hz	6	6	8	8

Contact Labconco for ordering information on models that are EN 12469 compliant.

* Plug is 20 amps. Receptacle is 15 amps.

PURIFIER® LOGIC+ CLASS II, TYPE A2 BIOSAFETY CABINETS

SPECIFICATIONS



Purifier Logic+ Class II, Type A2
Biosafety Cabinet 302411100



Performance Features

- Electronically Commutated Motor (ECM)
- Constant Airflow Profile™ (CAP) Technology airflow monitoring system that communicates with the ECM to deliver the precise volume of air as required and automatically adjust as filters load without relying on airflow sensors
- Air-Wave™ Entry System*
- Contain-Air™ Negative Pressure Channel*
 - Smart-Start™ System that allows the user to program start up and shut down operations
 - Night-Smart™ System that idles the blower when the sash is fully closed
 - Built-in interval or elapsed timer for experiment monitoring, fluorescent light or UV light control (on models with UV light)
 - Digital clock
 - Removable towel catch located under work surface
 - Bright, 90-100 footcandle, glare-free fluorescent lighting located outside the contaminated work area
- Five year warranty

Safety Features

- LCD information center with "Filter Life Remaining" bar graph, status line for alarm conditions and alerts to warn when filter life diminishes to 20% and 0%
- Electronic security lock (optional activation) that requires code to operate the cabinet
- Two electrical duplex receptacles, (single outlets on 230 volt models), located one on each side, with ground fault interruption (115 volt models)
- Intrinsically safe negative pressure design
- Fully-closing, clear 1/4" tempered safety glass sash
- Stainless steel inlet grille with Reserve-Air™ Secondary Airflow Slots*
- Supply and exhaust 99.99% efficient HEPA filters. Contact Labconco for optional 99.999% efficient ULPA filters.
- Leak-tight stainless steel interior

Comfort Features

- Interior-mounted, line-of-sight, full color LCD information center with easy-to-understand MyLogic™ OS
- 21.7" (54 cm) maximum sash opening height and 27.0" (69 cm) viewing height
- Curved inlet grille for forearm support
- Flush-mounted stainless steel electrical receptacle covers with dampened hinges
 - Removable, seamless type 304 stainless steel, dished work surface with lift out knobs
 - 10° Angled sash with counterbalanced, anti-racking mechanism for ease of lifting
 - ADA-compliant touchpad control on right-hand side post for manual activation of blower, light(s), timer, electrical receptacles, audible alarm mute and menu selection
- Noise level < 63 dBA
- Heat load 990 BTU/hour (4' models)

Specifications

- Nominal inflow velocity of 105 feet per minute (fpm) (0.5 m/sec)
- Nominal downflow velocity of 55 fpm (0.3 m/sec)
- Approximately 70% air recirculation
- Powder-coated steel exterior
- NSF International listed (Logic+ models). NSF International and modified ASHRAE 110 compliant (Cell Logic+ models).
- ETL listed
- CE conformity marking (230 volt models)
- Class 5 conditions per ISO 14644-1 and 2 (formerly Class 100)
- Overall depth x height: 31.2" x 61.7" (79.2 x 156.7 cm)
- 10' (3 m) power cord with plug

Options

- Non-welded, NSF-Approved, powder-coated steel telescoping base stand with fixed feet
- Accessory Package: 254 nm UV lamp, ADA-compliant service fixture(s) with ball-type valve(s), and NSF-Approved Vacu-Pass™ Cord & Cable Portal
- Cell Logic+ Packages: Scope-Ready™ Package consisting of 7.0" wide x 10.5" high (18 x 27 cm) sash cutout and Pure-Vu™ Seal with powder-coated steel collar. **Stand-Still™ Isolation Platform is required and sold separately. See page 16.** Temp-Zone™ Package consisting of temperature-controlled work area, 10.5" (27 cm) wide x 12.0" (30 cm) deep (7.0" x 12.0" on 3' models) located on the left side of the work surface. **Circulator is required (not included).** Circulator requirements: minimum flow rate of 0.4-0.5 GPM (1.5-1.9 LPM), typical volume of 6 liters, and temperature of 0-50° C (chiller/heater).
- Ventus™ Canopy Connection, NSF-Approved, with low flow design and audio/visual alarms (adds 1.25" to overall cabinet height)

Required Accessory

- Supporting base if non-welded stand option is not selected

Exclusive Labconco feature *U.S. Patent No. 6,368,206

Complies with Americans with Disabilities Act Standard for height of controls and receptacles

See Dimensional Data on page 14, Accessories on pages 15-17,
and Base Stands on pages 18-20.

PURIFIER® LOGIC+ CLASS II, TYPE B2 BIOSAFETY CABINETS

CATALOG NUMBER CONFIGURATOR

Use this key to configure the **nine digit catalog number** to order your Purifier Logic+ or Cell Logic+ Class II, Type B2 Biosafety Cabinet. For example, a 303481100 is a 4' Purifier Logic+ Class II, Type B2 Biosafety Cabinet with service fixture, UV lamp, Vacu-Pass Portal, non-welded base stand and North America, 115 volt electrical receptacle and plug.

STEP 1: Select the **Cell Logic+ package(s)** option. This number is the second digit of your catalog number.

- 0 = None. Logic+ only.
- 2 = Temp-Zone Package. Sixth digit is 1.
- 3 = Scope-Ready Package. Sixth digit is 1.
- 4 = Temp-Zone & Scope-Ready Packages. Sixth digit is 1.

3

3

8

STEP 2: Select the **width** of your cabinet. This number is the fourth digit of your catalog number.

- 4 = 4' (Actual width = 54.3"/137.9 cm)
- 6 = 6' (Actual width = 78.3"/198.9 cm)

STEP 3: Select the **Accessory Package option: service fixture(s), UV lamp and Vacu-Pass™ Cord & Cable Portal**. This number is the sixth digit of your catalog number.

- 0 = None. Logic+ only.
- 1 = Includes a right-side mounted factory-installed service fixture (two on 6' models, one on each side), UV lamp with timer (UV lamp not included with Scope-Ready), and right-side wall Vacu-Pass Portal. Comes standard on all Cell Logic+ models.

STEP 4: Select **non-welded telescoping base stand option**. This number is the seventh digit of your catalog number.

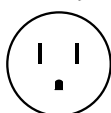
- 0 = None
- 1 = Includes an non-welded telescoping base stand shipped with the cabinet.

STEP 5: Select the **electrical receptacle and plug type**. This number is the eighth and ninth digits of your catalog number.

- 00 = North America, 115 volts (15 amps for 4' models. 20 amps for 6' models)
- 10 = North America, 230 volts
- 20 = Japan, 100 volts (15 amps for 3' and 4' models. 20 amps for 5' and 6' models)
- 30 = Schuko, 230 volts
- 40 = China/Australia, 230 volts
- 50 = British (UK), 230 volts
- 70 = India, 230 volts

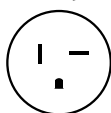
Electrical Receptacle & Plug Configurations

North America,
115 volts, 15 amps
Japan, 100 volts,
15 amps



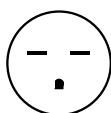
For Catalog
Numbers ending
in 00 & 20

North America,
115 volts, 20 amps
Japan, 100 volts,
20 amps*



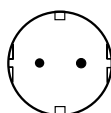
For Catalog
Numbers ending
in 00 & 20

North America,
230 volts



For Catalog
Numbers
ending in 10

Schuko,
230 volts



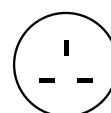
For Catalog
Numbers
ending in 30

China/Australia,
230 volts



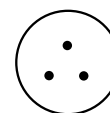
For Catalog
Numbers
ending in 40

British (UK),
230 volts



For Catalog
Numbers
ending in 50

India, 230 volts



For Catalog
Numbers
ending in 70

Technical Specifications

Nominal Width	4'	6'
Exhaust Volume**	665 CFM	998 CFM
CBV†	810 CFM @ 1.9"	1218 CFM @ 2.2"
Shipping Weight	650 lbs. (295 kg)	840 lbs. (381 kg)
Shipping Weight including stand	730 lbs. (331 kg)	940 lbs. (426 kg)
Electrical Configuration	Amperage	
115 volts, 60 Hz	12	12
100 volts, 50/60 Hz	12	12
230 volts, 50/60 Hz	6	8

* Plug is 20 amps. Receptacle is 15 amps. ** Exhaust Volume values are obtained using a Direct Inflow Measurement (DIM) meter sealed to the front of the cabinet.

† Concurrent Balance Values (CBV) are obtained using a Pitot or thermal anemometer traverse of the exhaust duct. Static pressure is the amount of vacuum required at the cabinet connection when the HEPA filters are new.

PURIFIER® LOGIC+ CLASS II, TYPE B2 BIOSAFETY CABINETS

SPECIFICATIONS



Purifier Logic+ Class II, Type B2
Biosafety Cabinet 303481100



Performance Features

- Electronically Commutated Motor (ECM)
- ✚ Constant Airflow Profile™ (CAP) Technology airflow monitoring system that communicates with the ECM to deliver the precise volume of air as required and automatically adjust as filters load without relying on airflow sensors
- ✚ Air-Wave™ Entry System*
- ✚ Contain-Air™ Negative Pressure Channel*
- Smart-Start™ System that allows the user to program start up and shut down operations
- Built-in interval or elapsed timer for experiment monitoring, fluorescent light or UV light control (on models with UV light)
- Digital clock
- Removable towel catch located under work surface
- Bright, 90-100 footcandle, glare-free fluorescent lighting located outside the contaminated work area
- Five year warranty

Safety Features

- ✚ LCD information center with "Filter Life Remaining" bar graph, status line for alarm conditions and alerts to warn when filter life diminishes to 20% and 0%
- Electronic security lock (optional activation) that requires code to operate the cabinet
- Two electrical duplex receptacles, (single outlets on 230 volt models), located one on each side, with ground fault interruption (115 volt models)
- Intrinsically safe negative pressure design
- Fully-closing, clear 1/4" tempered safety glass sash with 8" (20 cm) working height opening
- Stainless steel inlet grille with Reserve-Air™ Secondary Airflow Slots*
- Supply and exhaust 99.99% efficient HEPA filters. Contact Labconco for optional 99.999% efficient ULPA filters.
- Leak-tight stainless steel interior

Comfort Features

- ✚ Interior-mounted, line-of-sight, full color LCD information center with easy-to-understand MyLogic™ OS
- ✚ 21.7" (54 cm) maximum sash opening height and 27.0" (69 cm) viewing height
- ✚ Curved inlet grille for forearm support
- ✚ Flush-mounted stainless steel electrical receptacle covers with dampened hinges
 - Removable, seamless type 304 stainless steel, dished work surface with lift out knobs
 - 10° Angled sash with counterbalanced, anti-racking mechanism for ease of lifting
 - ADA-compliant touchpad control on right-hand side post for manual activation of blower, light(s), timer, electrical receptacles, audible alarm mute and menu selection
 - Noise level < 63 dBA
 - Heat load 990 BTU/hour (4' models)

Specifications

- Nominal inflow velocity of 105 feet per minute (fpm) (0.5 m/sec)
- Nominal downflow velocity of 55 fpm (0.3 m/sec)
- 0% air recirculation
- Powder-coated steel exterior
- NSF International listed (Logic+ models). NSF International and modified ASHRAE 110 compliant (Cell Logic+ models).
- ETL listed
- CE conformity marking (230 volt models)
- Class 5 conditions per ISO 14644-1 and 2 (formerly Class 100)
- Overall depth x height: 31.2" x 61.7" (79.2 x 156.7 cm)
- 10" diameter exhaust outlet with air-tight damper
- 10' (3 m) power cord with plug

Options

- ✚ Non-welded, NSF-Approved, powder-coated steel telescoping base stand with fixed feet
- ✚ Accessory Package: 254 nm UV lamp, ADA-compliant service fixture(s) with ball-type valve(s), and NSF-Approved Vacu-Pass™ Cord & Cable Portal
- Cell Logic+ Packages: Scope-Ready™ Package consisting of 7.0" wide x 10.5" high (18 x 27 cm) sash cutout and Pure-Vu™ Seal with powder-coated steel collar. **Stand-Still™ Isolation Platform is required and sold separately. See page 16.** Temp-Zone™ Package consisting of temperature-controlled work area, 10.5" wide x 12.0" deep (27 x 30 cm) located on the left side of the work surface. **Circulator is required (not included).** Circulator requirements: minimum flow rate of 0.4-0.5 GPM (1.5-1.9 LPM), typical volume of 6 liters, and temperature of 0-50° C (chiller/heater).

Required Accessory

- ✚ Supporting base if non-welded stand option is not selected

✚ Exclusive Labconco feature *U.S. Patent No. 6,368,206

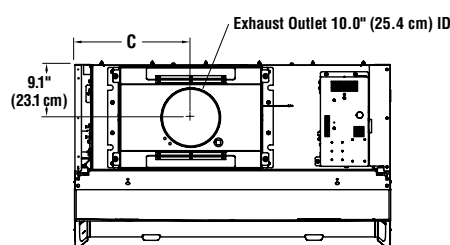
✚ Complies with Americans with Disabilities Act Standard for height of controls and receptacles

See Dimensional Data on page 14, Accessories on pages 15-17,
and Base Stands on pages 18-20.

PURIFIER® LOGIC®+ CLASS II, BIOSAFETY CABINETS

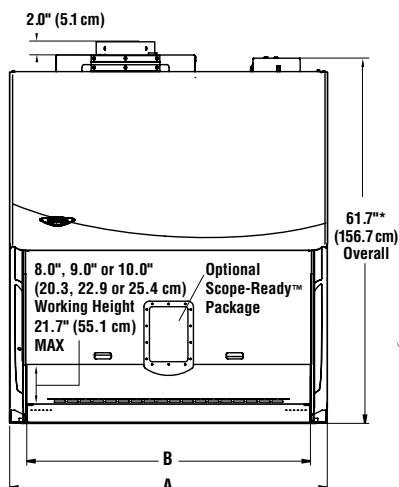
DIMENSIONAL DATA

Class II, Type A2

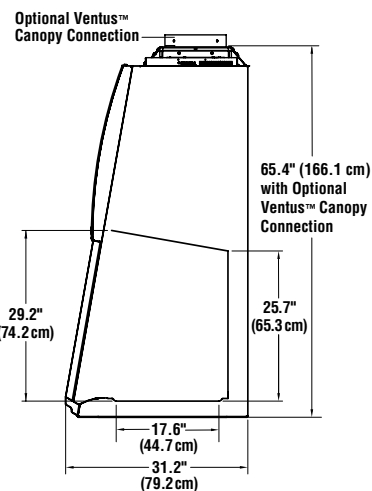


TOP

Nominal Width	A Inches/cm	B Inches/cm	C Inches/cm
3'	42.3/107.4	36.5/92.7	13.6/34.5
4'	54.3/137.9	48.5/123.2	19.9/50.5
5'	66.3/168.4	60.5/153.7	26.9/68.3
6'	78.3/198.9	72.5/184.2	32.9/83.6



FRONT

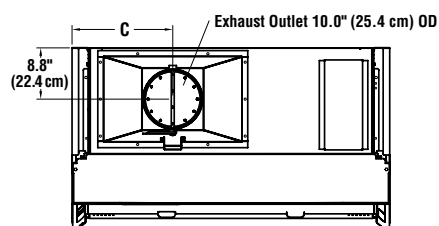


SIDE

Sash opening working height varies. All Purifier Cell Logic+ Class II, Type A2 Biosafety Cabinets have a 9.0" working height. Remaining cabinets have either an 8.0" or 10.0" working height depending on the model.

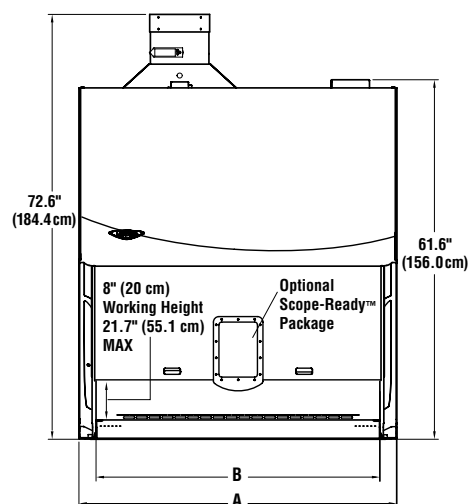
*Exhaust collar is 2.0" high (5.0 cm).

Class II, Type B2

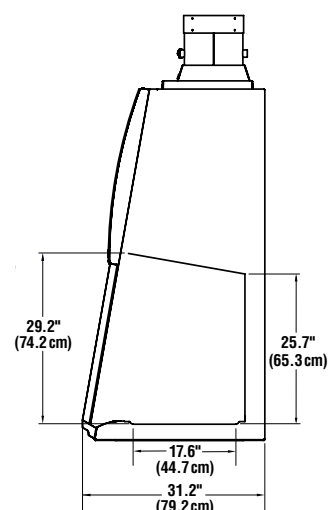


TOP

Nominal Width	A	B	C
4'	54.3" (137.9 cm)	48.5" (123.2 cm)	17.2" (43.7 cm)
6'	78.3" (198.9 cm)	72.5" (184.2 cm)	28.9" (73.4 cm)



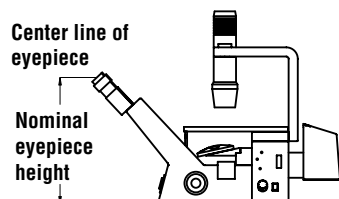
FRONT



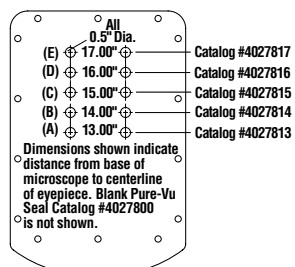
SIDE

Select the Pure-Vu® Seal that's right for you.

1. To determine placement of the cutouts, measure from the centerline of the eyepieces to the base of your microscope.

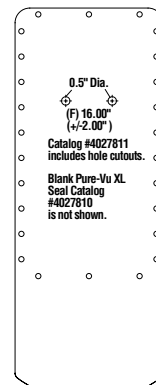


2. For inverted scopes with relatively stationary eyepiece height, select a Pure-Vu Seal corresponding with the nominal eyepiece height in the drawing below.



Pure-Vu® Seal

3. For stereo scopes or inverted scopes requiring frequent eyepiece height adjustment, select a Pure-Vu XL Seal (shown at right). Pure-Vu XL Seals are designed to be pleated when installed to allow for eyepiece height flexibility of +/-2.0" (5 cm). The Pure-Vu XL Seals extend 5.5" (14 cm) below the collar.



Pure-Vu® XL Seal

4. Refer to the ordering information on page 16 for Pure-Vu and Pure-Vu XL Seals recommended for specific microscope models.

PURIFIER® LOGIC®+ CLASS II, BIOSAFETY CABINETS

ACCESSORIES FOR ALL MODELS



IV Bar Kits

Include IV bar, mounting hardware and four hangers. **Installation is required.**

Catalog #	For use with	Shipping Wt.
3858600	3-Ft Class II, Type A2 & B2	3 lbs. (1 kg)
3858601	4-Ft Class II, Type A2 & B2	4 lbs. (2 kg)
3858602	5-Ft Class II, Type A2 & B2	5 lbs. (2 kg)
3858603	6-Ft Class II, Type A2 & B2	6 lbs. (3 kg)



3744000 Ergonomic Chair with Armrests

6-way articulating seat and back control for personalized adjustment. Pneumatic mechanism adjusts seat height from 18.25" to 25.75" (46 x 64 cm). Five-leg reinforced composite base with 2" (5 cm) diameter ball-bearing casters. Aluminum support ring. Removable armrests. Black vinyl upholstery. Shipping weight 35 lbs. (16 kg)



3746000 Adjustable Footrest

Elevates feet and permits angle repositioning while in use. 18.5" w x 11.5" d x 8.0" (47 x 29 x 20 cm). Shipping weight 6 lbs. (3 kg)



8022000 Logic Cart

Drawer and compartments provide convenient storage. Top left side compartment with cutouts and hinged panel that pivots down for loading. High density polyethylene and ABS construction. Overall dimensions: 25.0" w x 19.0" d x 27.0" h (64 x 48 x 69 cm). Shipping weight 50 lbs. (23 kg)



3852000 Turntable

"Lazy Susan" rotates 360° to bring items within easy reach. Stainless steel surface and ball bearings. 12" (30 cm) diameter. Autoclavable. Shipping weight 5 lbs. (2 kg)



3859100 Cord Management System

Includes three stainless steel mounting hooks and three carabiners. The hooks mount to the rear grille and the carabiners secure power cords and tubing along the rear wall to keep them contained and away from the work area. Shipping weight 3 lbs. (1 kg)



3859000 Interior Shelf

Stainless steel shelf, 8.0" x 5.0" (20 x 13 cm), mounts to rear grille. Weight capacity: 2.2 lbs. (1 kg). Shipping weight 3 lbs. (1 kg)

3405500 Inflow and Downflow Sensor Kit

Allows display of inflow and downflow velocities on the LCD information center. Includes sensor, wiring harness and hardware. Not for use on Class II, Type B2 cabinets. **Installation and certifier calibration are required.** Contact Labconco about factory-installed sensors. Shipping weight 3 lbs. (1 kg)

RS 232 Connection Kits

For connecting the biosafety cabinet to a data recorder or building monitoring system. Include the PC board, cable and hardware.

Catalog #	For use with	Shipping Wt.
3858310	Kit contains cable with 9-pin connection	1 lb. (0.5 kg)
3858311	Kit contains cable with 25-pin connection	1 lb. (0.5 kg)



3402800 Vacu-Pass® Cord & Cable Port Kit

Allows passage of a cord or cable through the right-side interior wall to the exterior. Cabinets are factory-prepared for easy on-site installation. Includes a set of 4 closed-cell neoprene plugs with holes for cords/cables with diameters of 1/8", 1/4", 3/8" and 1/2". Also includes a blank plug for sealing the port during non-use. NSF-approved port does not disrupt airflow or cause leakage. Shipping weight 2 lbs. (1 kg)



VACUUBRAND® BVC Basic Fluid Aspiration Systems

Designed for connection to an external vacuum source such as a diaphragm pump. Mechanical vacuum controller opens when needed to limit gas consumption from the vacuum source. Each system includes a coated steel base, an autoclavable collection bottle, aspiration hand set with flow-through suction tube and PTFE 0.2 micron filter to help prevent contaminants from entering the vacuum source. Shipping weight 6.2 lbs. (3 kg)

Catalog #	Aspiration System includes:	Dimensions (L x W x H)
3850310	4 Liter Polypropylene Collection Bottle	9.9 x 7.9 x 19.3"
3850320	2 Liter Borosilicate Glass Collection Bottle	9.1 x 7.1 x 17.0"



VACUUBRAND® BVC Control Fluid Aspiration Systems

Chemical-resistant PTFE diaphragm pump, capable of drawing 12 L/minute and achieving ultimate vacuum of 150 mBar/112 Torr, is included. Mechanical vacuum controller opens when needed to limit gas consumption from the vacuum source. Each system includes a coated steel base, adjustable suction power control via touch panel from 150 to 850 mBar, an autoclavable collection bottle, aspiration hand set with flow-through suction tube and PTFE 0.2 micron filter to help prevent contaminants from entering the vacuum source. Shipping weight 17 lbs. (8 kg)

Systems with 4 Liter Polypropylene Collection Bottle Dimensions (L x W x H): 16.1" x 7.6" x 19.7" (41 x 19 x 50 cm)

Catalog #	Electrical Requirements	Plug Type
3850330	115 volts, 50/60 Hz	115 volts, 15 amps
3850331	230 volts, 50/60 Hz	North America, 230 volts
3850332	230 volts, 50/60 Hz	Schuko
3850333	230 volts, 50/60 Hz	China/Australia
3850334	230 volts, 50/60 Hz	British (UK)
3850335	230 volts, 50/60 Hz	India

Systems with 2 Liter Borosilicate Glass Collection Bottle Dimensions (L x W x H): 16.1" x 7.6" x 16.9" (41 x 19 x 43 cm)

Catalog #	Electrical Requirements	Plug Type
3850340	115 volts, 50/60 Hz	115 volts, 15 amps
3850341	230 volts, 50/60 Hz	North America, 230 volts
3850342	230 volts, 50/60 Hz	Schuko
3850343	230 volts, 50/60 Hz	China/Australia
3850344	230 volts, 50/60 Hz	British (UK)
3850345	230 volts, 50/60 Hz	India

*VACUUBRAND® is a registered trademark of VACUUBRAND GMBH + CO KG

PURIFIER® LOGIC+ CLASS II BIOSAFETY CABINETS

ACCESSORIES FOR ALL MODELS



3747500 Service Fixture Kit

Includes serrated hose tip valve with ball valve, quarter turn control handle and hardware. Mounts on left or right side interior. Cabinets are factory-prepared for up to four fixtures: two forward mounted 8.5" above surface and two back mounted 10" above surface. **Installation is required.** Shipping weight 4 lbs. (2 kg)

Ultraviolet Lamp Kits

Include 254 nm UV lamp and ballast. Not recommended for Cell Logic+ Biosafety Cabinets with Scope-Ready package. **Installation is required.**

Catalog #	For use with	Shipping Wt.
3858500	115 Volt Class II, Type A2 & B2	5 lbs. (2 kg)
3858501	100 Volt Class II, Type A2 & B2	5 lbs. (2 kg)
3858502	230 Volt Class II, Type A2 & B2	5 lbs. (2 kg)

PURIFIER® LOGIC+ CLASS II BIOSAFETY CABINETS

ACCESSORIES FOR CELL LOGIC+ MODELS

Pure-Vu™ Seals

Each Cell Logic+ Biosafety Cabinet with Scope-Ready Package comes with two clear blank membranes (one each 4027800 and one each 4027810), which may be cut with 0.5" diameter holes or punched with Pure-Vu Punch Kit 4027801 to fit your microscope's eyepieces. Convenient, pre-punched seals may be ordered separately. See instructions and drawings on page 14 for reference. Microscope examples are provided below. Please contact Labconco for ordering assistance for seals to fit microscopes not listed. Shipping weight 0.5 lb. (0.2 kg)

Reference	Catalog #	Nominal Eye Piece Height*	Fits Microscope:
not shown	4027800	Universal Pure-Vu. Blank.	
(A)	4027813	13.0" (33.0 cm)	
(B)	4027814	14.0" (35.6 cm)	Zeiss [†] Axiovert [‡] 40
(C)	4027815	15.0" (38.1 cm)	Nikon [†] Eclipse [‡] TS 100, Olympus [‡] CKX31
(D)	4027816	16.0" (40.6 cm)	Leica [†] DM IL LED
(E)	4027817	17.0" (43.2 cm)	Leica [†] DM 6000 B
not shown	4027810	Universal Pure-Vu XL. Blank.	
(F)	4027811	16.0" (+/-2.0") (40.6 cm, +/- 5.1 cm)	Leica [†] MZ9, Nikon [†] SMZ 1500 Olympus [‡] SZX 16

* When selecting a seal for a Cell Logic+ Class II, Type B2 Biosafety Cabinet, add one inch to your eyepiece height and use the chart above.

