

**Trusted Products. Reliable Partners.
Supporting America's Mission.**

Your single source for high-quality medical equipment, supplies and services — for hospitals, VA facilities, government agencies and beyond.

GOVERNMENT CAPABILITIES & PRODUCT BROCHURE

HIGHER STANDARDS. BETTER OUTCOMES.

WHAT WE OFFER



Emergency & Resuscitation

AEDs, emergency carts, trauma & bleeding control, life-saving solutions.



Patient Monitoring & Diagnostics

Vital signs, cardiac, respiratory, neurological and diagnostic devices.



Hospital, Patient Care & Neonatal

Patient rooms, neonatal care, infusion, respiratory and critical care.



Surgical & Operating Room

Surgical energy, visualization, access, smoke evacuation and OR essentials.



Sterile Processing & Infection Prevention

Decontamination, sterilization, cleaning and infection control.



Rehabilitation, Mobility & Orthopedics

Patient mobility, recovery, rehabilitation and orthopedic solutions.



Laboratory, Pathology & Specialty Systems

Pathology, lab equipment, specialty diagnostics and research.



Medical Carts, Storage & Facility Solutions

Medication carts, storage, workstations and facility equipment.



School Health & First Aid

School nurses, first aid, AED, trauma and health room equipment.

OUR MANUFACTURER & SUPPLIER NETWORK

Medtronic

ZOLL

Dräger