[†] Zeiss[®] and Axiovert[®] are registered trademarks Carl-Zeiss-Stiftung DBA Carl Zeiss Corporation. Nikon[®] and Eclipse[®] are registered trademarks of Nikon, Inc. Olympus[®] is a registered trademark of Olympus Corporation. Leica[®] is a registered trademark of Leica Technology.

4027801 Pure-Vu™ Punch Kit

For punching accurate eyepiece holes in blank Pure-Vu seals. Includes 1/2" (12.7 mm) diameter hole punch, cutting pad and instructions. Shipping weight 1 lb. (0.5 kg)



Aluminum Tube Racks

Blue anodized aluminum blocks hold tubes upright and promote conduction of heat or cold from the Temp-Zone™ area to help maintain sample temperature.



Stand-Still™ Isolation Platforms

Required for supporting microscopes on Cell Logic Biosafety Cabinets with Scope-Ready™ package. Designed to promote proper airflow through the cabinet. Reduces vertical and horizontal vibrations threefold. Constructed of seamless, non-porous, autoclavable Type 304 stainless steel base with isolation pads. 1.5" high (0.4 cm). Select the platform that best fits your microscope's dimensions.

Catalog #	Description	Shipping Wt.
4028200	Stand-Still Platform, 12.0 x 18.75" (30.5 x 47.6 cm)	8 lbs. (4 kg)
4028100**	Stand-Still XL Platform, 14.0 x 22.75" (35.6 x 57.8 cm)	10 lbs. (5 kg)

**Requires use of Pure-Vu XL Seal 4027810 or 4027811.



Universal Tube Baths

Blue anodized aluminum blocks hold tubes of various sizes in an aluminum bead bath. Aluminum promotes the conduction of heat or cold from the Temp-Zone™ area to help maintain sample temperature. Thermally-conductive beads are sold separately.

Catalog #	Description	Shipping Wt.
4026600	Small Bath, 0.25 L capacity 2.0" w x 4.0" d x 3.0" h (50.8 x 101.6 x 76.2 mm)	2 lbs. (1 kg)
4026601	Large Bath, 0.5 L capacity 4.0" w x 4.0" d x 3.0" h (101.6 x 101.6 x 76.2 mm)	2 lbs. (1 kg)
4026602	Lab Armor ^{††} Beads, 0.75 liter	5 lbs. (2 kg)

Catalog #	Tube Size/Description	Tube Capacity	Dimensions (w x d x h)	Shipping Weight
4026400	0.5 ml microcentrifuge, 7.5 mm	18	1.5 x 6.0 x 1.3" (38 x 152 x 32 mm)	2 lbs. (1 kg)
4026401	0.5 ml microcentrifuge, 7.5 mm	96	6.0 x 8.0 x 1.5" (152 x 203 x 38 mm)	8 lbs. (3 kg)
4026402	1.5 ml microcentrifuge, 10.5 mm	18	2.0 x 6.0 x 1.5" (51 x 152 x 38 mm)	2 lbs. (1 kg)
4026403	1.5 ml microcentrifuge, 10.5 mm	96	8.0 x 8.0 x 1.5" (203 x 203 x 38 mm)	9 lbs. (4 kg)
4026404	1.5 ml flat bottom, 10 mm	12	1.5 x 4.0 x 1.3" (38 x 102 x 32 mm)	1 lb. (0.5 kg)
4026405	5 ml flat bottom, 12 mm	12	2.0 x 5.0 x 2.5" (51 x 127 x 64 mm)	3 lbs. (1 kg)
4026406	6 ml flat bottom, 13 mm	12	2.0 x 5.0 x 2.5" (51 x 127 x 64 mm)	3 lbs. (1 kg)
4026407	15 ml round, 16-17 mm	12	2.0 x 6.0 x 3.0" (51 x 152 x 76 mm)	4 lbs. (2 kg)
4026408	15 ml conical, 16-17 mm	12	2.0 x 6.0 x 4.0" (51 x 152 x 102 mm)	5 lbs. (2 kg)
4026409	50 ml round, 28 mm	4	1.5 x 6.0 x 4.0" (38 x 152 x 102 mm)	3 lbs. (1 kg)
4026410	50 ml conical, 28 mm	4	1.5 x 6.0 x 4.0" (38 x 152 x 102 mm)	3 lbs. (1 kg)
4026411	microtiter well plate, 3.4" x 5.0" (86 x 127 mm)	1	6.0 x 8.0 x 1.5" (152 x 203 x 38 mm)	5 lbs. (2 kg)
	1.5 ml microcentrifuge	12		
	0.5 ml microcentrifuge	12		

PURIFIER® LOGIC+ CLASS II BIOSAFETY CABINETS

FILTERS, DUCTWORK & BLOWERS

Screen Prefilter Starter Kits

Each kit consists of a washable/reusable, metal screen-type prefilter and hardware including bracket for installing on the towel catch.

Installation is required.

Catalog #	For use with	Shipping Wt.
3406100	3-Ft Biosafety Cabinet	4 lbs. (2 kg)
3406101	4-Ft Biosafety Cabinet	5 lbs. (2 kg)
3406102	5-Ft Biosafety Cabinet	6 lbs. (3 kg)
3406103	6-Ft Biosafety Cabinet	7 lbs. (3 kg)

G4 Prefilter Starter Kits & Replacement Prefilters

Pleated disposable filter with Merv 8 rating. Kits include prefilter, hardware and bracket for installing on the towel catch. **Installation is required.**

Kit Catalog #	Repl. Prefilter Catalog #	For use with
3406000	3406200	3-Ft Biosafety Cabinet
3406001	3406201	4-Ft Biosafety Cabinet
3406002	3406202	5-Ft Biosafety Cabinet
3406003	3406203	6-Ft Biosafety Cabinet



Ventus™ Canopy Connection

For thimble ducting Class II, Type A2 Biosafety Cabinets. Canopy provides an air gap to allow room air to enter the ductwork and mix with the filtered air

being exhausted to the outside. Inadequate exhaust activates the switch in less than one second and signals the LCD to display an alarm and the motor to increase to maximum speed for personal safety. Adds only 1.25' to the overall height of the cabinet. Powder-coated steel. Outlet is 10" (25.4 cm) ID.

Exhaust connection is required. Damper 3776800 and Remote Blower 7068000 or 7068200 are recommended (not included). Contact Labconco for information on factory installation. Shipping weight 15 lbs. (7 kg)

Catalog #	For use with	Total Exhaust Volume (Safety Cabinet and Room Air)		
		8" Sash Opening	9" Sash Opening	10" Sash Opening
3889200	3-Ft Class II, Type A2	223-353	248-351	273-379
3889201	4-Ft Class II, Type A2	289-369	324-433	359-470
3889202	5-Ft Class II, Type A2	356-470	398-516	440-562
3889203	6-Ft Class II, Type A2	423-543	473-598	523-654



3776800 Air-Tight Damper

Mounts atop the Canopy Connection to adjust exhaust airflow and closes for decontamination procedures. Manually adjustable. Type 304 stainless steel. 10" (25.4 cm) high with 10" (25.4 cm) diameter OD inlet and outlet. Shipping weight 13 lbs. (6 kg)



Remote Blowers

Required for Type B2 cabinets and recommended for canopy-ducted Type A2 cabinets. Phenolic-coated impeller and housing, powder-coated steel base and weather cover, belt-drive motor with adjustable sheave and self-adjusting gravity belt tightener. Contact Labconco for dimensions and blowers of other sizes and electrical configurations.

Catalog #	For use with	Electrical Requirements	HP	CFM Range†	Shipping Weight
7068000	3-Ft & 4-Ft Type A2 Cabinets	115 volts, 60 Hz, 1 phase, 4.0 amps	1/6	370 @ .12" to 410 @ .38"	92 lbs. (42 kg)
7068200	5-Ft & 6-Ft Type A2 Cabinets	115 volts, 60 Hz, 1 phase, 4.4 amps	1/4	540 @ .25" to 430 @ .75"	92 lbs. (42 kg)
7071900	4-Ft & 6-Ft Type B2 Cabinets	230/460 volts, 60 Hz, 3 phase, 5.8/2.9 amps	2	977 @ 3.4" to 1161 @ 4.7"	100 lbs. (45 kg)

† Air volume at static pressure in inches H₂O



3858800 Backdraft Damper

Mounts in vertical duct run to prevent reverse pressurization of the exhaust system. 3.0" (8 cm) high with 10" (25.4 cm) diameter OD inlet and outlet. Shipping weight 5 lbs. (2 kg)

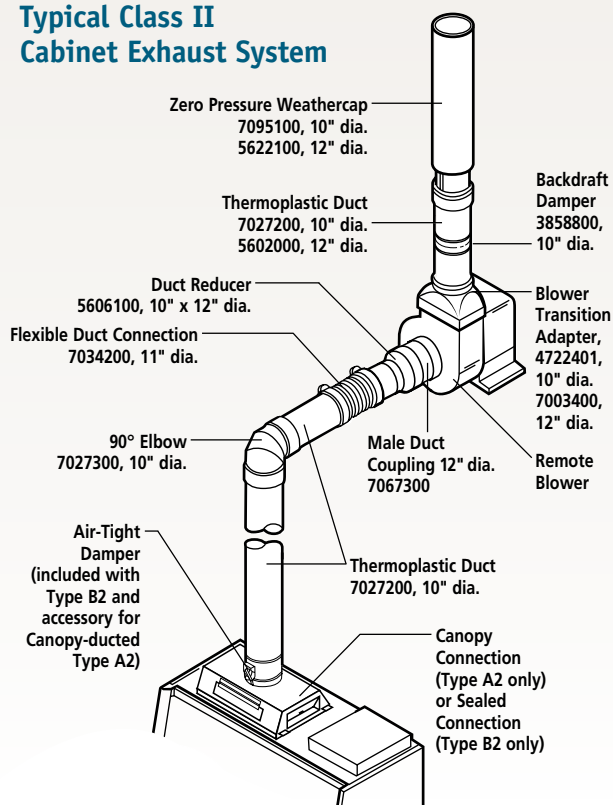
Flexible Hose Kits

For connection between the Ventus™ and exhaust ductwork.

10" nominal diameter. Include spiral flexible tubing and clamps.

Catalog #	Hose Length	Shipping Wt.
7034200	1' (30.5 cm)	2 lbs. (1 kg)
7034201	3' (91.4 cm)	5 lbs. (2 kg)
7034202	6' (182.9 cm)	10 lbs. (5 kg)
7034203	10' (304.8 cm)	20 lbs. (9 kg)

Typical Class II Cabinet Exhaust System



Contact Labconco at 800-821-5525 or 816-333-8811 for ordering information and technical assistance in selecting the right ductwork for your installation.

	7068000 & 7068200	7071900
Inlet	10.87" (27.6 cm) ID	12.25" (31.1 cm) OD
Outlet	5.5" d x 10.0" w (14 x 25 cm)	7.0" x 13.5" (18 x 34 cm)
Blower Transition Adapter Required	4722401	7003400

PURIFIER® LOGIC+ CLASS II BIOSAFETY CABINETS

TELESCOPING BASE STANDS (NON-WELDED)

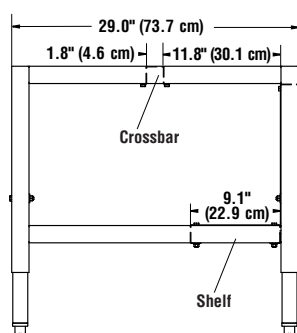
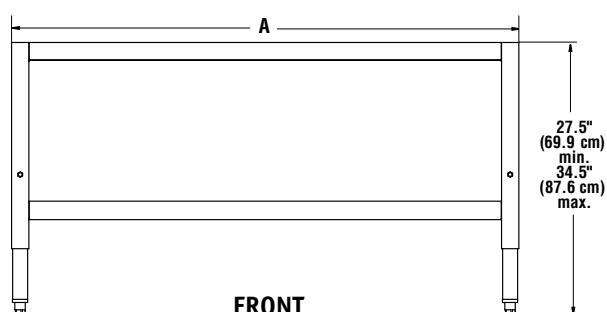
These stands have telescoping legs so that they may be adjusted to eight height positions.*

Standard Features

- NSF-approved. Meet NSF Standard for stability and construction.
- Support Purifier Logic Biosafety Cabinets.
- Support loads up to 1000 pounds.
- ADA-compliant.
- Durable 1.75" tubular, powder-coated steel frame with back panel support.
- Telescoping legs are adjustable to eight height positions at installation in 1" (2.5 cm) increments to provide a working height from 30" (76 cm) to 37" (94 cm).*
- 9" (23 cm) shelf is included.
- Four fixed leveling feet are provided.
- Unassembled. May be easily assembled with simple hand tools.

*Height selection and adjustment are required **before** the enclosure is installed on the stand.

Catalog #	Nominal Width	A
3401003	3-Ft	38.5" (97.8 cm)
3401004	4-Ft	50.5" (128.3 cm)
3401005	5-Ft	62.5" (158.8 cm)
3401006	6-Ft	74.5" (189.2 cm)



Telescoping Base Stand (non-welded) 3401004

Telescoping Base Stands (non-welded)

Nominal Width	Catalog #	Shipping Weight
3-Ft	3401003	117 lbs. (53 kg)
4-Ft	3401004	125 lbs. (57 kg)
5-Ft	3401005	133 lbs. (60 kg)
6-Ft	3401006	149 lbs. (68 kg)

** Enclosures supported by mobile Base Stands will require special modifications to incorporate flexible ducting, wiring and plumbing when applied.

Comply with height and knee clearance guidelines outlined in ADA Standards for Accessible Design.



3730500 Caster Kit

For converting Telescoping Base Stands with Fixed Feet to mobile stands. Kit includes four 5" diameter, non-marking polyurethane casters with toe locks. Load rating for each caster is 250 pounds. Casters have bearings for quiet operation. Casters replace the fixed feet included with Telescoping Base Stands. Casters add 11" (28 cm) to the overall depth of the base stand. **Installation is required.** Not for use with stands that support Purifier Logic Class II, Type B2 Safety Cabinets. Shipping weight 10 lbs. (5 kg)



3857000 Seismic Bracket Kit

For securing the Telescoping Base Stand to the floor in earthquake-prone regions. Includes four stainless steel seismic brackets and hardware for attachment to the stand. **Hardware to attach to the floor and installation are required.** Shipping weight 10 lbs. (5 kg)



Laptop Computer Arms

Securely support a laptop computer within easy view of an operator at the Cell Logic+. Mount to front leg of front leg of Telescoping Base Stands or front of SoLo Base Stands (see back cover). Articulating arm raises, lowers and pivots to a steady position. Include powder-coated steel arm and support surface with cloth loop fasteners and mounting hardware. Not for use with other Hydraulic Lift Base Stands. **Installation is required.**

Catalog #	For use with	Shipping
3869300	Telescoping Base Stand	12 lbs. (5 kg)
3869200	Solo Hydraulic Lift Base Stand	12 lbs. (5 kg)

PURIFIER® LOGIC+ CLASS II BIOSAFETY CABINETS

HYDRAULIC LIFT BASE STANDS

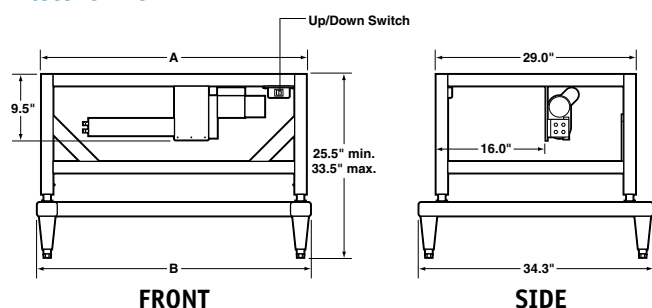
These stands have a built-in hydraulic lift so that height may be adjusted at any time. They allow the user to position the stand and the safety cabinet it supports to accommodate persons of different heights and wheelchair-bound users, to transport equipment through doorways, and for easier access to services.

Standard Features

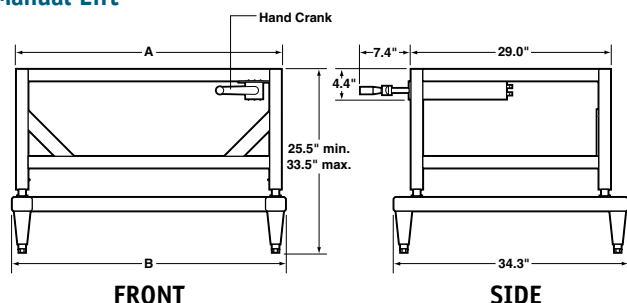
- Meet NSF Standard for stability and construction.
- Support Purifier Logic Biosafety Cabinets.
- Support loads up to 1000 pounds.
- ADA-compliant.
- Durable 1.75" (4.4 cm) tubular, epoxy-coated steel frame with rear crossbar supports. Sub-frame has 2.0" (5.1 cm) x 3.0" (7.6 cm) rectangular tubing.
- Height is infinitely adjustable from 25.5" (64.8 cm) to 33.5" (85.1 cm) high.
- Include four powder-coated, die-cast feet with levelers.
- Include front-accessible up/down switch (Electric Lift models)
- Include front-accessible hand crank. Turning the crank clockwise raises the stand; counterclockwise lowers it. The handle may be disengaged and folded under, out of the way, when not in use. (Manual Lift models)
- Shipped fully assembled.

Catalog Numbers	Nominal Width	A	B
3780100, 3780103, 3780200	3-Ft	38.5"	39.7"
3780101, 3780104, 3780201	4-Ft	50.5"	51.7"
3780106, 3780107, 3780203	5-Ft	62.5"	63.9"
3780102, 3780105, 3780202	6-Ft	74.5"	75.7"

Electric Lift



Manual Lift



Hydraulic Lift Base Stand 3780201.

Nominal Width	Catalog #	Description	Shipping Weight
3-Ft	3780100	Electric. 115 volts, 60 Hz, 2.4 amps	170 lbs. (77 kg)
3-Ft	3780103 [†]	Electric. 230 volts, 50/60 Hz, 0.8 amp	170 lbs. (77 kg)
3-Ft	3780200	Manual	170 lbs. (77 kg)
4-Ft	3780101	Electric. 115 volts, 60 Hz, 2.4 amps	185 lbs. (84 kg)
4-Ft	3780104 [†]	Electric. 230 volts, 50/60 Hz, 0.8 amp	185 lbs. (84 kg)
4-Ft	3780201	Manual	185 lbs. (84 kg)
5-Ft	3780106	Electric. 115 volts, 60 Hz, 2.4 amps	215 lbs. (98 kg)
5-Ft	3780107 [†]	Electric. 230 volts, 50/60 Hz, 0.8 amp	215 lbs. (98 kg)
5-Ft	3780203	Manual	215 lbs. (98 kg)
6-Ft	3780102	Electric. 115 volts, 60 Hz, 2.4 amps	225 lbs. (102 kg)
6-Ft	3780105 [†]	Electric. 230 volts, 50/60 Hz, 0.8 amp	225 lbs. (102 kg)
6-Ft	3780202	Manual	225 lbs. (102 kg)



Caster Kit 3784000

Includes four 5" (13 cm) diameter, non-marking polyurethane casters with toe locks and bearings.

Load rating for each caster is 250 pounds. Casters replace the fixed feet and add 11" (28 cm) to the overall depth of the base stand. **Installation is required.** ** Not for use with stands that support Type B2 Safety Cabinets. Shipping weight 10 lbs. (5 kg)



4028600 Support Shelf

Provide a work surface to support remote equipment. Powder-coated steel shelf mounts to left-side tubular frame of base stand. 12.0" w x 22.0" deep (26 x 30 cm). **Installation is required.** Shipping weight 23 lbs. (10 kg)

**Enclosures supported by mobile Base Stands will require special modifications to incorporate flexible ducting, wiring and plumbing when applied.

[†] International electrical configuration

Complies with Americans with Disabilities Act Standard for height of controls and receptacles

PURIFIER® LOGIC+ CLASS II BIOSAFETY CABINETS

SOLO™ BASE STANDS

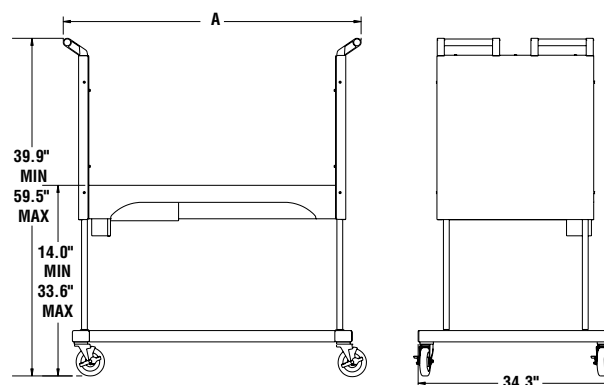
SoLo™ Hydraulic Lift Base Stands are specifically designed to support Purifier Logic+ and Cell Logic+ Class II, Type A2 Biosafety Cabinets. The hydraulic lift system permits the stand to be lowered allowing the safety cabinet to be rolled through standard doorways as low as 78" (198 cm) high. Casters provide mobility and lock in place for stability.

Standard Features

- Meet NSF Standard for stability and construction.
- Support any Purifier Logic+ or Cell Logic+ Class II, Type A2 Safety Cabinet.
- ADA-compliant.
- Durable powder-coated steel construction.
- Support loads up to 1300 pounds (590 kg).
- Built-in hydraulic lift is operated by a remote control with buttons for upward and downward movement. Height adjustment positions the enclosure for persons of different statures, wheel-chair bound users, transport through doorways, and easier service access to upper components.
- Infinitely adjustable height provides work surface heights from 17.2" (43.7 cm) to 36.8" (93.5 cm) and overall enclosure height as low as 76.2" (193.5 cm).
- 5" (13 cm) diameter, toe-locking, non-marking polyurethane casters with bearings for quiet operation.
- Two handle bars on each side facilitate transport. Bars are durable PVC-coated steel tubes with polyamide brackets.
- Accommodate Laptop Computer Arm 3869200, sold separately. See page 18.
- Shipped fully assembled.



SoLo Hydraulic Lift Base Stand 3780311.



Nominal Width	Actual Width (A)	Catalog #	Electrical Requirements	Plug Type	Additional Load Capacity*	Shipping Weight
3-Ft.	53.5"	3780310	115 volts, 60 Hz, 2 amps	115 volts, 15 amps	700 lbs. (318 kg)	395 lbs. (179 kg)
3-Ft.	53.5"	3780314	230 volts, 50/60 Hz, 3 amps	North America, 230 volts	700 lbs. (318 kg)	395 lbs. (179 kg)
3-Ft.	53.5"	3780330	230 volts, 50/60 Hz, 3 amps	British (UK), 230 volts	700 lbs. (318 kg)	395 lbs. (179 kg)
3-Ft.	53.5"	3780334	230 volts, 50/60 Hz, 3 amps	Schuko, 230 volts	700 lbs. (318 kg)	395 lbs. (179 kg)
3-Ft.	53.5"	3780338	230 volts, 50/60 Hz, 3 amps	China/Australia, 230 volts	700 lbs. (318 kg)	395 lbs. (179 kg)
4-Ft.	65.5"	3780311	115 volts, 60 Hz, 2 amps	115 volts, 15 amps	600 lbs. (272 kg)	435 lbs. (197 kg)
4-Ft.	65.5"	3780315	230 volts, 50/60 Hz, 3 amps	North America, 230 volts	600 lbs. (272 kg)	435 lbs. (197 kg)
4-Ft.	65.5"	3780331	230 volts, 50/60 Hz, 3 amps	British (UK), 230 volts	600 lbs. (272 kg)	435 lbs. (197 kg)
4-Ft.	65.5"	3780335	230 volts, 50/60 Hz, 3 amps	Schuko, 230 volts	600 lbs. (272 kg)	435 lbs. (197 kg)
4-Ft.	65.5"	3780339	230 volts, 50/60 Hz, 3 amps	China/Australia, 230 volts	600 lbs. (272 kg)	435 lbs. (197 kg)
5-Ft.	77.5"	3780312	115 volts, 60 Hz, 2 amps	115 volts, 15 amps	500 lbs. (227 kg)	460 lbs. (209 kg)
5-Ft.	77.5"	3780316	230 volts, 50/60 Hz, 3 amps	North America, 230 volts	500 lbs. (227 kg)	460 lbs. (209 kg)
5-Ft.	77.5"	3780332	230 volts, 50/60 Hz, 3 amps	British (UK), 230 volts	500 lbs. (227 kg)	460 lbs. (209 kg)
5-Ft.	77.5"	3780336¹	230 volts, 50/60 Hz, 3 amps	Schuko, 230 volts	500 lbs. (227 kg)	460 lbs. (209 kg)
5-Ft.	77.5"	3780340	230 volts, 50/60 Hz, 3 amps	China/Australia, 230 volts	500 lbs. (227 kg)	460 lbs. (209 kg)
6-Ft.	89.5"	3780313	115 volts, 60 Hz, 2 amps	115 volts, 15 amps	350 lbs. (159 kg)	600 lbs. (272 kg)
6-Ft.	89.5"	3780317	230 volts, 50/60 Hz, 3 amps	North America, 230 volts	350 lbs. (159 kg)	600 lbs. (272 kg)
6-Ft.	89.5"	3780333	230 volts, 50/60 Hz, 3 amps	British (UK), 230 volts	350 lbs. (159 kg)	600 lbs. (272 kg)
6-Ft.	89.5"	3780337	230 volts, 50/60 Hz, 3 amps	Schuko, 230 volts	350 lbs. (159 kg)	600 lbs. (272 kg)
6-Ft.	89.5"	3780341	230 volts, 50/60 Hz, 3 amps	China/Australia, 230 volts	350 lbs. (159 kg)	600 lbs. (272 kg)



Protecting your
laboratory environment
LABCONCO

Labconco Corporation

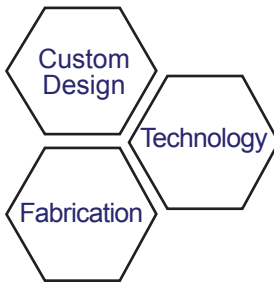
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**Pathology Equipment
Built Your Way**



ELEVATING PEDESTAL AUTOPSY TABLE

PMT Scientific's AEP032 Elevating Pedestal Autopsy Table incorporates electro-mechanical lifting mechanisms and ventilation within the envelope of the pedestal. The maximum lift capacity for the standard unit is 500 lbs. PMT Scientific's unique downdraft ventilation system is the industry's leader.

Standard Features

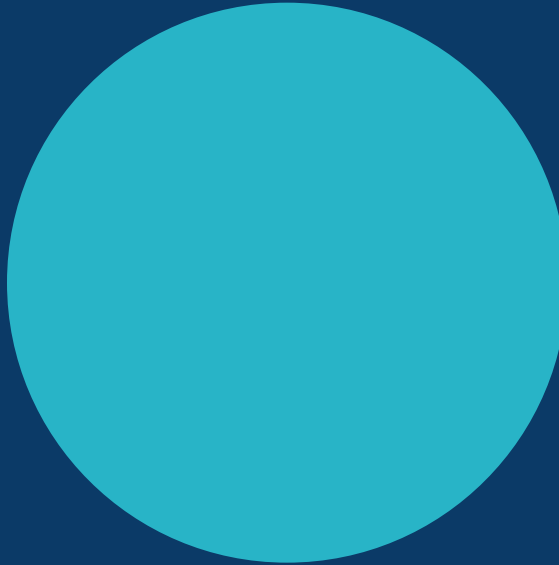
- All stainless-steel construction
- 30" W x 100" L x 32-40" H
- Integral sink, fully welded, custom sizes available
- Two GFCI protected electrical receptacles with water-tight covers on each side of pedestal
- Hydro-aspirator located near sink for drainage, vacuum breaker protected
- Deck mounted hand spray rinse along with swing spout faucet, vacuum breaker protected
- Recessed grid plates over table edges with ½" holes on 2" square centers
- 2-year warranty



Optional Features

- Custom sizes are available to fit your space requirements
- Heavy duty 1HP disposal
- Evidence screen
- Weighing scale and/or scale stand, table mounted
- Perimeter rinse located under grid plates





RESPIRATORY, SAFETY & FACILITY EQUIPMENT

Manufacturer brochures, specifications, and product literature curated for VA, hospital, clinic, laboratory, and healthcare facility requirements.



Knowledge Beyond Measure.

PortaCount® Respirator Fit Tester

Model 8048



Respirator Fit Testing You Can Trust

PortaCount® Respirator Fit Tester utilizes the most effective quantitative fit testing method available to identify poor fitting masks. Industry-first features train staff how to wear respirators for optimal protection. Have confidence with the most trusted fit test instrument to increase your staff's safety, and improve your program's efficiency and productivity.

Features and Benefits

- OSHA, CSA, HSE INDG, ANSI/ASTM, ISO, INRS and JIS accepted for ALL Full-facepiece and Half-facepiece tight fitting elastomeric respirators and filtering facepiece respirators, including NIOSH Series -95 /-99 /-100; EN -P1 / -P2 / P3 filter media.
- Measures fit factors from 1 to greater than 10,000
- Computes respirator fit factor using microscopic particles in ambient air
- Automates fit testing with FitPro™ Ultra Software
- Real-Time FitCheck™ Mode to train new users and troubleshoot failed fit tests
- Mask sampling adapter kits enable fit testing in employee's personal respirators
- Software can print fit test cards with fit test report

PortaCount® Model 8048 Includes

- N95-Companion™ Technology
- Carrying case
- AC adaptor
- Alcohol supply (sixteen 30 ml bottles of 99.5% reagent grade isopropanol – enough for ~240 hours of operation)
- FitPro™ Ultra Fit Test Software
- Particle Generator
- Standard accessory kit (twin tubing, zero filters, spare wicks, alcohol fill capsule and cartridge, USB cable)
- Filtering Facepiece fit testing kit (probe insertion tool, probes, push nuts and lanyard)

FitPro™ Ultra Fit Test Software

- New FitPro™ Ultra Fit Test Software improves efficiency and simplifies fit testing
- New advanced user interface with intuitive design supporting one-step-to-a-fit test
- Wireless WiFi® communication to leverage the utility of a laptop or tablet
- Industry first active animations guide the test subject through the fit test exercises to ensure greater compliance
- Interactive troubleshooting guide



Specifications

PortaCount® Respirator Fit Tester

Model 8048

Fit Factor Range

1 to greater than 10,000, 1 to 200 for respirators with <99% efficient filters (i.e., N95's)

Respirator Facepieces that can be Fit Tested

Full-facepiece elastomeric
Half-facepiece elastomeric
NIOSH Series-100 filtering-facepiece
NIOSH Series-99 filtering-facepiece
NIOSH Series-95 filtering-facepiece
EN FFP1 filtering-facepiece
EN FFP2 filtering-facepiece
EN FFP3 filtering-facepiece

Fit Factor Measurement

Direct measurement of fit factor = $(C_{out}/C_{in})^*$

Dimensions

4.83 in. x 10.5 in. x 9.46 in. (12 cm x 27 cm x 24 cm)

Weight

Unit Only	7.0 lb. (3.2 kg)
With Standard Accessories and Case	15.35 lb. (6.9 kg)

Power

Autosensing 100 to 250 VAC, 50 to 60 Hz

Flow Rate

Sample	350 cm ³ /min
Total	1000 cm ³ /min (nominal)

Temperature Range

Operation	32 to 100°F (0 to 38°C)
Storage	-40 to 122°F (-40 to 50°C)

Working Fluid

99.5% reagent grade isopropyl alcohol.

Run time per charge:	Typical 6-hr of fit testing operation at 70°F (21°C)
----------------------	--

Carrying Case

Dimensions (HWD)	10.0 in. x 20.5 in. x 15.5 in. (25.4 cm x 52.1 cm x 39.4 cm)
------------------	---

Pass/Fail Setting

User-selectable: 0 to 10,000

Factory Recalibration Interval

One year

Warranty

Two years on workmanship and materials.

Communications

WiFi, USB-C, USB-A

PC Hardware Requirements for FitPro™ Ultra Fit Test Software

Windows® 7 (32 and 64 bit), Windows® 8 (32 and 64 bit), Windows® 10, and Windows® 11 (32 and 64 bit) operating system Microsoft.
Net version 4 (installation software will install Microsoft.Net if necessary) Note — An internet connection is required to install Microsoft.Net.
≥ 1 GHz process
≥ 1280 x 800 screen resolution monitor
500 MB free space on hard drive
1 free USB port

Tablet Requirements

Windows® 10 and Windows® 11 operating system USB port (for initial set up)

Software

FitPro™ Fit Test Ultra Software featuring advanced user interface, animated graphics, and interactive troubleshooting guide.

Optional Accessories

Mask Sampling Adapters for select respirator models.
Microsoft® Surface Pro Tablet (4 GB RAM, 128 GB of storage).
WiFi USB dongle.

*Mask leakage is measured simultaneously while test subject moves and breathes.

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To see our list of patents please visit:
www.tsi.com/patents



Knowledge Beyond Measure.

TSI Incorporated - Visit our website www.tsi.com for more information.

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France	Tel: +33 1 41 19 21 99	Singapore	Tel: +65 6595 6388
Germany	Tel: +49 241 523030		



Lead-Lined Cabinet Solutions

for Nuclear Medicine and Radiopharmacy Environments

ISO 13485:2016
CERTIFIED



CAPINTEC
A MIRION MEDICAL COMPANY

Shielded Cabinet Solutions for Hot Lab Environments

Handling radioactive materials requires more than storage. Facilities must manage shielding, exposure control, material segregation, and secure access across preparation, storage, decay, and waste workflows. As isotope activity levels increase and space constraints tighten, maintaining safe, compliant environments becomes increasingly complex.

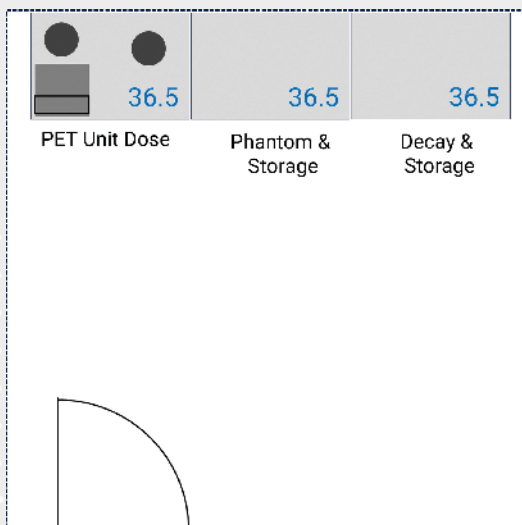
Capintec lead-lined cabinets are designed to address these challenges by providing engineered shielding solutions that support safe handling and storage of radioactive materials across nuclear medicine and radiopharmacy operations. The portfolio includes preparation, storage, decay, waste, PET dose handling, generator, sink, and phantom cabinets that can be deployed individually or combined to support complete hot lab configurations.

All cabinets are available in multiple lead thicknesses and are built to a consistent footprint and working height, helping facilities maintain shielding continuity while adapting layouts to operational needs.

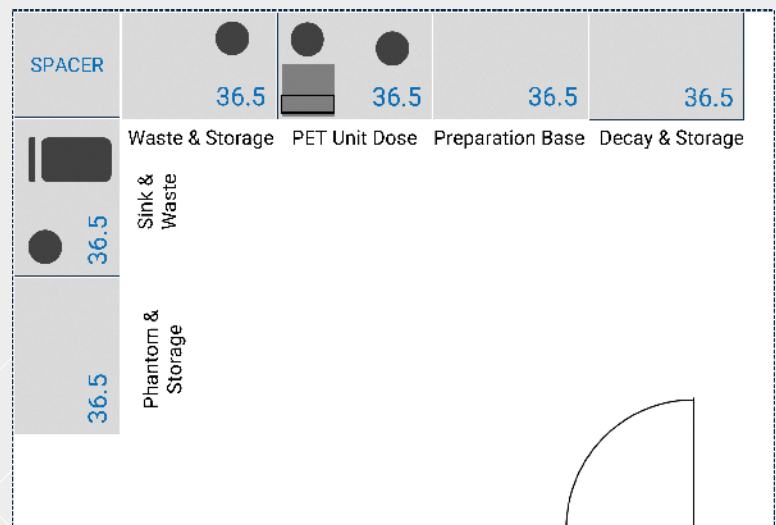


► Example Hot Lab Configurations

10' x 10' Hot Lab (3.05 m x 3.05 m)



10' x 15' Hot Lab (3.05 m x 4.57 m)



► Preparation and Dose Handling



Lead-Lined Preparation Enclosure and Base Cabinet

Designed to support dose preparation activities, the preparation enclosure and base cabinet provides a shielded workspace with integrated storage beneath. Available in multiple lead thicknesses, the system supports routine preparation tasks while maintaining radiation protection.



Lead-Lined PET Unit Dose Cabinet

The PET Unit Dose Cabinet provides a compact, fully shielded workstation for PET hot labs. It supports PET dose preparation equipment, organized storage for shipping containers and accessories, and accommodates Capintec dose calibrators. The cabinet is designed to function as a stand-alone workstation or as part of a grouped cabinet layout.



► Decay and Waste Management



Lead-Lined Decay and Storage Cabinet

The Decay and Storage Cabinet combines removable isotope storage drawers with adjustable shelving for controlled decay. Designed for routine use, the cabinet supports safe handling and organized storage of radioactive materials within a fully shielded enclosure.



Lead-Lined Waste and Storage Cabinet

This cabinet integrates shielded storage drawers with a waste disposal compartment. A shielded chute directs waste into a polyethylene container, supporting safe disposal and storage until decay.



Lead-Lined Sink and Waste Cabinet

The Sink and Waste Cabinet combines a functional sink workspace with shielded waste disposal. A lead barrier separates the sink area from the waste compartment, allowing safe handling of radioactive waste while supporting routine cleaning and rinsing activities.

► Generator and Phantom Storage



Lead-Lined Generator and Storage Cabinet

Designed for generator handling and decay, this cabinet includes a shielded generator drawer and dedicated compartments for storing decaying generators. Integrated shielding and controlled access support safe generator workflows within hot lab environments.



Lead-Lined Phantom and Storage Cabinet

The Phantom and Storage Cabinet combines isotope storage drawers with a dedicated compartment sized for flood sources and phantoms. The cabinet supports organized storage and consistent placement of phantoms used in routine nuclear medicine operations.

► Cold Storage



Lead-Lined Refrigerator

The Lead-Lined Refrigerator provides secure cold storage for radiopharmaceuticals, tagged biologicals, and radioactive materials. Designed for under-counter or stand-alone installation, the unit combines temperature control with integrated shielding in a compact footprint.

► Modular Design and Configuration

Capintec lead-lined cabinets share a common height and footprint, enabling facilities to combine multiple units into continuous work surfaces. Cabinets may be installed individually or grouped together, with customized options for unified countertops to support integrated hot lab layouts.

Multiple lead thickness options are available across the portfolio to support varying activity levels and shielding requirements.

► Build a Cabinet Configuration That Fits Your Facility

From single cabinets to fully integrated hot labs, Capintec lead-lined cabinet solutions adapt to your space and operational needs.

Contact your Capintec sales representative to learn more about available configurations and options.







The Science of Better.
Better solutions.
Better outcomes.

Capintec, Inc.

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CAPINTEC
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MKTG-6123 01/2026



Draeger BG 4 Closed-Circuit Breathing Apparatus Components

Solicitation ID: 1605C4-26-Q-00082

Due Date: Aug 19, 2026 12:00 PM EDT

Prepared for:

Attn: Oneisha Pickard, Contract Specialist
Alicia M. Jackson, Contracting Officer
U.S. Department of Labor
Customer Acquisition Services
200 Constitution Ave., NW, N-2305 Washington, DC 20210

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Table of content

1. Cover Letter	3
2. SF 1449	5
3. Company Overview	7
4. Past Performance	10
5. Understanding of the Requirement.....	11
6. Proposed Dräger BG 4 / BG ProAir Components	13
7. Technical Compliance Matrix	15
8. OEM Product Authenticity & Compliance	17
9. Quality Assurance & Product Verification.....	19
10. Delivery & Fulfillment Plan	21
11. Regulatory & Contract Compliance.....	24
12. Pricing Proposal	27
13. Conclusion & Commitment	28
14. Brochure.....	30
15. Buy American Certificate	41
16. Sam Registration.....	42



1. Cover Letter

August 19, 2026

To: Oneisha Pickard, Contract Specialist
Alicia M. Jackson, Contracting Officer
U.S. Department of Labor
Customer Acquisition Services
200 Constitution Ave., NW, N-2305
Washington, DC 20210

Solicitation No. ID 1605C4-26-Q-00082 – Draeger BG 4 Closed-Circuit Breathing Apparatus Components

To Ms. Pickard and Ms. Jackson:

Ortho Med Spa Inc. is pleased to submit our quotation in response to Notice ID 1605C4-26-Q-00082 for the provision of Draeger BG 4 Closed-Circuit Breathing Apparatus Components in support of the U.S. Department of Labor (DOL), Mine Safety and Health Administration (MSHA).

We understand the critical importance of maintaining MSHA's closed-circuit breathing apparatus in a state of operational readiness. These systems support Mine Emergency Operations personnel working in irrespirable atmospheres during mine emergencies, including fires, explosions, and gas inundations. Accordingly, product authenticity, compatibility, quality, and timely availability are essential to supporting the safety and readiness of mine rescue personnel.

Ortho Med Spa Inc. proposes to furnish all nine line items identified in the solicitation in the required quantities and in full accordance with the specified manufacturer part numbers. Only genuine Dräger brand/OEM products will be provided. No substitutes, equivalents, aftermarket, refurbished, or remanufactured products are proposed. All components and consumables will be supplied new, unused, and in original manufacturer packaging, ensuring compatibility with the applicable Dräger closed-circuit breathing apparatus and compliance with the Government's technical requirements.

Our quotation includes the required Dräger Filter Mats, Drägersorb 400 Soda Lime, overhaul kits, BG ProAir test kits, BG ProAir Freeze Aid components, BG-4 Dryer Stand, BG ProAir carbon bottles, BG ProAir Ice Cooler Cartridges, and BG ProAir 4-hour breathing apparatus. Each product will be verified against the required manufacturer part number and quantity prior to shipment.

Upon receipt of award, Ortho Med Spa Inc. will promptly coordinate product fulfillment and logistics to ensure delivery to the designated MSHA Mine Emergency Operations location in Pittsburgh, Pennsylvania, within 30 calendar days after receipt of order (ARO). Our team will maintain oversight of order verification, shipment coordination, tracking, and delivery confirmation throughout the fulfillment process.

Ortho Med Spa Inc. offers a Firm-Fixed Price of \$115,827.00 for the complete requirement. Our quoted pricing will remain firm for 90 days from the date specified for receipt of quotations, in accordance with the solicitation instructions.

**Ortho Med Spa**

Address: 729 Elmont Rd Elmont NY, 11003

Phone: (917) 615 3322

Email: sa@orthomedspa.comWebsite: <https://orthomedspagov.com>

As a federally registered small business, Ortho Med Spa Inc. is committed to providing the Department of Labor and MSHA with responsive contract administration, dependable product fulfillment, accurate documentation, and strict adherence to the requirements of this solicitation. We appreciate the opportunity to support MSHA's mission and the continued readiness and safety of its Mine Emergency Operations personnel.

Thank you for your consideration of our quotation. We look forward to the opportunity to support the U.S. Department of Labor and Mine Safety and Health Administration under this requirement.

Respectfully,

Sason Fuzailov
CEO & Founder
Ortho Med Spa
Email: sa@orthomedspa.com
Phone: (917) 615 3322
Address: 729 Elmont Rd Elmont NY, 11003



2. SF 1449

SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL PRODUCTS AND COMMERCIAL SERVICES					
NOTE: OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, AND 30.			1. REQUISITION NUMBER		PAGE 1 OF 33
2. CONTRACT NUMBER		3. AWARD/EFFECTIVE DATE	4. ORDER NUMBER	5. SOLICITATION NUMBER 1605C4-26-Q-00082	6. SOLICITATION ISSUE DATE 08/10/2026
7. FOR SOLICITATION INFORMATION CALL: 		a. NAME Oneisha Pickard		b. TELEPHONE NUMBER (No collect calls)	8. OFFER DUE DATE/ LOCAL TIME 08/19/2026 1200 ED
9. ISSUED BY US Department of Labor Customer Acquisition Services 200 Constitution Ave, NW N-2305 Washington DC 20210		CODE CAS	10. THIS ACQUISITION IS ☒ SMALL BUSINESS ☐ HUBZONE SMALL BUSINESS ☐ SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS (SDVOSB) ☐ UNRESTRICTED OR ☐ WOMEN-OWNED SMALL BUSINESS (WOSB) ☐ ECONOMICALLY DISADVANTAGED WOMEN-OWNED SMALL BUSINESS (EDWOSB) ☐ 8(A) SET ASIDE: 100.00% FOR: NORTH AMERICAN INDUSTRY CLASSIFICATION STANDARD (NAICS): 339113 SIZE STANDARD: 800		
11. DELIVERY FOR FREE ON BOARD (FOB) DESTINATION UNLESS BLOCK IS MARKED ☐ SEE SCHEDULE		12. DISCOUNT TERMS N/A		13a. THIS CONTRACT IS A RATED ORDER UNDER THE DEFENSE PRIORITIES AND ALLOCATIONS SYSTEM - DPAS (15 CFR 700) ☐ 13b. RATING 14. METHOD OF SOLICITATION ☒ REQUEST FOR QUOTE (RFQ) ☐ INVITATION FOR BID (IFB) ☐ REQUEST FOR PROPOSAL (RFP)	
15. DELIVER TO		CODE	16. ADMINISTERED BY US Department of Labor Customer Acquisition Services 200 Constitution Ave, NW N-2305 Washington DC 20210		
17a. CONTRACTOR/ OFFEROR Ortho Med Spa Email: sa@orthomedspa.com Phone: (917) 615 3322 Address: 729 Elmont Rd Elmont NY, 11003 TELEPHONE NUMBER		CODE 16JN6	FACILITY CODE	18a. PAYMENT WILL BE MADE BY CODE	
☐ 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER		18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED ☐ SEE ADDENDUM			
19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES		21. QUANTITY	22. UNIT	23. UNIT PRICE
	The Department of Labor (DOL), Office of the Senior Procurement Executive (OSPE), Office of Acquisition Services (OAS), on behalf of the Mine Safety and Health Administration (MSHA) is, has a requirement for a contractor to Continued... (Use Reverse and/or Attach Additional Sheets as Necessary)				
25. ACCOUNTING AND APPROPRIATION DATA			26. TOTAL AWARD AMOUNT (For Government Use Only)		
☒ 27a. SOLICITATION INCORPORATES BY REFERENCE (FEDERAL ACQUISITION REGULATION) FAR 52.212-1, 52.212-4. ADDENDA FAR 52.212-3 AND 52.212-5 ARE ATTACHED.			☒ ARE ☐ ARE NOT ATTACHED		
☐ 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA			☐ ARE ☐ ARE NOT ATTACHED		
☒ 28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN 1 COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED			29. AWARD OF CONTRACT: REFERENCE OFFER DATED: YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS:		
30a. SIGNATURE OF OFFEROR/CONTRACTOR Sason Fuzailov			31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)		
30b. NAME AND TITLE OF SIGNER (Type or print) Sason Fuzailov CEO & Founder		30c. DATE SIGNED 08/19/2026	31b. NAME OF CONTRACTING OFFICER (Type or print) Alicia M. Jackson		31c. DATE SIGNED

AUTHORIZED FOR LOCAL REPRODUCTION
PREVIOUS EDITION IS NOT USABLE

STANDARD FORM 1449 (REV. 11/2021)
Prescribed by GSA - FAR (48 CFR) 53.212



PAGE 2 OF 33

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	provide components and consumables which are compatible with the Draeger BG closed-circuit breathing apparatus and approved for mine rescue use in irrespirable atmospheres, as defined in the attached Specifications. Delivery will be 30 days from receipt of order. The Government anticipates awarded a firm-fixed price purchase order. The Government anticipates awarded a single-award firm-fixed price contract to a small business in response to this solicitation. Questions pertaining to this RFQ are due by 5:00 P.M. EST on 08/13/2026. Quotes are due per block 8 of this form. Please email all questions and quotes to Oneisha Pickard, pickard.oneisha.s@dol.gov & Alicia Jackson, jackson.alicia.m@dol.gov.				
0001	Draeger Filter Mats (50 per pack) - Part Number 4058167 Product/Service Code: 6515 Continued...	25	PH	\$115,827	\$115,827

32a. QUANTITY IN COLUMN 21 HAS BEEN

☐ RECEIVED ☐ INSPECTED ☐ ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED:

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE		32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE			32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
			32g. EMAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE	
33. SHIP NUMBER ☐ PARTIAL ☐ FINAL	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT ☐ COMPLETE ☐ PARTIAL ☐ FINAL	37. CHECK NUMBER
STOCK RECORD (S/R)		40. PAID BY		
38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER			
41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT		42a. RECEIVED BY (Print)		
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER		42b. RECEIVED AT (Location)		
		42c. DATE RECEIVED (MM/DD/YYYY) 42d. TOTAL CONTAINERS		

STANDARD FORM 1449 (REV. 11/2021) BACK



3. Company Overview

Ortho Med Spa Inc. is a federally registered Small Business specializing in the supply of medical equipment, healthcare products, specialized components, and related solutions to federal, state, and commercial customers throughout the United States. Headquartered in Elmont, New York, the company is committed to providing dependable product sourcing, responsive contract administration, and timely fulfillment in support of Government operational requirements.

Ortho Med Spa Inc. maintains an active registration in the System for Award Management (SAM) and has experience supporting federal procurement requirements involving specialized medical and technical equipment. Our approach combines careful review of solicitation specifications, manufacturer and supplier coordination, product verification, logistics management, and responsive communication throughout the procurement and delivery process.

For Notice ID 1605C4-26-Q-00082, Ortho Med Spa Inc. understands that product authenticity and compatibility are critical to the Mine Safety and Health Administration's mission. MSHA requires components and consumables compatible with its existing Dräger closed-circuit breathing apparatus used to support mine rescue operations in irrespirable atmospheres. Accordingly, our fulfillment approach is centered on providing the exact specified Dräger brand and genuine OEM products, with no substitutes or equivalents.

Ortho Med Spa Inc. will provide all nine required line items in accordance with the specified manufacturer part numbers and quantities. All products will be supplied new, unused, and in original manufacturer packaging. Prior to shipment, our team will verify product identity, manufacturer part number, quantity, condition, and packaging to help ensure complete and accurate fulfillment of the Government's order.



3.1 Capability Statement



Capability Statement

COMPANY SNAPSHOT

Legal Business Name: ORTHO MED SPA INC
UEI: R553PNS7XWH3
CAGE Code: 16JN6
Physical Address: 729 Elmont Rd,
Elmont, NY 11003

POINT OF CONTACT:

👤 Nate Durand
☎ (201) 699-7719
✉ nate.durand@outlook.com

NAICS CODES

423450	334516	541611	541219
339112	446199	541612	532291
339113	621910	541690	424210
423460	611519	541618	621511
334510	423840		

WHY CHOOSE US?

- **Clinically Experienced Team:** Led by licensed healthcare and veteran professionals with direct clinical and emergency care expertise.
- **Proven Federal & Healthcare Performance:** Reliable supplier to hospitals, clinics, and government healthcare programs.
- **End-to-End Medical Support:** One provider for equipment distribution, consulting, staff training, and technology integration.
- **Strict Compliance:** Fully aligned with FAR, HIPAA, ADA, DOT, and federal medical supply chain requirements.
- **Rapid & Scalable Delivery:** Streamlined logistics supporting urgent, large-volume, and mission-critical federal contracts.

ABOUT US

Ortho Med Spa S-CORP is a trusted provider of medical equipment, clinical support services, and emergency response solutions for federal agencies and healthcare institutions. We specialize in delivering high-quality durable medical equipment (DME), orthopedic devices, and innovative medical technologies that support mission-critical operations across military, veteran, and public health environments.

Our team brings extensive experience in healthcare operations, patient support services, and regulatory compliance, enabling us to meet complex federal requirements with efficiency, accuracy, and reliability. We combine medical expertise with a streamlined supply chain to ensure on-time delivery, dependable service, and adherence to all federal contracting standards.



CORE CAPABILITIES

Medical Equipment & Supplies

- Orthopedic braces, prosthetics, orthotics, and DME
- Glucose monitors, Dexcom devices, and diabetic supplies
- PPE, safety gear, and clinical consumables
- Rapid, scalable delivery for federal healthcare needs

Clinical & Healthcare Consulting

- Workflow optimization for hospitals and clinics
- Orthopedic program and patient-care support
- Staff training on equipment, safety, and compliance
- Telehealth and remote monitoring implementation

First Responder & Emergency Support

- EMS and paramedic medical equipment supply
- Training and advisory services for first responder operations
- Emergency and disaster-readiness support

Regulatory & Compliance Services

- HIPAA-compliant data handling
- ADA, DOT, and FDA standards adherence
- Federal procurement and quality assurance support

Medical Technology Integration

- EHR integration for monitoring devices
- Remote patient monitoring solutions
- Advanced orthotic and prosthetic technology adoption



3.2 About Us

Ortho Med Spa is a national medical supply provider specializing in orthotic softgoods, prosthetic components, compression therapy products, and clinical support materials. The company operates as a supply and distribution organization, maintaining active relationships with major manufacturers and validated distributors such as Medline, Cascade Orthopedic Supply, and BraceAbility. The company is fully registered in SAM.gov and maintains the necessary certifications and insurance required to support healthcare-related service delivery.

3.3 Company Profile

Company Name	Ortho Med Spa
Primary Contact	Sason Fuzailov/ President & CEO
Address	729 Elmont Rd Elmont NY, 11003
Phone	+1 (917) 615 3322
Email	sa@orthomedspa.com
Website	https://orthomedspagov.com
UEI	R553PNS7XWH3
CAGE Code	16JN6
NAICS Codes	423450 – Medical, dental, and hospital equipment & supplies merchant wholesalers 339113 – Surgical appliance & supplies manufacturing 423840 – Industrial supplies wholesale (optional). 339112 – Surgical/medical instrument manufacturing 446199 – Health & personal care supplies 532291 – Home health equipment rental

3.4 Our Values

At Ortho Med Spa Inc., our work is guided by a strong foundation of values that reflect our commitment to quality healthcare solutions, operational excellence, and meaningful support for the communities we serve. These principles influence every aspect of our operations, from product sourcing and supplier management to customer service, regulatory compliance, and on-time delivery.

Integrity:

We conduct business with honesty, transparency, and accountability. Our customers rely on us to provide accurate product information, fulfill our commitments, and maintain ethical procurement practices. We take responsibility for ensuring that every product delivered meets applicable manufacturer specifications and supports safe clinical use.

Quality & Compliance:

Quality is central to everything we do. We partner with reputable manufacturers and authorized distributors to provide medical equipment that complies with applicable federal procurement requirements and industry standards. Our processes support product traceability, manufacturer





warranty coverage, regulatory compliance, and dependable documentation, giving our customers confidence in every purchase.

Reliability:

Healthcare operations depend on timely access to critical equipment. Through established manufacturer relationships and efficient supply chain management, we provide dependable product availability, responsive communication, and on-time delivery to support uninterrupted patient care and facility operations.

Collaboration:

We believe successful federal contracting is built on partnership. We work closely with contracting officers, clinical staff, manufacturers, and distribution partners to ensure every solution aligns with technical requirements, operational needs, and the mission of the Department of Veterans Affairs.

Excellence:

We continually strive for excellence in product sourcing, order management, logistics coordination, and customer support. Our team is committed to delivering accurate, responsive, and professional service while maintaining the highest standards of quality and reliability.

Client-Centric Service:

Every healthcare facility has unique operational requirements. We take the time to understand each customer's needs and provide tailored solutions that meet technical specifications, delivery schedules, and budget expectations. Our objective is to deliver dependable medical equipment that enhances clinical efficiency and supports exceptional patient care.

4. Past Performance

Ortho Med Spa has a proven track record supplying orthotic softgoods, prosthetic accessories, rehabilitation bracing, and DME products to federal medical centers and private clinical practices. Our experience includes continuous distribution of braces, off-loading footwear, orthotic inserts, prosthetic liners, and clinical support materials. Our proven performance reflects our ability to manage and deliver services with the highest standards of professionalism, meeting the needs of both private and medical clientele with projects comparable in scope and complexity to the services proposed.

4.1 Relevant Project Experience

The following projects highlight our direct, hands-on experience in building and managing solutions that are highly relevant to VA 's requirements.

4.1.1 Reference 1

Client	Department of Veterans Affairs Medical Center
Contact	Thaddeus Gray
Title	Contracting Officer
Facility Address	Rocky Mountain Regional VAMC 1700 N. Wheeling St. Aurora CO 80045
Contact Information	Desk Ph: 303-712-5739 thaddeus.gray@va.gov



Project Value	\$688,402.00
Services Provided	Ortho Med Spa has been awarded a contract for the purchase and delivery of TSA Instrument Sets to the Rocky Mountain Regional VAMC.

4.1.2 Reference 2

Client	Department of Veterans Affairs Medical Center
Contact	LEAH SMITH
Title	Contracting Officer
Facility Address	VA Southern Nevada Healthcare System 6900 N. Pecos Road, Building 6 North Las Vegas NV 89086
Contact Information	leah.smith@va.gov
Project Value	\$161,000.00
Services Provided	Ortho Med Spa has been awarded a contract for the purchase and delivery of BRAINSWAY Deep TMS System 104 with Accessories

4.1.3 Reference 3

Client	Uniformed Services University of the Health Sciences (USUHS)
Contact	Christopher P. White
Title	Contracting Officer
Facility Address	4301 Jones Bridge Road Bethesda, MD 20814-4712
Contact Information	christopher.white@usuhs.edu
Project Value	\$28,000.00
Services Provided	Ortho Med Spa Inc. was awarded a contract for the supply and delivery of a Non-invasive Vascular Health Assessment Device, including all required accessories, in accordance with the Government's specifications.

4.1.4 Reference 4

Client	U.S. Secret Service – Procurement Division (PRO)
Contact	Theresa Williams
Title	Contracting Specialist
Facility Address	245 Murray Lane SW, Building T-5 Washington, DC 20223
Contact Information	Email: Theresa.Williams@uss.s.dhs.gov Phone: 202-406-6213
Project Value	\$ 33,500.00
Services Provided	Ortho Med Spa Inc. was awarded a contract for the supply and delivery of two (2) InBody 770S Body Composition Analyzers for the U.S. Secret Service Rowley Training Center (RTC), including all required accessories and delivery in accordance with the contract requirements.

5. Understanding of the Requirement

Ortho Med Spa Inc. understands that the U.S. Department of Labor (DOL), Mine Safety and Health Administration (MSHA) requires a reliable supply of genuine Dräger components and



consumables to support its existing inventory of closed-circuit breathing apparatus used by Mine Emergency Operations personnel.

MSHA currently maintains 60 Dräger closed-circuit breathing apparatus units distributed among four Mine Rescue Station locations in Pittsburgh, Pennsylvania; Beckley, West Virginia; Madisonville, Kentucky; and Price, Utah. Many of these units were acquired in 2004 and have experienced extensive use during mine emergency responses and Mine Emergency Unit training exercises. Maintaining these systems and the necessary replacement components in an operationally ready condition is therefore essential to MSHA's mine rescue mission.

Ortho Med Spa Inc. recognizes that mine emergencies—including fires, explosions, and gas inundations—can occur without warning and may create irrespirable atmospheres in which properly functioning respiratory protection equipment is essential. The required components and consumables must therefore provide the compatibility, reliability, and product integrity necessary to maintain the Government's existing Dräger equipment and support immediate deployment when required.

5.1 Requirement Objectives

Based on our review of Notice ID 1605C4-26-Q-00082, Ortho Med Spa Inc. understands that successful performance requires the contractor to:

- Furnish all nine specified Dräger line items in the exact quantities identified in the solicitation.
- Provide the exact manufacturer part numbers specified by MSHA.
- Supply only Dräger brand or genuine OEM parts manufactured by Dräger.
- Provide no substitutes, equivalent products, aftermarket products, refurbished products, or remanufactured products.
- Ensure that all products are new and unused.
- Provide all products in their original manufacturer packaging.
- Ensure that the components and consumables are compatible with the applicable Dräger closed-circuit breathing apparatus and suitable for the intended mine rescue application.
- Verify product identity, manufacturer part number, quantity, and condition prior to shipment.
- Deliver the complete requirement within 30 calendar days after receipt of order (ARO).

5.2 Delivery Requirement

Ortho Med Spa Inc. understands that the complete order is required to be delivered within 30 days ARO to:

U.S. Department of Labor
Mine Safety and Health Administration
Pittsburgh Safety and Health Technology Center
Mine Emergency Operations
626 Cochran's Mill Road, Building 151
Pittsburgh, PA 15236

Our team will coordinate product fulfillment, verification, shipment, tracking, and delivery confirmation to ensure that the Government receives the specified products within the required timeframe.



5.3 Commitment to Full Technical Compliance

Ortho Med Spa Inc. understands that technical acceptability depends upon meeting the Government's specifications without exception. Accordingly, we are committed to furnishing the exact specified Dräger/OEM products in the required quantities, new and unused, and in original manufacturer packaging.

Our approach is designed to provide MSHA with dependable and accurate fulfillment while protecting the compatibility and operational readiness of its existing Dräger respiratory protection equipment. Ortho Med Spa Inc. will maintain close coordination throughout the fulfillment process and will perform product verification before shipment to ensure that each delivered item conforms to the requirements of Notice ID 1605C4-26-Q-00082.

6. Proposed Dräger BG 4 / BG ProAir Components

Ortho Med Spa Inc. proposes to furnish the complete quantity of Dräger BG 4 / BG ProAir components and consumables specified under Notice ID 1605C4-26-Q-00082. Our proposed solution is based on the exact manufacturer part numbers identified by the Mine Safety and Health Administration (MSHA) to ensure compatibility with the Government's existing Dräger closed-circuit breathing apparatus.

Ortho Med Spa Inc. will supply only Dräger brand or genuine OEM products manufactured by Dräger. All products furnished under this requirement will be new, unused, and provided in original manufacturer packaging. No substitute or equivalent products are proposed.

6.1 Proposed Product Schedule

Item	Dräger Product	Part Number	Quantity	Offered Product
0001	Dräger Filter Mats – 50 per pack	4058167	25 Packs	Exact Dräger/OEM
0002	Drägersorb 400 Soda Lime – 40 lb Keg	6737985	80 EA	Exact Dräger/OEM
0003	Overhaul Kits	R34825	4 EA	Exact Dräger/OEM
0004	BG ProAir Test Kit	3722266	4 EA	Exact Dräger/OEM
0005	BG ProAir Freeze Aid	3723001	4 EA	Exact Dräger/OEM
0006	BG-4 Dryer Stand	SB20013	1 EA	Exact Dräger/OEM
0007	BG ProAir Carbon Bottle	R360395	4 EA	Exact Dräger/OEM
0008	Dräger BG ProAir Ice Cooler Cartridge	3701814	32 EA	Exact Dräger/OEM
0009	BG ProAir 4-Hour Apparatus	R360532	4 EA	Exact Dräger/OEM

6.2 Dräger BG ProAir 4-Hour Apparatus

Ortho Med Spa Inc. will provide four (4) BG ProAir 4-Hour Apparatus, Part Number R360532, as specified by MSHA.

The Dräger BG ProAir is a positive-pressure closed-circuit breathing apparatus designed for long-duration deployment. Its closed breathing circuit is designed to prevent hazardous substances from entering the breathing system while carbon dioxide from exhaled air is removed through a CO₂ absorber. Prior to inhalation, breathing air is cooled and enriched with oxygen.



According to Dräger manufacturer documentation, the BG ProAir provides a nominal 240-minute duration at a work rate of 30 L/min, supporting the extended operational periods associated with mine rescue and other demanding emergency-response applications.

The apparatus incorporates features intended to support operational safety and usability, including:

- Positive-pressure closed breathing circuit.
- Closed housing to help prevent dirt or sparks from entering the breathing loop.
- High-contrast monitoring display for essential operating information.
- Active lighting for visibility in dark environments.
- Slim-profile design for improved movement in confined spaces.
- CO₂ absorber for removal of carbon dioxide from exhaled breathing air.
- Oxygen dosage system.
- Low-pressure monitoring and warning capability.
- Cooling system designed to reduce inhaled-air temperature.
- Ergonomic carrying system for extended-duration use.

6.3 Drägersorb 400 Soda Lime

Ortho Med Spa Inc. will furnish 80 units of Drägersorb 400 Soda Lime, 40 lb Keg, Part Number 6737985.

Dräger identifies Drägersorb 400 as an absorbent intended for use in closed and semi-closed circuit breathing apparatus to absorb acid gases, including carbon dioxide (CO₂). This product supports the breathing-loop function of the applicable Dräger respiratory protection system.

Ortho Med Spa Inc. will provide the exact specified Dräger product and part number in the required quantity.

6.4 BG ProAir Cooling Components

The proposed package includes 32 Dräger BG ProAir Ice Cooler Cartridges, Part Number 3701814, and four BG ProAir Freeze Aid components, Part Number 3723001.

Dräger's BG ProAir platform incorporates a cooling system intended to reduce the temperature of inhaled breathing air during extended operation. Manufacturer documentation describes the BG ProAir cooling system as designed for simplified handling and reuse.

Ortho Med Spa Inc. will provide the exact manufacturer components identified by MSHA without substitution.

6.5 Maintenance, Testing, and Support Components

To support the Government's maintenance and readiness requirements, Ortho Med Spa Inc. will also provide the specified:

- 25 packs of Dräger Filter Mats, P/N 4058167, with 50 filter mats per pack.
- 4 Overhaul Kits, P/N R34825.
- 4 BG ProAir Test Kits, P/N 3722266.
- 1 BG-4 Dryer Stand, P/N SB20013.
- 4 BG ProAir Carbon Bottles, P/N R360395.

These products will be furnished according to the exact descriptions, quantities, and manufacturer part numbers established in the solicitation.



6.6 Product Authenticity and Condition

Because these components support respiratory protection equipment used in mine rescue operations, Ortho Med Spa Inc. recognizes the importance of maintaining strict product authenticity and traceability.

For every line item furnished under this requirement, Ortho Med Spa Inc. will ensure:

- Manufacturer: Dräger / Genuine OEM
- Condition: New and unused
- Part Number: Exact solicitation-specified part number
- Packaging: Original manufacturer packaging
- Quantity: Exact Government-required quantity
- Substitutions: None

Prior to shipment, the products will be verified against the Government's order to confirm the manufacturer part number, description, quantity, condition, and packaging.

6.7 Complete Solution

Through this proposed product package, Ortho Med Spa Inc. will provide MSHA with the complete nine-line-item requirement specified under Notice ID 1605C4-26-Q-00082. Our approach eliminates product substitutions and centers on supplying the exact Dräger/OEM components required to maintain compatibility with MSHA's existing equipment.

All proposed items will be furnished in accordance with the solicitation requirements and coordinated for delivery within 30 calendar days after receipt of order (ARO).

7. Technical Compliance Matrix

Ortho Med Spa Inc. has reviewed the technical specifications and evaluation requirements of Notice ID 1605C4-26-Q-00082 and confirms compliance with the requirements identified below. The proposed products will be supplied using the exact Dräger manufacturer part numbers and quantities specified by the Mine Safety and Health Administration (MSHA). Ortho Med Spa Inc. will furnish only Dräger brand or genuine OEM products manufactured by Dräger. No substitutes or equivalents are proposed.

7.1 Product Compliance Matrix

CLIN	Solicitation Requirement	Required Part No.	Required Qty.	Ortho Med Spa Proposed Solution
0001	Dräger Filter Mats – 50 per pack	4058167	25 Packs	Exact specified Dräger/OEM Filter Mats, P/N 4058167, 50 per pack
0002	Drägersorb 400 Soda Lime – 40 lb Keg	6737985	80 EA	Exact specified Dräger/OEM Drägersorb 400 Soda Lime, 40 lb Keg, P/N 6737985
0003	Overhaul Kits	R34825	4 EA	Exact specified Dräger/OEM Overhaul Kit, P/N R34825
0004	BG ProAir Test Kit	3722266	4 EA	Exact specified Dräger/OEM BG ProAir Test Kit, P/N 3722266



0005	BG ProAir Freeze Aid	3723001	4 EA	Exact specified Dräger/OEM BG ProAir Freeze Aid, P/N 3723001
0006	BG-4 Dryer Stand	SB20013	1 EA	Exact specified Dräger/OEM BG-4 Dryer Stand, P/N SB20013
0007	BG ProAir Carbon Bottle	R360395	4 EA	Exact specified Dräger/OEM BG ProAir Carbon Bottle, P/N R360395
0008	Dräger BG ProAir Ice Cooler Cartridge	3701814	32 EA	Exact specified Dräger/OEM BG ProAir Ice Cooler Cartridge, P/N 3701814
0009	BG ProAir 4-Hour Apparatus	R360532	4 EA	Exact specified Dräger/OEM BG ProAir 4-Hour Apparatus, P/N R360532

7.2 General Technical Compliance

Solicitation Requirement	Ortho Med Spa Compliance Statement
Components and consumables must be compatible with Dräger BG closed-circuit breathing apparatus.	Ortho Med Spa will provide the exact Dräger/OEM products and manufacturer part numbers specified by MSHA for compatibility with the applicable Dräger equipment.
Products must be approved for the required mine rescue application in irrespirable atmospheres.	Ortho Med Spa will furnish the exact Dräger/OEM products specified by MSHA for its existing mine rescue breathing apparatus requirement.
Only Dräger brand parts or genuine OEM parts manufactured by Dräger are acceptable.	All offered products will be Dräger brand/genuine OEM products manufactured by Dräger.
Substitutes or equivalents will not be considered.	No substitute or equivalent products are proposed.
Products must be new.	All products will be supplied new.
Products must be unused.	All products will be supplied unused.
Products must be supplied in original manufacturer packaging.	All products will be furnished in original manufacturer packaging.
Required quantities must be furnished.	Ortho Med Spa will furnish the full quantities specified for CLINs 0001 through 0009.
Required manufacturer part numbers must be furnished.	Each proposed product corresponds to the exact manufacturer part number identified in the solicitation.
Delivery required within 30 days after receipt of order.	Ortho Med Spa will deliver the complete requirement within 30 calendar days ARO.
Delivery to designated MSHA location.	Delivery will be coordinated to the Pittsburgh Safety and Health Technology Center, Mine Emergency Operations, 626 Cochran's Mill Road, Building 151, Pittsburgh, PA 15236.



7.3 BG ProAir Technical Characteristics

For the BG ProAir 4-Hour Apparatus, P/N R360532, the accompanying Dräger manufacturer literature identifies the BG ProAir as a positive-pressure closed-circuit breathing apparatus designed for long-duration deployment.

Manufacturer-Documented Characteristic	Proposed Product
Closed-circuit breathing apparatus	Dräger BG ProAir
Positive-pressure breathing circuit	COMPLY
Designed for long-duration deployment	COMPLY
Nominal duration of use: 240 minutes at a work rate of 30 L/min	COMPLY
CO ₂ absorption incorporated into breathing system	COMPLY
Breathing-air cooling system	COMPLY
High-contrast monitoring display	COMPLY
Integrated low-pressure monitoring	COMPLY
Closed housing protecting the breathing loop	COMPLY
Designed to support operation in demanding environments	COMPLY

Ortho Med Spa Inc. confirms that its quotation is based on supplying the exact products requested by MSHA and does not rely upon any technical exception, deviation, substitution, or equivalent product.

All nine line items will be provided:

- In the exact required quantities;
- Under the specified Dräger manufacturer part numbers;
- As Dräger brand/genuine OEM products;
- New and unused;
- In original manufacturer packaging; and
- With delivery within 30 calendar days after receipt of order (ARO).

Ortho Med Spa Inc. therefore confirms full technical compliance with the product requirements identified in Notice ID 1605C4-26-Q-00082.

8. OEM Product Authenticity & Compliance

Ortho Med Spa Inc. recognizes that product authenticity, compatibility, and condition are critical requirements under Notice ID 1605C4-26-Q-00082, particularly because the components and consumables will support Dräger closed-circuit breathing apparatus used by the Mine Safety and Health Administration (MSHA) for mine rescue operations.

In accordance with the solicitation requirements, Ortho Med Spa Inc. will furnish only the exact Dräger brand or genuine Original Equipment Manufacturer (OEM) products manufactured by Dräger. No substitutions, equivalent products, aftermarket products, refurbished products, remanufactured products, or previously used equipment are proposed under this quotation.

8.1 Genuine Dräger / OEM Commitment

Ortho Med Spa Inc. confirms that each of the nine required line items will be supplied according to the manufacturer part number specified by MSHA.

Our product commitment includes:



- Manufacturer: Dräger / Genuine OEM
- Part Numbers: Exact part numbers specified in the solicitation
- Condition: New and unused
- Packaging: Original manufacturer packaging
- Quantities: Exact quantities required by MSHA
- Substitutions: None
- Equivalent Products: None

This approach ensures that the Government receives the exact products identified in the solicitation rather than commercially available alternatives that may not provide the required compatibility with MSHA's existing Dräger equipment.

8.2 OEM Part Number Verification

Prior to fulfillment and shipment, Ortho Med Spa Inc. will verify each item against the Government's required product schedule.

CLIN	Product	Required OEM Part Number
0001	Dräger Filter Mats – 50 per pack	4058167
0002	Drägersorb 400 Soda Lime – 40 lb Keg	6737985
0003	Overhaul Kits	R34825
0004	BG ProAir Test Kit	3722266
0005	BG ProAir Freeze Aid	3723001
0006	BG-4 Dryer Stand	SB20013
0007	BG ProAir Carbon Bottle	R360395
0008	Dräger BG ProAir Ice Cooler Cartridge	3701814
0009	BG ProAir 4-Hour Apparatus	R360532

Ortho Med Spa Inc. will verify the product description, manufacturer, manufacturer part number, required quantity, product condition, and packaging prior to shipment.

8.3 New and Unused Product Condition

All products delivered under this requirement will be furnished new and unused.

Ortho Med Spa Inc. will not knowingly furnish:

- Refurbished equipment;
- Remanufactured equipment;
- Previously used products;
- Aftermarket replacements;
- Substitute products; or
- Equivalent/non-Dräger products.

Products will remain in their original manufacturer packaging through the fulfillment process, except where handling may be required for shipping or Government-required documentation.

8.4 Product Verification and Traceability

To support accurate fulfillment, Ortho Med Spa Inc. will apply a product-verification process prior to shipment. The verification process will include confirmation of:

- Manufacturer – Confirmation that the product is Dräger/genuine OEM.



- Part Number – Verification against the exact part number required by the solicitation.
- Product Description – Confirmation that the product corresponds to the applicable CLIN.
- Quantity – Verification that the required quantity is prepared for delivery.
- Condition – Confirmation that the product is new and unused.
- Packaging – Confirmation that the product is furnished in original manufacturer packaging.
- Shipping Documentation – Verification that shipment documentation accurately identifies the order and destination.

Any discrepancy identified during verification will be addressed before the affected product is released for shipment.

8.5 Compatibility with Existing Dräger Equipment

Ortho Med Spa Inc. understands that MSHA requires these specific products because they are intended to support its existing inventory of Dräger closed-circuit breathing apparatus.

Rather than proposing alternative equipment or attempting to establish equivalency, Ortho Med Spa Inc. will supply the exact Dräger/OEM products and manufacturer part numbers identified by MSHA. This approach directly addresses the Government's compatibility requirement and eliminates the technical risk associated with unauthorized substitutions.

The accompanying Dräger BG ProAir manufacturer documentation is included with our quotation as supporting technical literature for the Dräger product platform.

8.6 No-Substitution Statement

Ortho Med Spa Inc. expressly confirms that no substitutes or equivalent products are proposed under Notice ID 1605C4-26-Q-00082.

The products furnished will conform to the manufacturer and part-number requirements identified in the solicitation. If any issue arises that could affect availability of an exact specified item, Ortho Med Spa Inc. will coordinate with the Contracting Officer and will not independently substitute or replace a required product with an alternative.

9. Quality Assurance & Product Verification

Ortho Med Spa Inc. understands that the products required under Notice ID 1605C4-26-Q-00082 support Mine Safety and Health Administration (MSHA) closed-circuit breathing apparatus used for mine rescue operations. Given the safety-critical nature of this equipment, product authenticity, correct part identification, condition, quantity, and packaging are essential to successful contract performance.

Ortho Med Spa Inc. will implement a structured Quality Assurance and Product Verification process to ensure that each line item furnished to MSHA conforms to the solicitation requirements prior to shipment.

9.1 Quality Assurance Objectives

Our quality assurance process is designed to:

- Ensure that only the exact specified Dräger/OEM products are furnished.
- Verify manufacturer part numbers against the Government's requirements.
- Prevent unauthorized substitutions or equivalent products.
- Confirm that all products are new and unused.
- Confirm products are supplied in original manufacturer packaging.



- Verify quantities before shipment.
- Identify and resolve discrepancies prior to delivery.
- Support complete and timely fulfillment within the required 30-day ARO delivery period.

9.2 Pre-Shipment Product Verification

Prior to shipment, Ortho Med Spa Inc. will verify the applicable product information against the Government's order and solicitation requirements.

Verification Point	Quality Control Action
Manufacturer	Confirm product is Dräger/genuine OEM
Product Description	Compare product description against the applicable CLIN
Part Number	Verify exact manufacturer part number against the solicitation
Quantity	Confirm required quantity for each CLIN
Product Condition	Confirm product is new and unused
Packaging	Confirm original manufacturer packaging
Substitution Control	Verify that no substitute or equivalent product has been introduced
Shipping Destination	Verify shipment is addressed to the designated MSHA delivery location
Shipping Documentation	Review shipment information for order and delivery accuracy

Any discrepancy identified during the verification process will be addressed before the affected item is released for shipment.

9.3 OEM and Part-Number Control

Ortho Med Spa Inc. will use the solicitation's manufacturer part numbers as the primary control for product verification.

The following part numbers will be verified during fulfillment:

- 4058167 – Dräger Filter Mats
- 6737985 – Drägersorb 400 Soda Lime
- R34825 – Overhaul Kits
- 3722266 – BG ProAir Test Kit
- 3723001 – BG ProAir Freeze Aid
- SB20013 – BG-4 Dryer Stand
- R360395 – BG ProAir Carbon Bottle
- 3701814 – Dräger BG ProAir Ice Cooler Cartridge
- R360532 – BG ProAir 4-Hour Apparatus

No alternate manufacturer part number or substitute product will be furnished without appropriate written Government authorization.

9.4 Receiving and Condition Verification

Where applicable within Ortho Med Spa Inc.'s fulfillment process, products will be reviewed for visible discrepancies prior to final shipment to the Government.

Verification will focus on:

- Correct manufacturer identification;
- Correct product and part number;



- Required quantity;
- New and unused condition;
- Original manufacturer packaging; and
- Visible packaging condition.

Products identified as incorrect, damaged, used, improperly packaged, or otherwise inconsistent with the Government's requirements will not knowingly be released for delivery until the discrepancy has been resolved.

9.5 Quantity and Order Accuracy

Ortho Med Spa Inc. will verify the quantities associated with all nine CLINs against the Government's order before shipment.

Particular attention will be given to packaged items, including CLIN 0001 – Dräger Filter Mats, for which the Government requires 25 packs containing 50 filter mats per pack.

The final shipment documentation will be reviewed against the required CLIN quantities to help prevent shortages, incorrect quantities, or product mismatches.

9.6 Packaging and Shipment Controls

All products will be provided in original manufacturer packaging, as required by the solicitation. Prior to shipment, Ortho Med Spa Inc. will verify that:

1. The products correspond to the required CLINs.
2. Required quantities are accounted for.
3. Original manufacturer packaging is present.
4. Shipping documentation accurately identifies the order.
5. The designated MSHA delivery address is correct.
6. Shipment tracking information is obtained when available.

Shipment progress will be monitored through delivery, and delivery confirmation will be maintained as part of the order record.

9.7 Discrepancy Management

If Ortho Med Spa Inc. identifies a discrepancy involving product identity, part number, quantity, condition, packaging, or availability, the affected item will be reviewed before shipment.

Ortho Med Spa Inc. will not independently replace an unavailable or nonconforming item with an equivalent or substitute product. Any circumstance that could require a deviation from the Government's specified requirement will be communicated to the Contracting Officer for direction before proceeding.

10.Delivery & Fulfillment Plan

Ortho Med Spa Inc. understands that all components and consumables required under Notice ID 1605C4-26-Q-00082 must be delivered within 30 calendar days after receipt of order (ARO). Our fulfillment approach is designed to provide timely, accurate, and controlled delivery of the exact Dräger/OEM products specified by the Mine Safety and Health Administration (MSHA).

Upon receipt of award, Ortho Med Spa Inc. will promptly initiate order processing, verify the required line items and quantities, coordinate product fulfillment, conduct final product verification, and manage shipment through confirmed delivery.



10.1 Delivery Requirement

- ✚ Delivery Timeframe: Within 30 Calendar Days ARO
- ✚ Delivery Location:
 - ✚ David Leverknight
 - ✚ U.S. Department of Labor
 - Mine Safety and Health Administration
 - Pittsburgh Safety and Health Technology Center
 - Mine Emergency Operations
 - ✚ 626 Cochrans Mill Road, Building 151
 - Pittsburgh, PA 15236

Ortho Med Spa Inc. will coordinate the complete fulfillment process to meet this required delivery timeframe.

10.2 Fulfillment Process

Our delivery and fulfillment process will consist of the following phases:

10.2.1 Phase 1 – Award & Order Review

Immediately upon receipt of the Government's order, Ortho Med Spa Inc. will review the award documentation and confirm:

- All nine required CLINs;
- Manufacturer part numbers;
- Required quantities;
- Delivery requirements;
- Government shipping destination; and
- Any applicable order-specific instructions.

This initial review will establish the final fulfillment requirements before order processing begins.

10.2.2 Phase 2 – Product Fulfillment Coordination

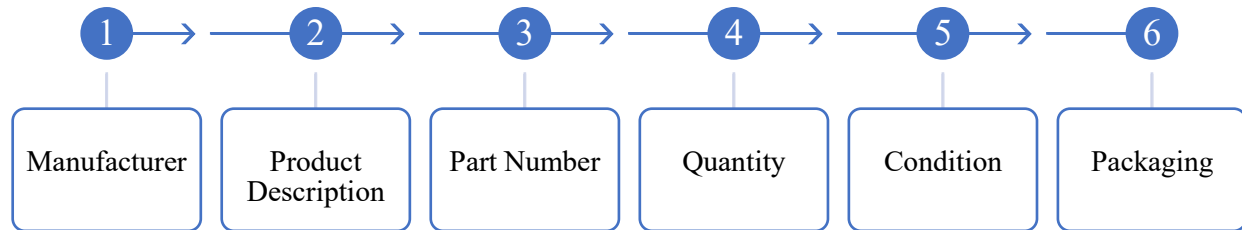
Ortho Med Spa Inc. will coordinate fulfillment of the exact Dräger/OEM products specified in the solicitation.

Product coordination will focus on ensuring that:

- The correct Dräger products are supplied;
- Exact manufacturer part numbers are maintained;
- Required quantities are fulfilled;
- Products are new and unused;
- Products remain in original manufacturer packaging; and
- No substitute or equivalent products are introduced.

10.2.3 Phase 3 – Product Verification

Prior to shipment, the applicable products will be verified against the Government's order. The verification process will include confirmation of:



Any identified discrepancy will be addressed before the affected item is released for shipment.

10.2.4 Phase 4 – Shipment Preparation

Following successful product verification, Ortho Med Spa Inc. will coordinate shipment preparation to the designated MSHA location.

Shipping documentation will be reviewed to confirm:

- Correct Government delivery address;
- Applicable order/contract information;
- Product quantities;
- Shipment information; and
- Delivery destination.

Products will be handled in a manner intended to preserve their original manufacturer packaging and condition through delivery.

10.2.5 Phase 5 – Shipment Tracking & Delivery Confirmation

Once shipped, Ortho Med Spa Inc. will monitor available tracking information through delivery. Our team will maintain oversight of shipment status and, when available, retain delivery confirmation as part of the contract fulfillment record. Should a shipping issue arise that could affect the required delivery timeframe, Ortho Med Spa Inc. will promptly coordinate appropriate corrective action and communicate with the Government as necessary.

10.3 Delivery Schedule

Fulfillment Activity	Planned Timeframe
Award / Receipt of Order	Day 0
Order Review & Product Confirmation	Immediately Following ARO
Product Fulfillment Coordination	Following Order Confirmation
Product & Quantity Verification	Prior to Shipment
Packaging / Shipping Documentation Review	Prior to Shipment
Shipment to MSHA	Within Contract Delivery Period
Final Delivery	No Later Than 30 Calendar Days ARO
Delivery Confirmation	Upon Delivery

The above sequence is structured around the Government's required 30-day ARO delivery deadline.

10.4 Delivery Accuracy

Ortho Med Spa Inc. will coordinate the shipment to ensure the Government receives the complete quantities required for:



- 25 packs – Dräger Filter Mats, P/N 4058167
- 80 EA – Drägersorb 400 Soda Lime, P/N 6737985
- 4 EA – Overhaul Kits, P/N R34825
- 4 EA – BG ProAir Test Kits, P/N 3722266
- 4 EA – BG ProAir Freeze Aid, P/N 3723001
- 1 EA – BG-4 Dryer Stand, P/N SB20013
- 4 EA – BG ProAir Carbon Bottles, P/N R360395
- 32 EA – Dräger BG ProAir Ice Cooler Cartridges, P/N 3701814
- 4 EA – BG ProAir 4-Hour Apparatus, P/N R360532

These quantities will be checked against the Government's order before final shipment.

10.5 Communication & Delivery Coordination

Ortho Med Spa Inc. will maintain responsive communication throughout the fulfillment period. If a matter arises that could affect product availability, shipment, or timely delivery, our team will communicate with the appropriate Government representative and coordinate resolution.

Ortho Med Spa Inc. will not independently substitute an unavailable product with an alternate or equivalent item. Any potential deviation affecting the specified products will be presented to the Contracting Officer for direction before proceeding.

10.6 Delivery Commitment

Ortho Med Spa Inc. is committed to providing a controlled and dependable fulfillment process from receipt of order through final delivery.

Our delivery approach is centered on three objectives:

Exact Products. Accurate Fulfillment. On-Time Delivery.

Through proactive order review, OEM product verification, shipment coordination, and delivery monitoring, Ortho Med Spa Inc. will deliver the required Dräger BG 4 / BG ProAir components and consumables to the designated MSHA facility within 30 calendar days after receipt of order (ARO).

11. Regulatory & Contract Compliance

Ortho Med Spa Inc. understands that performance under Notice ID 1605C4-26-Q-00082 is subject to the terms, conditions, representations, and provisions incorporated into the solicitation. Ortho Med Spa Inc. is committed to performing in accordance with the applicable contractual requirements and maintaining the registrations and representations necessary for federal contract award.

11.1 System for Award Management (SAM)

Ortho Med Spa Inc. maintains registration in the System for Award Management (SAM) and understands that prospective vendors must be registered in SAM to be eligible for award.

Company information and applicable representations and certifications will be maintained accurately and consistently with the information submitted in the quotation.

11.2 Commercial Products Terms and Conditions

Ortho Med Spa Inc. acknowledges the commercial product provisions and clauses incorporated into the solicitation, including applicable requirements under:

- FAR 52.212-1 – Instructions to Offerors—Commercial Products and Commercial Services



- FAR 52.212-3 – Offeror Representations and Certifications—Commercial Products and Commercial Services
- FAR 52.212-4 – Contract Terms and Conditions—Commercial Products and Commercial Services
- FAR 52.212-5 – Contract Terms and Conditions Required to Implement Statutes or Executive Orders—Commercial Products and Commercial Services

Ortho Med Spa Inc. will comply with the applicable terms and conditions incorporated into any resulting award.

11.3 Small Business Compliance

The solicitation is issued as a 100% Small Business Set-Aside under NAICS Code 339113.

Ortho Med Spa Inc. will maintain the applicable small business representations required for eligibility under the procurement and will ensure that its representations are consistent with its current SAM registration and the requirements of the solicitation.

11.4 Brand-Name / OEM Compliance

Ortho Med Spa Inc. acknowledges the Government's brand-name requirement for the specified Dräger products.

Accordingly, Ortho Med Spa Inc. confirms that:

- Only Dräger brand or genuine OEM parts manufactured by Dräger will be furnished.
- The exact manufacturer part numbers specified by MSHA will be supplied.
- No substitute or equivalent products are proposed.
- Products will be new and unused.
- Products will be furnished in original manufacturer packaging.

Ortho Med Spa Inc. will not independently substitute or deviate from the specified products without appropriate written authorization from the Contracting Officer.

11.5 Domestic Preference and Country-of-Origin Requirements

Ortho Med Spa Inc. acknowledges the domestic preference and country-of-origin representations incorporated into the solicitation, including the applicable requirements contained in the solicitation's representations and certifications.

Where required, Ortho Med Spa Inc. will accurately identify the country of origin and applicable status of the offered end products based on manufacturer or supplier documentation.

Ortho Med Spa Inc. will not make an unsupported domestic-product or country-of-origin representation. Any required certification will be completed based on the verified manufacturing origin of the applicable Dräger products and the provisions incorporated into the solicitation.

11.6 Firm-Fixed-Price Commitment

Ortho Med Spa Inc. understands that the Government anticipates awarding a single Firm-Fixed-Price contract resulting from this solicitation.

Our quotation provides a total Firm-Fixed Price of:

\$115,827.00

The proposed pricing covers the required quantities for CLINs 0001 through 0009 as presented in the Pricing Proposal.



11.7 Quote Validity

In accordance with the Instructions to Vendors, Ortho Med Spa Inc. confirms that its quoted prices will remain firm for 90 days from the date specified for receipt of quotations.

The quotation is submitted without conditions that would alter the Government's stated requirements.

11.8 Delivery Compliance

Ortho Med Spa Inc. accepts the solicitation's required delivery period of:

Within 30 Calendar Days After Receipt of Order (ARO)

Delivery will be coordinated to the MSHA Pittsburgh Safety and Health Technology Center, Mine Emergency Operations, at the address specified in the solicitation.

11.9 Electronic Invoicing

Ortho Med Spa Inc. acknowledges the solicitation's Department of Labor electronic invoicing requirements.

Following award and successful delivery, invoices will be submitted in accordance with the applicable contract instructions through the Department of the Treasury's Invoice Processing Platform (IPP), as directed by the Contracting Officer.

Ortho Med Spa Inc. will ensure that invoicing documentation accurately references the resulting contract/order and corresponds to the products accepted by the Government.

11.10 Contracting Officer Authority

Ortho Med Spa Inc. recognizes the authority of the Contracting Officer with respect to administration of the resulting contract. If circumstances arise that could affect the scope, required products, delivery, or other contractual obligations, Ortho Med Spa Inc. will coordinate with the Contracting Officer rather than independently implementing an unauthorized change.

11.11 Overall Compliance Statement

Ortho Med Spa Inc. has reviewed the requirements of Notice ID 1605C4-26-Q-00082 and commits to performing any resulting award in accordance with the solicitation and applicable contract terms.

Our compliance commitment includes:

- Maintaining required federal registration and representations;
- Meeting applicable small business eligibility requirements;
- Providing only the exact specified Dräger/OEM products;
- Providing new and unused products in original manufacturer packaging;
- Furnishing the required quantities without unauthorized substitutions;
- Maintaining accurate country-of-origin representations;
- Holding quoted pricing firm for 90 days;
- Delivering within 30 calendar days ARO;
- Following applicable DOL invoicing procedures; and
- Coordinating any contractual changes or deviations through the authorized Contracting Officer.

Ortho Med Spa Inc. is committed to responsible contract administration, accurate fulfillment, and full compliance with the requirements applicable to this procurement.



12.Pricing Proposal

12.1 Firm-Fixed-Price Schedule

I - Supplies or Services/Prices

CLIN	Description	Quantity	Unit of Measure	Subtotal
0001	Draeger Filter Mats (50 per pack)	25	Packs	\$ 5,250.00
0002	DraegerSorb 400 Soda Lime 40lb Keg	80	Ea	\$22,400.00
0003	Overhaul kits	4	Ea	\$ 6,380.00
0004	BG-ProAir test kit	4	Ea	\$ 7,420.00
0005	BG-ProAir Freeze Aid	4	Ea	\$ 1,324.00
0006	BG-4 Dryer Stand	1	Ea	\$ 2,933.00
0007	BG ProAir carbon bottle	4	Ea	\$ 6,360.00
0008	Dräger BG ProAir Ice Cooler Cartridge	32	Ea	\$ 1,760.00
0009	BG ProAir 4 hr apparatus	4	Ea	\$62,000.00
			Total	\$ 115,827



12.2 Pricing & Delivery Terms

Contract Type: Firm-Fixed-Price (FFP)
Total Proposed Price: \$115,827.00
Quote Validity: 90 days from the date specified for receipt of quotations
Delivery: Within 30 calendar days after receipt of order (ARO)
Product Condition: New and unused
Manufacturer: Dräger / Genuine OEM
Substitutions: None
Packaging: Original manufacturer packaging

Ortho Med Spa Inc. will furnish the specified products in the required quantities and in accordance with the technical, delivery, and contractual requirements of Notice ID 1605C4-26-Q-00082.

13. Conclusion & Commitment

Ortho Med Spa Inc. appreciates the opportunity to submit its quotation to the U.S. Department of Labor (DOL), Mine Safety and Health Administration (MSHA) in response to Notice ID 1605C4-26-Q-00082 for Dräger BG 4 / BG ProAir closed-circuit breathing apparatus components and consumables.

We understand the importance of maintaining MSHA's mine rescue breathing apparatus in an operationally ready condition. The products required under this solicitation support equipment used by Mine Emergency Operations personnel in demanding environments where compatibility, reliability, and product authenticity are critical.

Ortho Med Spa Inc. is prepared to fulfill the complete requirement in accordance with the solicitation and confirms its commitment to:

- Furnish all nine required CLINs in the specified quantities;
- Provide the exact Dräger manufacturer part numbers identified by MSHA;
- Supply only Dräger brand or genuine OEM products manufactured by Dräger;
- Provide no substitutes or equivalent products;
- Furnish all products new and unused;
- Provide products in original manufacturer packaging;
- Perform product and quantity verification prior to shipment;
- Maintain responsive communication throughout contract fulfillment; and
- Complete delivery within 30 calendar days after receipt of order (ARO).

Ortho Med Spa Inc. offers a total Firm-Fixed Price of \$115,827.00 for the complete requirement, with pricing remaining firm for 90 days from the date specified for receipt of quotations.

Our team is committed to providing MSHA with accurate order fulfillment, dependable logistics coordination, and responsible contract administration from receipt of award through final delivery. We will not independently introduce substitutions or deviations from the specified products and will coordinate any matter affecting contractual requirements with the authorized Contracting Officer.

Ortho Med Spa Inc. respectfully submits this quotation for the Government's consideration and looks forward to the opportunity to support the Mine Safety and Health Administration's mission of protecting the safety and readiness of America's mine rescue personnel.

**Ortho Med Spa**

Address: 729 Elmont Rd Elmont NY, 11003

Phone: (917) 615 3322

Email: sa@orthomedspa.comWebsite: <https://orthomedspagov.com>

Ortho Med Spa Inc. is ready to perform upon award and is committed to delivering the exact Dräger/OEM products required by MSHA—accurately, compliantly, and within the required delivery period.

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14. Brochure



Dräger BG ProAir Closed Circuit Breathing Apparatus

Specially designed for longer durations: The Dräger BG ProAir is a positive pressure closed circuit breathing apparatus that combines uncompromising safety with the highest level of breathing and carrying comfort. Easier to carry, easier to breathe—giving you more time to get the job done and return safely.

Dräger

Technology for Life



Dräger BG ProAir

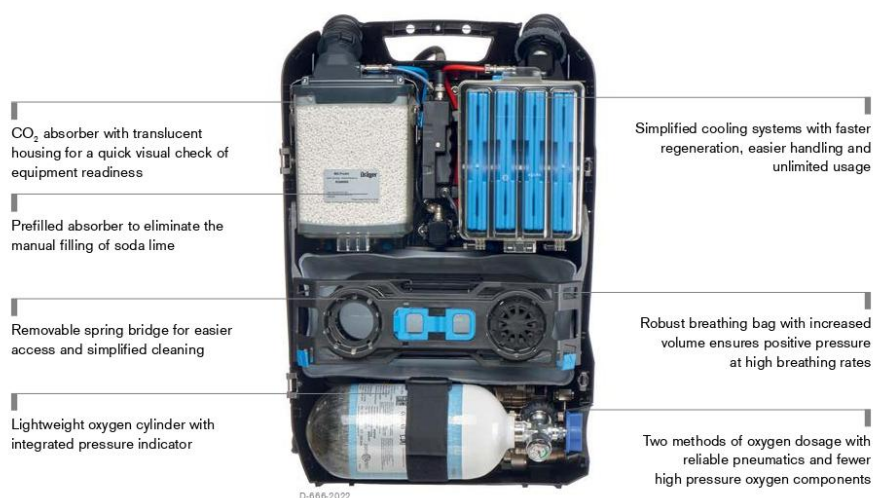


D-609-2022-plmdd

Dräger BG ProAir | 02



Dräger BG ProAir



D-666-2022-gpi-2nd.indd



Benefits

Perfectly made for long-duration deployment

To protect you better, the BG ProAir is designed with a positive pressure breathing circuit which prevents hazardous substances from entering the sealed breathing system. As you exhale, carbon dioxide is removed through a CO₂ absorber, and prior to inhalation, the air is cooled and enriched with oxygen at a constant rate.

Optionally, the oxygen can be dosed according to your work rate thus providing you with an even longer duration at low work rates. Because as you respond to rescue tactics, so should your equipment.

USABILITY

Ergonomically designed with safety and visibility in mind

The BG ProAir's weight is evenly distributed due to its smart carrying system making it easier and more comfortable to wear during longer missions. Additional safety features on the housing include: highly visible reflectors and a buddy light system which helps your team members to see you and know the status of your apparatus.

Easier to breathe and easier to use

The cooling options include a state-of-the-art regeneration material as well as a simplified ice system to reduce the temperature of the inhaled air without the need to either open the breathing loop or remove components while in use. The larger surface area of the cooling elements provides comfortable breathing air for a longer period of time. To further improve the breathing comfort, key components in the breathing loop have been innovatively redesigned to significantly reduce breathing resistance.

Blue color-coded touchpoints throughout the breathing apparatus make the handling more intuitive and therefore reduce your training efforts and equipment downtime. Some of the system components from the well-known PSS BG 4 can be carried over: the FPS 7000 full-face mask, in-mask communication, test equipment, oxygen booster pump, and Drägerisorb.

CONNECTIVITY

Staying connected in the most challenging environments

Reading vital information, such as cylinder pressure, in-use warnings and time to whistle, is now simpler and clearer than before. With its high contrast, full-color display, your data is plainly visible even in the most difficult environments such as darkness, bright sunlight or smoke. The BG ProAir's integrated RFID assists you in absorber status tracking. In addition to time calculations such as time to whistle, we have also integrated recognized features like PASS and temperature readings.

SAFETY +

Getting home healthy

To reliably protect you against toxic ambient gases, the Dräger BG ProAir continually provides you with positive pressure even when your breathing rate increases in the breathing circuit. It is further enhanced by smart onboard electronics, which include a low-pressure sensor. The integrated low pressure sensor warns when there is a lack of oxygen to ensure safe breathing. The sensor also provides a low pressure leak test of the breathing system.



Benefits

Going the extra mile

With its fully closed housing, the BG ProAir has been tested to the EN standards for heat, flame, and chemical resistance providing you with safe breathing air according to international standards.

SERVICEABILITY

Maximizing your equipment's uptime

We understand that your time is of the essence. For this reason, plug'n'play connectors make the BG ProAir easy to assemble and disassemble, while spending less time on training. No tools are required for maintenance and service frequency is conveniently reduced, such as only replacing the reducer every 10 years.

Quick to clean and smart to cool

We have simplified every cleaning aspect of the BG ProAir: It's completely machine washable and you have fewer parts to clean and disassemble. The waterproof harness can be effortlessly disassembled from the housing, making it even easier to clean and quick to dry. We have also re-engineered the cooling logistics making it more straightforward for you to reuse the ice packs and regeneration material. The new ice pack system simplifies the freezing process without the need to handle water; while the regeneration material does not require ice and can be stored in the apparatus at temperatures below 25 °C / 77 °F.

System Components



Dräger FPS 7000 RP

The Dräger FPS 7000 with an RP connection is the perfect complement to the Dräger PSS BG 4 closed circuit breathing apparatus. Because the FPS 7000 RP with hydration provides a source of relief, it is the ideal choice for long-duration missions such as tunnel and subway fires.



System Components



D-20710-2020

Dräger BG ProAir oxygen cylinder

Lightweight design specifically for use in BG ProAir with an integrated indicator.
2L, 200 bar



D-4450-2022

Drägersorb® 400

Drägersorb® 400 is used to absorb acid gases, such as carbon dioxide (CO₂), in closed or semi-closed circuit breathing apparatus.



D-21293-2020

Dräger BG ProAir pre-filled CO₂ scrubber

Canister specifically designed for the BG ProAir incorporating the proven quality of Drägersorb 400 and pre-filled for easier use.



D-20727-2020

Focus FS Emergency Response

With this software, rescue coordinators and team captains remain in constant contact via interactive digital maps, note and photo sharing, real-time reports and alerts. Oxygen levels, hazardous gas detection, and equipment checks are tracked and recorded. The intuitive interface is easy to use, so emergency response personnel can focus on what matters most- ensuring everyone returns safely.



Accessories



Dräger RZ 7000

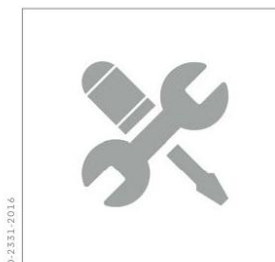
Easy to use: With Dräger RZ 7000 you can carry out the function and leak tests of Dräger CCBA easier and faster than ever before.



Dräger DOB 200 ECO

Discover the Dräger DOB 200 ECO: A highly mobile, efficient filling station for all common oxygen cylinders. Its compact design with rolling wheels makes it easy to transport, while the robust housing protects contents from damage. The simple and automated filling procedure saves both time and effort.

Services

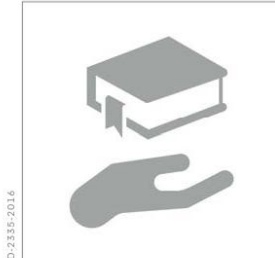


Product Service

Our product service provides support with different service packages– in our workshops or directly on your premises. Care, maintenance and servicing are crucial for safety and reliability– but careful maintenance and care are a must, even when it comes to commercial considerations. Preventive checks, ongoing care and use of original replacement parts improve the longevity of your investment.



Services



Training

The Dräger Academy has imparted well-founded and practical knowledge for over 40 years. With over 110 authorized trainers and more than 600 available topics, we conduct more than 2,400 training sessions per year. We equip your people with the knowledge they need for real-life situations and make sure they will be able to recall and readily apply that knowledge in their everyday work—especially in stressful situations. If you have specific needs, we can develop a customized training program to meet your individual requirements.



Rental Service

From bridging a temporary shortage of equipment to procuring special equipment for applications involving specific requirements: If you only need to cover a temporary higher demand, then Dräger Rental Service with over 65,000 pieces of rental equipment is a economical alternative to purchasing. Fast, straightforward and with a wide range of additional services available upon request.

Related Products



Dräger PSS® 7000

Before you can protect the lives of others, you have to protect yourself. The Dräger PSS® 7000 self-contained breathing apparatus (SCBA) provides unmatched comfort, durability, and safety in the harshest environments. With unparalleled ergonomic performance, the PSS® 7000 combines trusted pneumatics, flexible fit, and cylinder Quick Connection, freeing the firefighter to concentrate on the task at hand.



Technical Data

Duration of use	240 minutes (at a work rate of 30 l/min)
Weight, ready for use (with mask, full oxygen cylinder and CO ₂ absorber)	15.2 kg 33 lbs 8 oz
Size H x W x D	590 x 400 x 175 mm 23.3 x 15.7 x 6.9 inches
Operating temperatures (when stored at room temperature)	-40 °C to +90 °C -40 °F to +194 °F
Oxygen delivery:	
Constant dosage rate	1.5 l/min
Minimum valve rate	> 80 l/min
Bypass valve rate	> 80 l/min
Approvals:	
EN 145	Ex protection according to EN 50020
IEC Ex ITS	Ex ia IIC T4 Ga, Ex ia I Ma (-30 °C < Ta < +50/60 °C / -22 °F < Ta < 122/140 °F)
ATEX	II 1 G Ex ia IIC T4 Ga, I M1 Ex ia I Ma (-30 °C < Ta < +50/60 °C / -22 °F < Ta < 122/140 °F)
NIOSH 42 CFR Part 84	



Ordering Information

Dräger BG ProAir	Components	Order no.
Dräger BG ProAir, CGA-C-ICE-CH	CGA cylinder thread Constant dosage Ice cooling system Comfort harness	R 36 0530
Dräger BG ProAir CGA-C-PCM-CH	CGA cylinder thread Constant dosage Regenerative cooling material Comfort harness	R 36 0531
Dräger BG ProAir CGA-LDV-ICE-CH	CGA cylinder thread Lung demand dosage Ice cooling system Comfort harness	R 36 0532
Dräger BG ProAir CGA-LDV-PCM-CH	CGA cylinder thread Lung demand dosage Regenerative cooling material Comfort harness	R 36 0533
Dräger BG ProAir W21.8-C-ICE-CH-CA	W21.8 cylinder thread Constant dosage Ice cooling system Comfort harness	R 36 0518
Dräger BG ProAir W21.8-C-PCM-CH-CA	W21.8 cylinder thread Constant dosage Regenerative cooling material Comfort harness	R 36 0519
Dräger BG ProAir W21.8-LDV-ICE-CH-CA	W21.8 cylinder thread Lung demand dosage Ice cooling system Comfort harness	R 36 0520
Dräger BG ProAir W21.8-LDV-PCM-CH-CA	W21.8 cylinder thread Lung demand dosage Regenerative cooling material Comfort harness	R 36 0521
System components		
Dräger FPS® 7000 RP-EPDM-M2-PCas-EPDM (required for operation)	Full face mask with central connection for closed circuit breathing apparatus Mask body, inner mask and head harness made of EPDM With anti-scratch coated polycarbonate visor and wiper Optional integrated CamelBak drinking system	R 56 326 (further variants and sizes on request)
Drägersorb 400 - 18 kg	Soda lime used for the adsorption of CO ₂ in closed-circuit breathing systems	67 37 985
BG ProAir pre-filled absorber	Pre-filled canister of soda lime to eliminate the manual filling of soda lime	37 02 050
BG ProAir Cylinder/Valve Assy, CGA 540	Oxygen cylinder for USA	R 36 0395



Ordering Information

BG ProAir Cylinder/Valve Assy, W21.8	Oxygen cylinder for Canada	R 36 0557
Dust Filter	Filter for DraegerSorb 400 to keep dust out of the breathing loop	R 36 0356
BG ProAir Pelican Case	Transport and storage case	37 22 275
CCBA Oxygen Cylinder Case	Transport and storage case for up to 6 BG 4 and ProAir cylinders	37 18 247



15. Buy American Certificate

foreign end products exceed 55 percent domestic content, except for those that are COTS items. If the percentage of the domestic content is unknown, select "no".

(iii) The Offeror shall separately list the line item numbers of domestic end products that contain a critical component (see FAR 25.105).

(iv) The terms "commercially available off-the-shelf (COTS) item," "critical component," "domestic end product," "end product," "foreign end product," and "United States" are defined in the clause of this solicitation entitled "Buy American-Supplies."

(2) Foreign End Products:

Line item No.	Country of origin	Exceeds 55% domestic content (yes/no)
0001	USA	N
0002	USA	N
0003	USA	N

[List as necessary]

(3) Domestic end products containing a critical component:

Line Item No. N/A

[List as necessary]

(4) The Government will evaluate offers in accordance with the policies and procedures of FAR part 25.

(g)(1) *Buy American-Free Trade Agreements-Israeli Trade Act Certificate*. (Applies only if the clause at FAR 52.225-3, Buy American-Free Trade Agreements-Israeli Trade Act, is included in this solicitation.)

(i)(A) The Offeror certifies that each end product, except those listed in paragraph (g)(1)(ii) or (iii) of this provision, is a domestic end product and that each domestic end product listed in paragraph (g)(1)(iv) of this provision contains a critical component.

(B) The terms "Bahraini, Moroccan, Omani, Panamanian, or Peruvian end product," "commercially available off-the-shelf (COTS) item," "critical component," "domestic end product," "end product," "foreign end product," "Free Trade Agreement country," "Free Trade Agreement country end product," "Israeli end product," and "United States" are defined in the clause of this solicitation entitled "Buy American-Free Trade Agreements-Israeli Trade Act."

(ii) The Offeror certifies that the following supplies are Free Trade Agreement country end products (other than Bahraini, Moroccan, Omani, Panamanian, or Peruvian end products) or Israeli end products as defined in the clause of this solicitation entitled "Buy American-Free Trade Agreements-Israeli Trade Act."

Free Trade Agreement Country End Products (Other than Bahraini, Moroccan, Omani, Panamanian, or Peruvian End Products) or Israeli End Products:

Line item No.	Country of origin
_____	_____
_____	_____
_____	_____

[List as necessary]

(iii) The Offeror shall list those supplies that are foreign end products (other than those listed in paragraph (g)(1)(ii) of this provision) as defined in the clause of this solicitation entitled "Buy American-Free Trade



16.Sam Registration

Last updated by sason ficatlov on Oct 29, 2025 at 01:41 PM

ORTHO MED SPA INC



ORTHO MED SPA INC

Unique Entity ID R553PNS7XWH3	CAGE / NCAGE 16JN6	Purpose of Registration All Awards
Registration Status Active Registration	Expiration Date Oct 29, 2026	
Physical Address 729 Elmont RD Elmont, New York 11003 United States	Mailing Address 729 Elmont RD Elmont, New York 11003-4035 United States	

Business Information

Doing Business as (blank)	Division Name (blank)	Division Number (blank)
Congressional District New York 04	State / Country of Incorporation New York / United States	URL (blank)

Registration Dates

Activation Date Nov 5, 2025	Submission Date Oct 29, 2025	Initial Registration Date Oct 29, 2025
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Entity Dates

Entity Start Date Apr 26, 2024	Fiscal Year End Close Date Dec 31
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Immediate Owner

CAGE (blank)	Legal Business Name (blank)
------------------------	---------------------------------------

Highest Level Owner

CAGE (blank)	Legal Business Name (blank)
------------------------	---------------------------------------

Executive Compensation

Registrants in the System for Award Management (SAM) respond to the Executive Compensation questions in accordance with Section 6202 of P.L. 110-252, amending the Federal Funding Accountability and Transparency Act (P.L. 109-282). This information is not displayed in SAM. It is sent to USAspending.gov for display in association with an eligible award. Maintaining an active registration in SAM demonstrates the registrant responded to the questions.

Proceedings Questions

Registrants in the System for Award Management (SAM.gov) respond to proceedings questions in accordance with FAR 52.209-7, FAR 52.209-9, or 2. C.F.R. 200 Appendix XII. Their responses are displayed in the responsibility/qualification section of SAM.gov. Maintaining an active registration in SAM.gov demonstrates the registrant responded to the proceedings questions.

Exclusion Summary

Active Exclusions Records?

N

SAM Search Authorization

I authorize my entity's non-sensitive information to be displayed in SAM public search results:

Yes

Entity Types

Business Types

Entity Structure Corporate Entity (Not Tax Exempt)	Entity Type Business or Organization	Organization Factors Manufacturer of Goods
Profit Structure For Profit Organization		

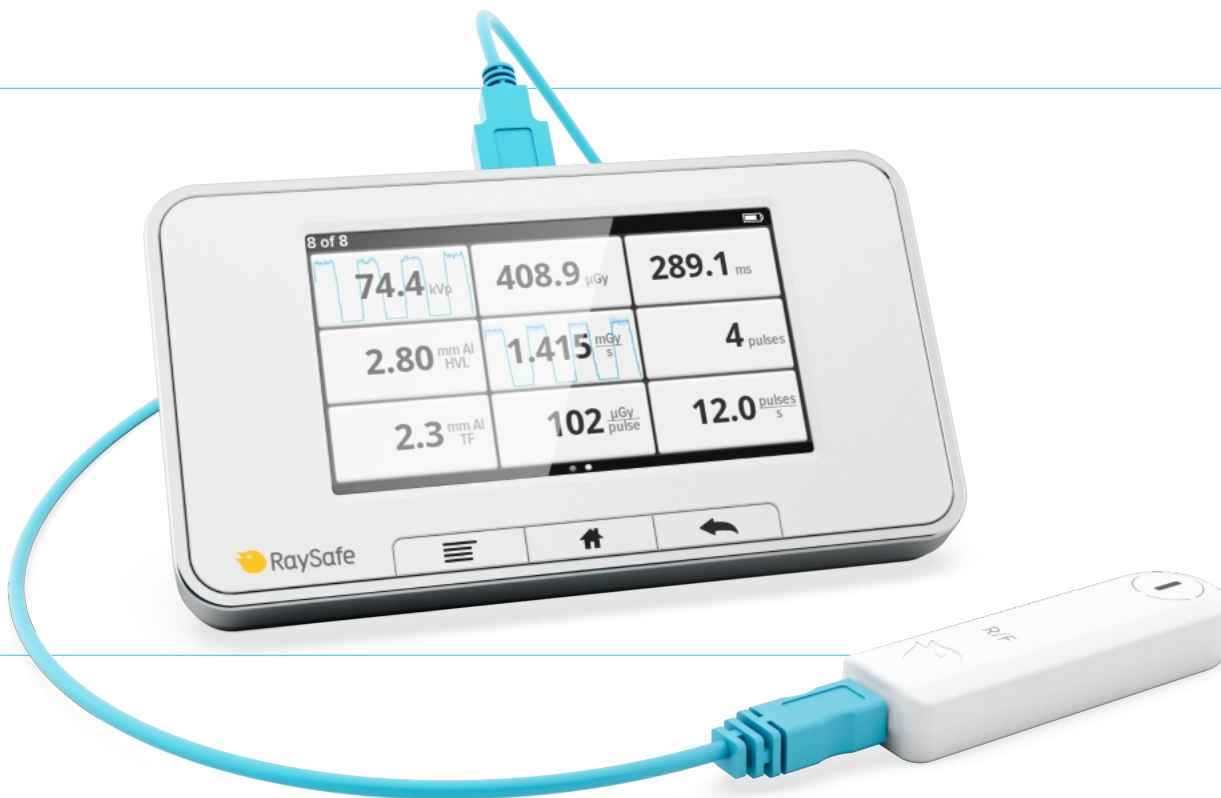
Mar 03, 2026 10:12:10 PM GMT
<https://sam.gov/entity/R553PNS7XWH3/coreData?status=null>

Page 1 of 3

RaySafe X2

Effortless measurements of X-ray





At your fingertips

We've grown accustomed to intuitive interactions with our devices. After all, it's not the device that's most important, but what you can achieve with it that matters. Simplicity has always been a hallmark for RaySafe. But simplicity on the outside requires a lot of work on the inside. Our simplicity comes from a careful balance of advanced sensor technology paired with electronic wizardry and intelligent signal processing. The result – a device that provides accurate measurements with the ultimate in user friendliness. Right at your fingertips.

- Intuitive interface paired with first-class precision
- Full range measurements for R/F, MAM, CT, Survey, Light and mAs applications
- Effortless measurements of X-ray



Less effort. More insight.

Life is busier. There are more demands on your time. So you need to remove the unnecessary steps in taking a measurement. Like positioning the sensor, choosing a setting, or interpreting the results. Fortunately, the X2 R/F sensor is orientation independent so the only thing you need to do is to place it in the X-ray beam and turn on the instrument. The rest is automatic – no menus, no selections.

Full range measurements

Ease-of-use means you get everything you need in one exposure, with one sensor – automatically. The RaySafe X2 offers sensors for R/F, MAM, CT, Survey and even light applications. Choose the sensors you need and add the ones you will need at a later stage. The X2 sensors are made without the need to select ranges or special modes. Most sensors also measure waveforms that can be analyzed directly on the base unit.



WORKING WITH A PC

When working with the RaySafe X2 you may use the PC software as an extended display of the base unit or as a tool for further data analysis. The RaySafe View software connects to Microsoft Excel, and it can be used for reporting purposes.

Intuitive interface and first-class precision

The RaySafe X2 sensors and electronics are specifically designed to minimize the need for user interaction. A groundbreaking concept in sensor design and circuitry provides unsurpassed accuracy, reproducibility and sensitivity. Intelligent algorithms clearly indicate when a parameter is outside its specified range.

Finally, a built-in, self-test system ensures your system is in complete working order. This provides added peace of mind and further assures accurate measurements the first time and every time.

Finding your way

The RaySafe X2 touch screen interface allows the user to view data in a comprehensive yet flexible way. The home screen displays every available parameter from the attached sensor. To zoom in on any parameter, just tap it for a larger view. Use a quick swipe to display waveforms and pinch to zoom into details. Navigation is made simple by using common Menu, Home and Back keys.

All exposures are saved in the base unit. In each session, you can swipe to quickly go back to previous exposures for reference or comparisons. A full session of measurements can be uploaded to the RaySafe View software at a later stage for more manipulation.



HOME SCREEN

Measurement of 1 – 12 parameters simultaneously with waveform overlay.



SINGLE VIEW

Large view of selected parameter.



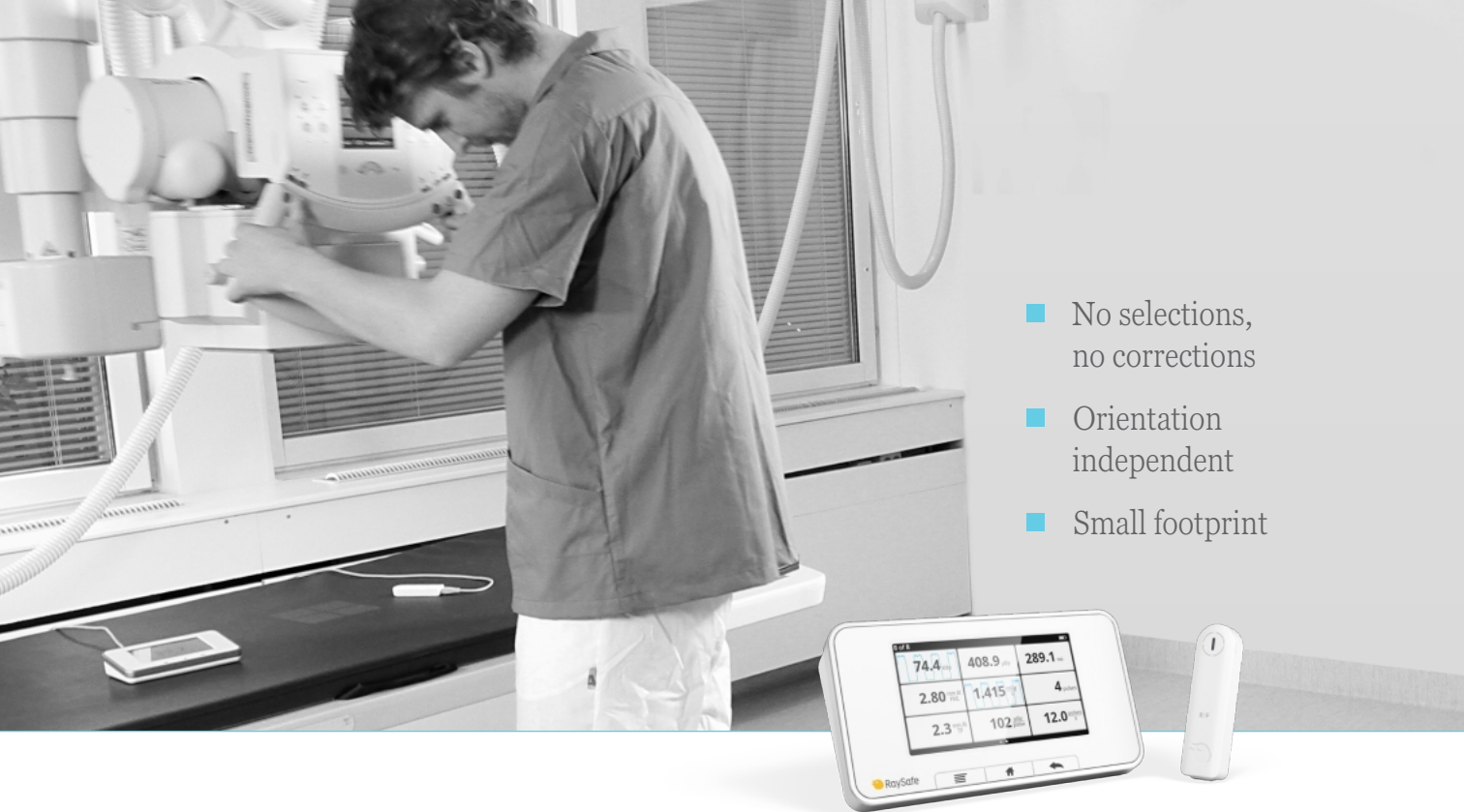
WAVEFORM

Overview and simple analysis of kVp, dose rate or mA.



ANALYZE MODE

Zoom-in on waveforms to determine, for example, peak dose rate of a pulse.



- No selections, no corrections
- Orientation independent
- Small footprint

R/F sensor & mAs

The X2 R/F sensor, with its advanced stacked sensor technology, prevents the influences of heel effects on the measurements. And its small radiological footprint minimizes the influence on the automatic exposure control of the X-ray machine. Both make it easier to position the sensor and obtain the most accurate reading.

The X2 R/F sensor can be used on all R/F applications without the need to select ranges or modes. It is capable of measuring all radiological parameters such as dose, dose rate, kVp, HVL, total filtration, exposure time, pulses, pulse rate and dose/pulse – in one exposure. Waveforms of kV and dose rate can be analyzed directly on the base unit. The X2 R/F sensor can be used on radiographic and fluoroscopic machines as well as dental machines and measures kVp and HVL on CT machines.

The base unit has an optional built-in sensor for measurements of mA, mAs, exposure time, pulses, pulse rate and mA waveform. When using both the R/F and mA sensors the RaySafe X2 will display 12 parameters simultaneously including corresponding waveforms. Everything you need in one simple step.

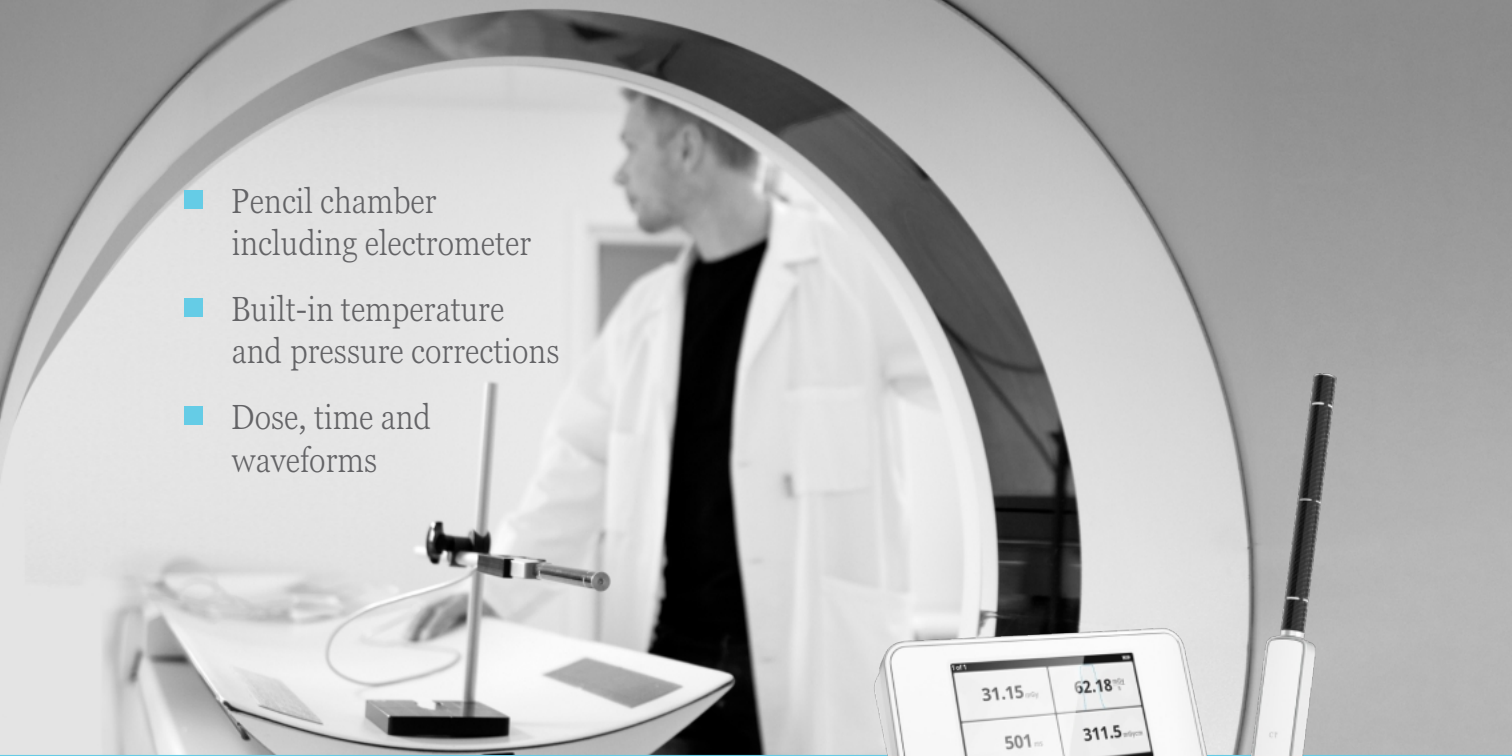
- Dose and HVL for all beam qualities – without selections
- Orientation independent
- Stacked sensor technology prevents the influence of heel effect



MAM sensor

The X2 MAM sensor possesses state-of-the-art precision in dose and HVL that enables the user to obtain important readings without any pre-knowledge of the mammography machine. Just connect the sensor and immediately measure without any selection of beam quality. If kVp readings are required, a Quick Setting menu with beam qualities is available, just one swipe away. Thanks to its Active Compensation technology the X2 MAM sensor is insensitive to variations in filter thicknesses and tube aging effects.

The X2 MAM sensor, with its unique stacked sensor technology, prevents the influences of heel effects on the measurements. What's more, it can be used on all mammographic applications including scanning tomosynthesis. The X2 MAM sensor is capable of measuring all radiological parameters such as dose, dose rate, kVp, HVL, exposure time, pulses, pulse rate and dose/pulse – in one exposure. For added ease of use, waveforms of kV and dose rate can be analyzed directly on the base unit.

- 
- Pencil chamber including electrometer
 - Built-in temperature and pressure corrections
 - Dose, time and waveforms



CT sensor

Dose measurements used to calculate CTDI and other related quantities within Computed Tomography are becoming more common for both physicists and engineers. The X2 CT sensor is a very durable solution made for field use. It fits directly into a head and body phantom or can easily be positioned free-in-air in the gantry with the X2 Flexi stand. Since the sensor has a built-in bias supply and electrometer there is no need for the fragile and noisy analog cables traditionally associated with ion-chambers. There is also no need for manual temperature or pressure corrections because the CT sensor has built-in technology to manage both with complete precision.

A unique feature of the X2 CT sensor is the ability to measure exposure time and dose rate waveforms. These features come in handy when special attention is needed on the CT machine's output.

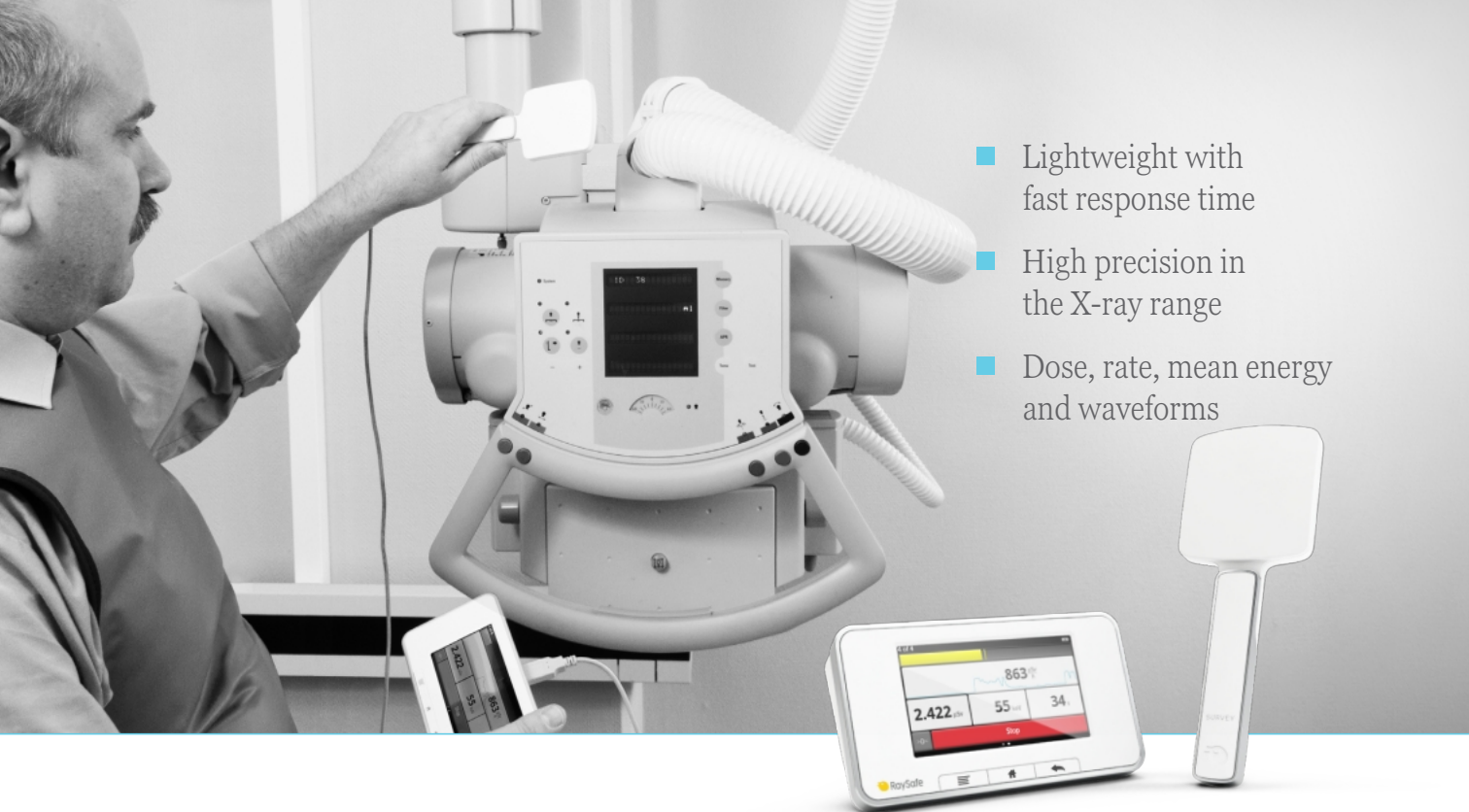
- Luminance and illuminance
Class B sensor
- Durable housing
- Dual acquisition keys



Light sensor

The RaySafe X2 brings a brand new design to our widely used RaySafe Xi light detector while maintaining the excellent photopic response our customers have come to appreciate. The X2 light sensor has an ergonomic design in durable aluminum, which allows for both manual measurements as well as easy mounting for automatic measurements. A small aperture angle ensures compliance with international regulations. For added ease-of-use, an acquisition key is available on both the sensor and in the base unit interface.

By turning the aperture wheel on the X2 light sensor it can be used for both luminance and illuminance measurements. There's even a third mode where the sensor automatically makes a zero adjust. This is recommended when performing very low luminance measurements.



- Lightweight with fast response time
- High precision in the X-ray range
- Dose, rate, mean energy and waveforms

Survey sensor

The versatile X2 Survey sensor is primarily used to perform leakage and scatter measurements in diagnostic X-ray applications. It is based on an energy compensated silicon diode array. Unlike a pressurized ion-chamber, a silicon based sensor can be shipped via air or ground without any special considerations or arrangements.

The intuitive user interface displays dose, dose rate, mean energy and time, as well as the dose rate waveform. To further simplify the operation, a real-time dose rate bar is visible in the display and a ticker provides the typical “survey” sound directly proportional to the dose rate. With its two different trigger modes, manual and automatic, the sensor is also an excellent tool for low dose rate measurements in the primary beam of the X-ray machine. A unique, and very usable feature is the ability to switch energy response between Air Kerma (Gy or R) and Ambient Dose Equivalent (Sv). It's like having several instruments in one! While the energy dependence for ambient dose is virtually flat in the X-ray range, the overall response for medical applications is state-of-the-art. This makes it a useful tool for many other applications.

Simply put, the X2 Survey sensor may be the easiest and fastest solution for precise survey measurements in the X-ray energy range.

- mA/mAs or kV from output voltage test points
- Save waveforms and data
- BNC connector for easy connectivity



Volt sensor

The X2 Volt sensor is used for measuring voltage from the output voltage test points on X-ray machines. The voltage corresponds to a kV or mA/mAs. With its intuitive interface and automatic capture of waveforms, it becomes easier than ever to perform these measurements using the X2 Volt sensor compared to an oscilloscope that requires many settings and manual adjustments. For faster data analysis, built in conversion factors can be selected in the base unit to calculate and display the corresponding kV or mA/mAs.

The X2 Volt sensor can also be used for connecting other measurement devices providing a voltage signal between ± 16 V, such as a mAs clamp for non-invasive mAs measurements.

RaySafe offers a variety of comprehensive solutions for radiographic imaging rooms. Our devices add value through the collection of radiation information and the ability to easily share results with relevant stakeholders.

User-friendly state of the art technology and maximum accuracy form the backbone of the RaySafe product range. All solutions meet the company's mission to reduce unnecessary radiation exposure and to establish a greater safety culture.

www.raysafe.com





LEICA BLK2GO

REALITY CAPTURE. HANDHELD.



LEICA BLK2GO

HANDHELD IMAGING LASER SCANNER

DESIGN & PHYSICAL

Housing	Black anodized aluminium
Dimensions	Height: 279 mm / Diameter: 80 mm
Weight	650 g (775 g including battery)
Transport cover	BLK2GO transportation case

OPERATION

Stand-alone operation	One-button operation
Mobile device	BLK2GO Live app for iOS and Android including: live 2D and 3D while scanning, device status and data management. iOS 12.1 or higher recommended devices: iPhone series 8, X, 11, 12 Android 9 or higher. Recommended devices: Samsung Galaxy series S10, S20, S21
Communication	Wireless (app connection)
Internal memory	24 hours of scanning (compressed data) / 6 hours (uncompressed data)
Battery	Exchangeable, rechargeable Li-Ion battery (Leica GEB821) 45-50 minutes

LiDAR & IMAGING

Laser class	1 (in accordance with IEC 60825-1)
Wavelength	830 nm
Field of view	360° (horizontal) / 270° (vertical)
Range	Min. 0.5 - up to 25 m
Point measurement rate	420,000 pts/sec
High resolution camera	12 Mpixel, 90° x 120°, rolling shutter
Panoramic vision system	3-camera system, 4.8 Mpixel 300° x 135°, global shutter

SYSTEM PERFORMANCE (GRANDSLAM BASED)

Range noise * **	+/- 3 mm
Accuracy indoor ***	+/- 10 mm

ENVIRONMENTAL

Robustness	Designed for indoor and outdoor use
Operating temperature	0 to +40 °C
Dust & humidity protection	IP54 (IEC 60529)

DATA PROCESSING

Data transfer	Wireless and USB 3.0
Desktop software	Leica Cyclone REGISTER 360 and Cyclone REGISTER 360 (BLK Edition)

All specifications are subject to change without notice.

All accuracy specifications are one sigma unless otherwise noted.

*at 78% albedo

**environment dependent

***controlled environment (scan duration 2 minutes)

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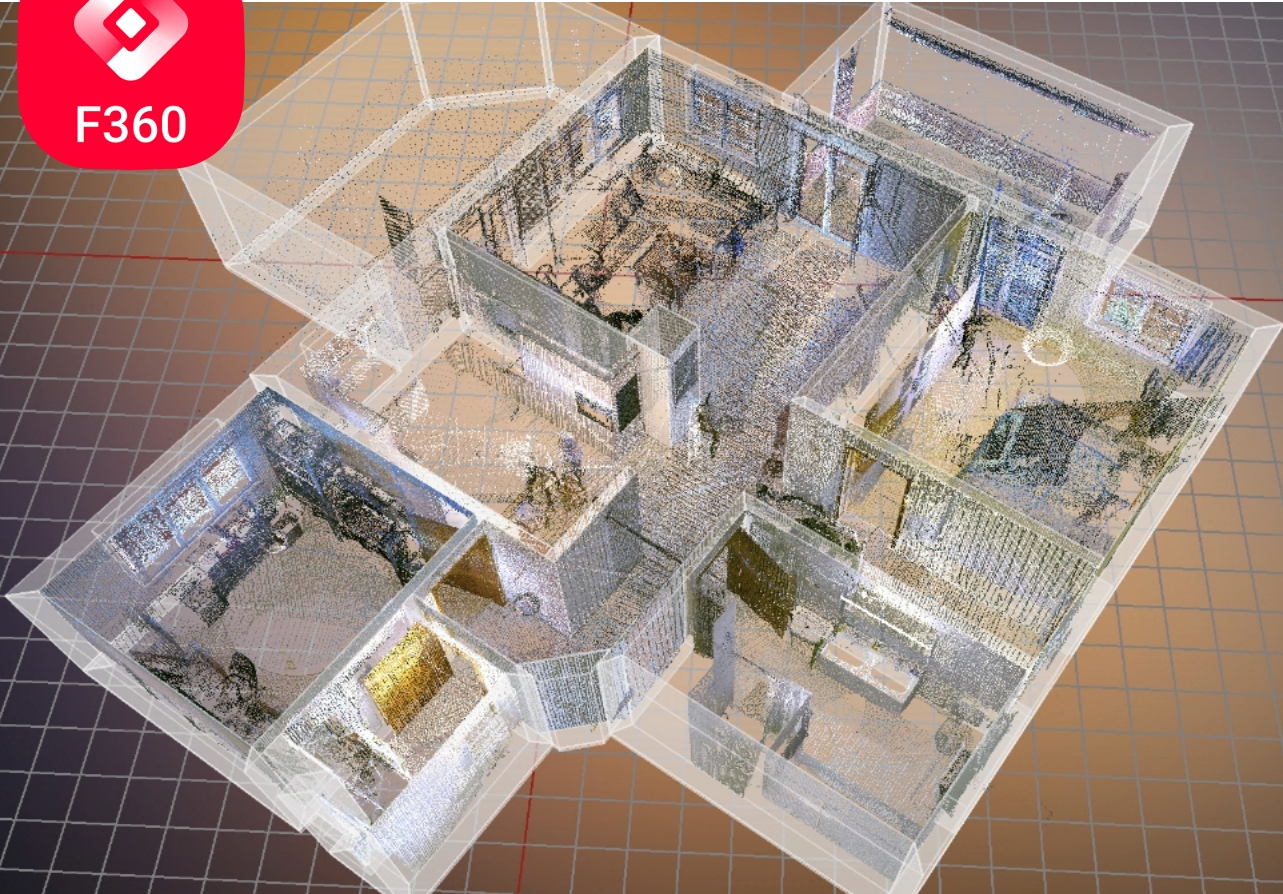
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iOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.

Leica
Geosystems

Leica Cyclone FIELD 360

View. Check. Add.



View

As part of Leica Geosystems' 3D reality capture solutions, the high-performance Leica Cyclone FIELD 360 mobile-device app is the perfect field companion for the BLK360, BLK2GO, BLK2GO PULSE, BLK ARC, RTC360 and ScanStation P-Series laser scanners. With its intuitive user interface, remote scanner control and on-site point cloud display, navigation is a breeze - even for novice users - with full imagery and point cloud data delivered directly to your tablet or smartphone using edge computing technology.



Check

Direct data access and visualisation are the foundation for quality control in the field; with Cyclone FIELD 360, pre-aligned point cloud data enables users to quickly conduct on-site quality control checks, improves productivity, and makes for better-informed decisions in the field. Directly publish your captured data from Cyclone FIELD 360 to TruView Cloud or Reality Cloud Studio, powered by HxDR to quickly exchange project information between the office and the field prior to import and registration.



Add

For improved registration in Leica Cyclone REGISTER 360 PLUS post-processing, and to add extra value and information to 3D data, Cyclone FIELD 360 enables on-site tagging of measurements, videos, images, text or voice files to the point cloud geometry simply by using your tablet or smartphone. Using the Quick Plan add-on, extract walls to build rooms, define windows and doors and create a floor plan model shared directly in the field or consumed by Cyclone office software.

leica-geosystems.com



- when it has to be **right**

Leica
Geosystems

Leica Cyclone FIELD 360 Product Specifications

GENERAL

iOS or Android app	In-the-field app for remote scanner control, data management, quality control, data tagging and automatic pre-registration on-site
--------------------	--

SCANNER CONTROL

Remote scanner control with access to all control features
--

DATA MANAGEMENT

Create, edit and delete scan jobs

DATA COMMUNICATION & TRANSFER

Communication	Bi-directional wireless communication between scanner and tablet
Transfer	Automatic transfer of scan data from scanner to tablet; automatic synchronisation of all app created data from tablet to the scanner
Publishing to Reality Cloud Studio and TruView Cloud	Direct publishing for communication between in-field team members and office team members to quickly exchange project information prior to import and registration

QUALITY CONTROL

Point cloud navigation	Navigate single and registered point clouds in 2D map view, 360° panoramic view or in full 3D view. See Live Scanner Position (for VIS enabled scanners)
Point cloud display	Display point clouds in full HDR colour (RTC360 and BLK360), rainbow intensity or grey-scale mapping
Measurement	Take and tag measurements within the point cloud

DATA TAGGING

Add image, video, voice, text or any other file-based tags to point cloud and add 3D tags using the LiDAR sensor in compatible Apple devices.

PRE-REGISTRATION

Auto alignment	Visual Inertial System (VIS) technology based automated alignment for targetless cloud-to-cloud registration
Visual alignment	Move, rotate, or pre-align scan setups to assist cloud-to-cloud registration
Optimise bundles	Create redundant links and close loops.

ADD-ONS

Quick Plan	Extract walls and define doors and windows to create floor plan models in IFC or DXF format
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INTEROPERABILITY

Sensor hardware	Leica ScanStation P-Series, RTC360, BLK360, BLK ARC, BLK2GO, & BLK2GO PULSE
Built-in LiDAR sensor	Collect LiDAR data with compatible Apple devices.
Cyclone software	Leica Cyclone REGISTER 360 PLUS 2024.0.1 (or higher) or Leica Cyclone version 2023.1.0 (or higher) to support data import. Requires active Cyclone REGISTER 360 PLUS family or Cyclone FIELD 360 licence for activation.
TruView Cloud publish	Requires active TruView Cloud subscription
RCS publish	Requires active Reality Cloud Studio account.

SYSTEM REQUIREMENTS

Platform	Android tablet or phone running on Android 10.0 or higher on 64-bit ARM architecture with 64-bit operating system and at least 4GB of RAM. Recommended devices: Samsung Galaxy Tab S8, Tab S9, Samsung Galaxy S22, S23 series. Apple iPad or Apple iPhone running on iOS16 or higher with 64-bit operating system and at least 4GB of RAM. Recommended devices: iPad Pro 11 (2021, 2022) and iPhone 13, 14, 15 series. For first generation BLK360 scanners, iOS devices are recommended.
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Leica Geosystems AG

Heinrich-Wild-Strasse
9435 Heerbrugg, Switzerland
+41 71 727 31 31



Leica ScanStation survey-grade, 3D laser scanner and Leica Cyclone FIELD 360 mobile-device app.



Leica RTC360 3D laser scanner with the Leica BLK360 imaging laser scanner and Leica Cyclone FIELD 360 mobile-device app.



Leica BLK2GO handheld imaging laser scanner and Leica Cyclone FIELD 360 mobile-device app.

Download from Google Play Store and Apple App Store.

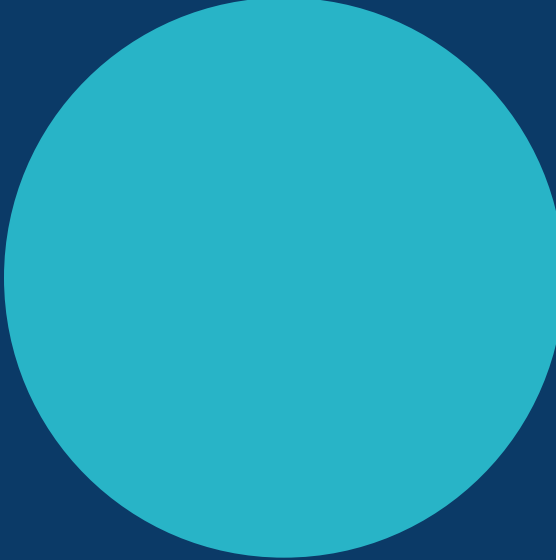


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- when it has to be **right**

Leica
Geosystems



ADDITIONAL MANUFACTURER LITERATURE

Manufacturer brochures, specifications, and product literature curated for VA, hospital, clinic, laboratory, and healthcare facility requirements.



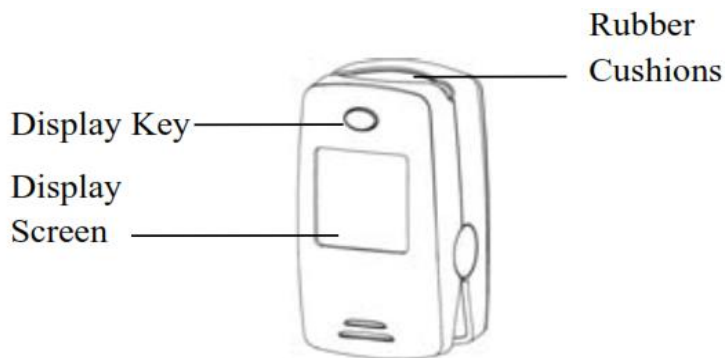
F7C-2-3 Hardware drawings and specifications

Author
Albert MAAREK

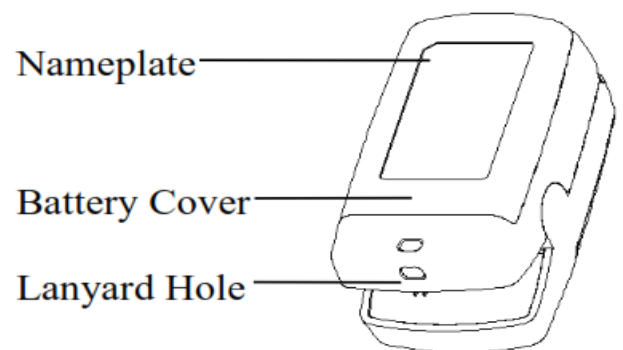
Reviewer and approval
Jorge Amieba

Date: 2/1/2026 Version 2

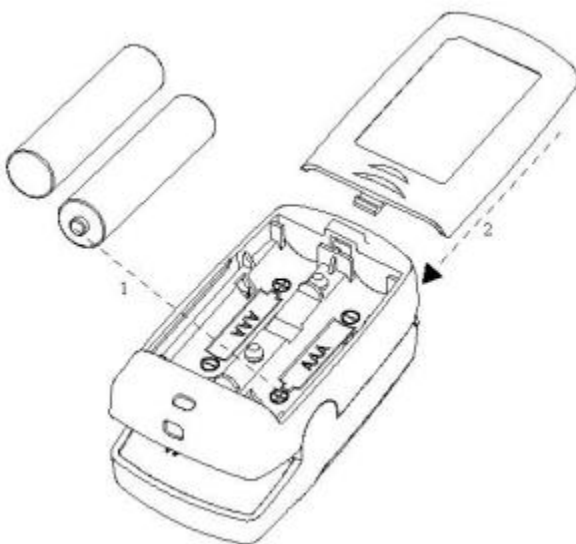
OXI_W HARDWARE DRAWINGS



Front View



Rear View



Battery installation



Dimension: USB extension 20cm
Wrap length 10 cm



Dimension:
Tube extension: 100 cm
Month pieces:
diameter 1 cm length 2 cm

F7C-2-3 Hardware drawings and specifications

OXI_W HARDWARE TECHNICAL SPECIFICATIONS

Information	Display Mode
The Pulse Oxygen Saturation (%SpO ₂)	2-digit digital PC screen display
Pulse Rate (bpm)	3-digit digital PC screen display
Pulse Intensity (bar-graph)	bar-graph PC screen display
SpO2 Parameter Specification	
Measuring range	0%~100%, (the resolution is 1%).
Accuracy	70%~100%: ±2%, Below 70% unspecified.
Average value	Calculate the Average value in every 4 measure values. The deviation between average value and true value does not exceed 1%.
Pulse Parameter Specification	
Measuring range	30bpm~240bpm (the resolution is 1bpm)
Accuracy	± 2 bpm during the pulse rate range of 30~99 bpm and 2% during the pulse rate range of 100~240 bpm
Average pulse rate	Moving calculate the Average pulse rate every 4 Cardio-beat cycle. The deviation between average value and true value does not exceed 1%
Safety Type	BF Type
Measuring mode	
Start and stop	Start: Controlled from the PC Measuring time: Controlled by the software Real time recordings on the software
Power supply	
2 x LR03 (AAA) alkaline batteries 3V DC	
Output	
Output current	≤ 40mA
Oximeter Probe	
LEDS:	Wavelength Red : 663 nm Wavelength IR : 890 nm
Dimensions and Weight	
Dimensions	66 mm (L) × 36 mm (W) × 33 mm (H)
Weight	60g (including batteries)

Operating Environment

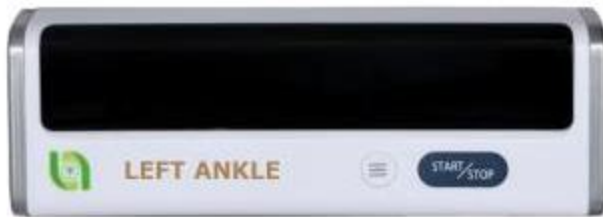
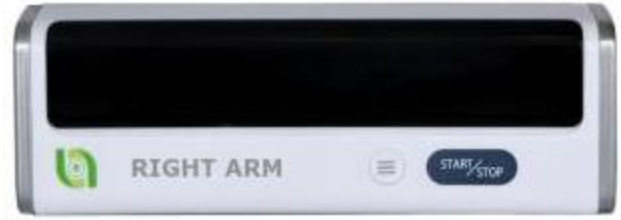
- a) Temperature: 20°C ~25°C
- b) Humidity: 30~95%
- c) Atmospheric pressure: 700 hPa~1060 hPa

Storage Environment

- a) Temperature: -10°C ~40°C
- b) Humidity: 5%~95 % non-condensing
- c) Atmospheric pressure: 700 hPa~1060 hPa

TBL-ABI HARDWARE DRAWINGS

Blood pressure devices



USB Charger



Dimension of the charger:
L10 X W 5 X D 4 cm
Power cord length: 1.5 mt

Charger cables



Dimension of the cable to
charge the devices:
length: 0.5 mt

F7C-2-3 Hardware drawings and specifications

TBL-ABI HARDWARE TECHNICAL SPECIFICATIONS

Measurement Range:

Pressure:	0-270 (mmHg) (0-36[kPa].
Pulse Rate:	40/min-180/min.

Accuracy:

Pressure:	± 4 mmHg (±0.4kPa).
Pulse Rate:	±5%

Operating environment:

Temperature:	20°C- 25°C
Relative Humidity:	30 to 75%
Air Pressure:	700 hPa - 1060 hPa

Storage and Transportation environment:

Temperature:	-25°C - +70°C
Relative Humidity:	10 to 95%, non condensing.
Air Pressure:	700 hPa - 1060hPa

Power Supply : DC 3.7v (Li batterie).

Unit Dimension (not including the cuff): 132mm(L) x 60mm(W) x 30mm(H).

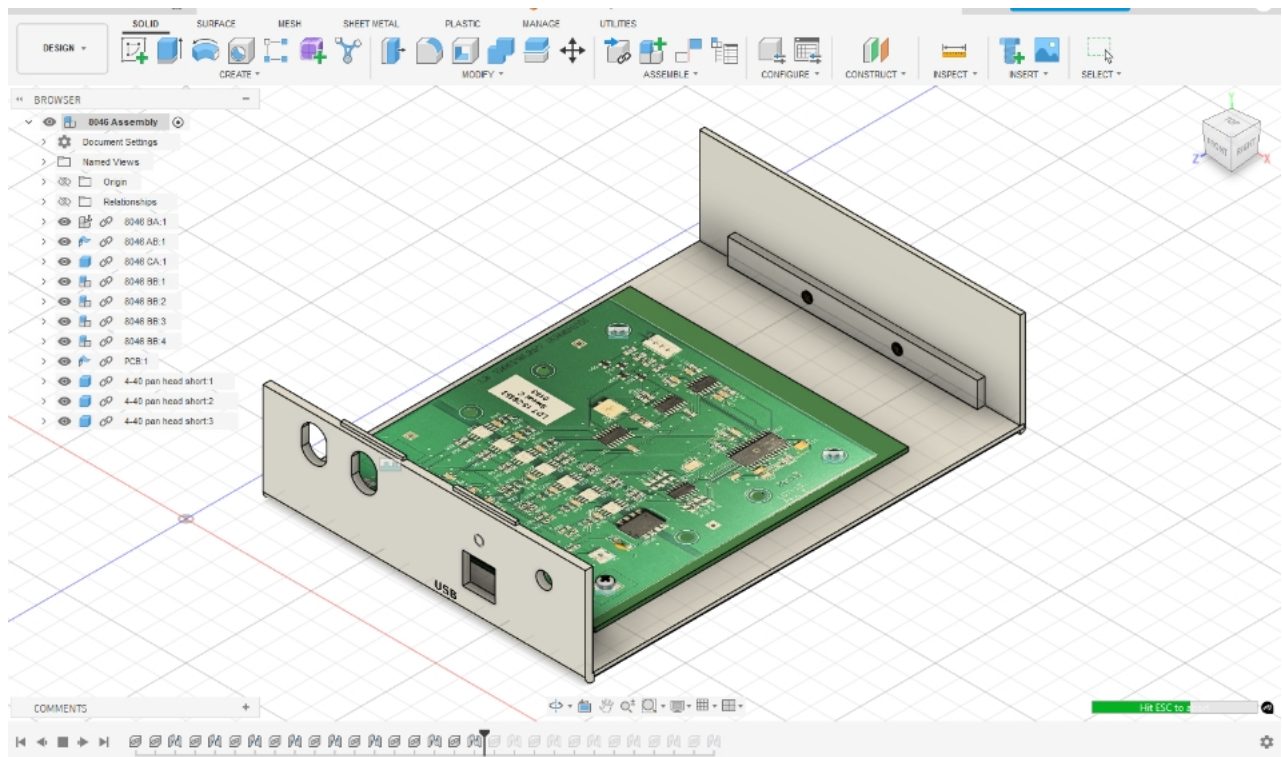
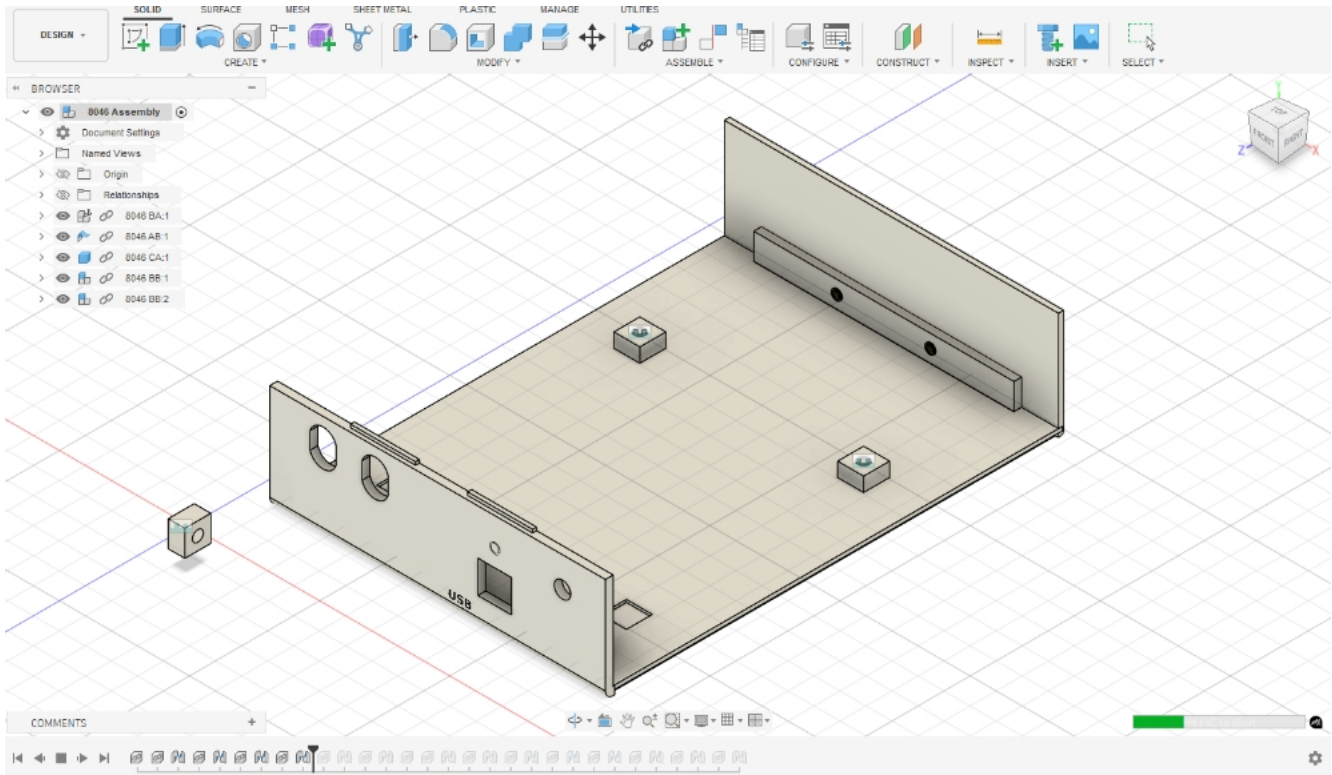
Shock Protection: Internal power source; BF TYPE.

Unit Weight (including the cuff): Approximately 260g Applicable.

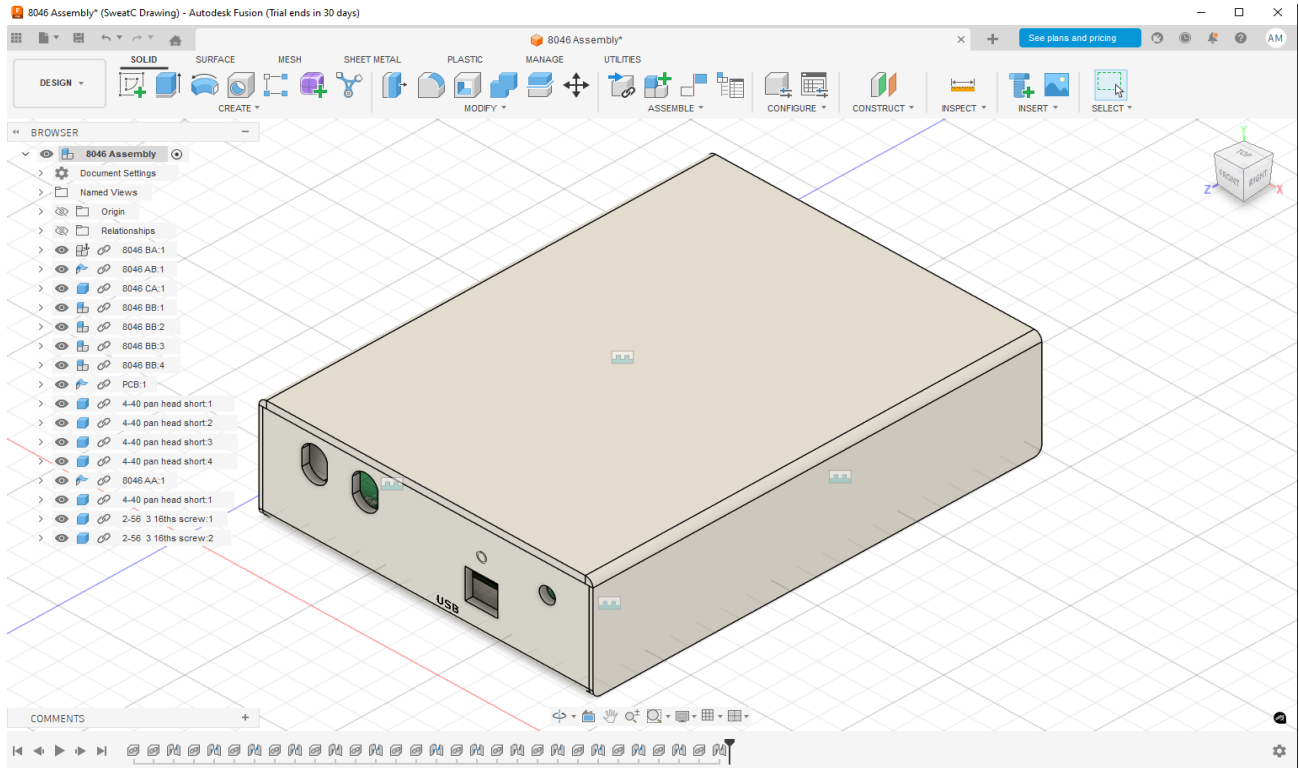
Arm Circumference: 22 cm to 42 cm).

F7C-2-3 Hardware drawings and specifications

SWEATC HARDWARE TECHNICAL SPECIFICATIONS

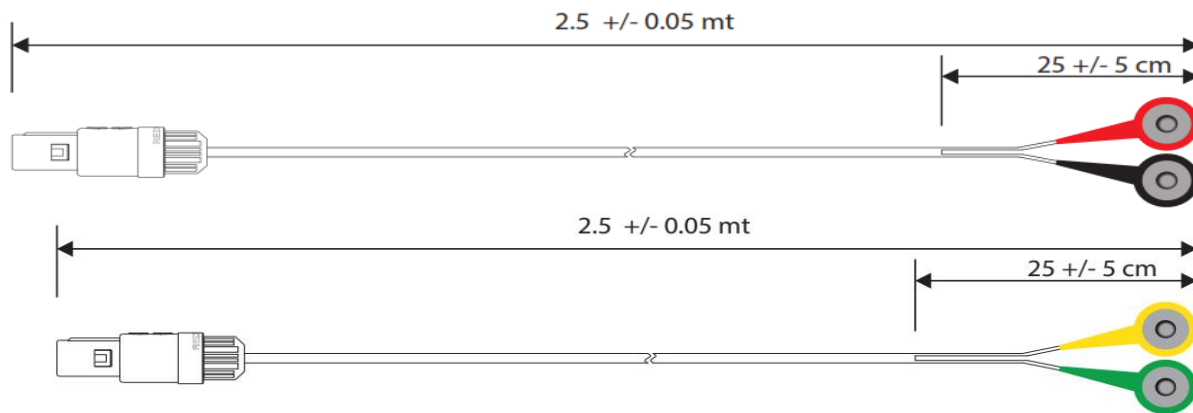


F7C-2-3 Hardware drawings and specifications



Accessories

Cable drawing

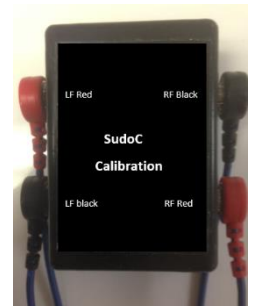


USB Box/PC
1.5 mt

Foot disposable
electrodes
L 8 X W 4 cm



Calibration Box
L 10 X W 4 X D 2 cm



SWEATC HARDWARE TECHNICAL SPECIFICATIONS

Power supply	USB interface (5V)
Current in operating mode	DC current 1.28 V, 12 μ A
Current consumption	200mA
Classification	Class II
Degree of protection against electric shocks	BF
Operating mode	Continuous use
Galvanic decoupling of the analogical part	Optocouplers / TRACO DC/DC 4 KV
Dimensions in mm	128 X 143 X 33
Weight kg	1,2 kg

Accessories

Component	Technical specifications
Disposable electrodes Ref. P470/W	Cloth electrodes Full gelled 2 snaps
Audio-type cables to connect electrodes/ plates to the box Ref. LDT-19	2.5m long armored insulated cables. Snaps Color-coded Red and green snaps connect to the left electrode. Black and yellow snap connect the right electrode
Calibration box Ref. CPA 5509	Box including different resistors (80 and 100 KOhms)
USB cable. Ref. USB cable	2m long USB 2.0
Measured parameters	Display mode
Measuring range of Voltage	From 0 to 1280 milliVolts
Accuracy	From 0 to 1000 milliVolts $\pm$ 2 mV From 1000 to 1200 milliVolts $\pm$ 4 mV
Measured conductance for anode and cathode measurement	Peak of conductance at the cathode and anode

Environmental conditions

Storage Environment

- a) Temperature: -10°C ~40°C
- b) Humidity: 5%~95 % non-condensing
- c) Atmospheric pressure: 700 hPa~1060 hPa

Operating Environment

- a) Temperature: 20°C ~25°C
- b) Humidity: 30~95%
- c) Atmospheric pressure: 700 hPa~1060 hPa

REV	LEVEL	CHANGE	BY	ECR#	DATE
A		IR	XXX	ECR#	00/00/15

GRID PLATES 1/2" HOLES ON 2" CENTERS
(4 EACH)
FABRICATED OF 11 GA.
TYPE 304STAINLESS STEEL
#4 FINISH

HYDRO ASPIRATOR
WITH REVSE FLOW
COLD WATER ONLY

SWING SPOUT WITH
VACUUM BREAKER

SINK WELL
12 X 20 X 8 DEEP
WITH 1 H.P. DISPOSAL
ON DRAIN

TOP AND TUB FABRICATED
OF 14 GA. TYPE 304 STAINLESS
STEEL WITH #4 FINSH

SKIRTING AND ACCESS PANELS
ALL FABRICATED OF 18 GA. TYPE
304 STAINLESS STEEL WITH #4 FINISH

DISPOSAL ON / OFF
SWITCH

HAND SPRAY HOSE
10 ft LONG WITH HEAVY
DUTY SPRAY HEAD
THUMB SQUEEZE ON / OFF
CONTROL

DUPLEX OUTLET
GFCI PROTECTED
(2 PLACES)

ELEVATED 44"
LOWERED 32"

	NAME	DATE	PMT Scientific		
DRAWN	DELL	04/28/26	ENGINEERING SERVICES		
PRINTED		04/28/26	TITLE:		
ENG APPR			104" ELEVATING AUTOPSY TABLE		
MGR APPR					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES ± .5° REF .XXX = ±0.050 FRACTIONAL DIM'S < 4' = ± 1/8" > 4' = ± 1/4"			SIZE:	FILE NAME:	REV
			D	C26115PAT460-A.dft	A
			WORK ORDER # W00-00XXXXX		
			SCALE:	WEIGHT:	SHEET 1 OF 3

C26115PAT460-A.dft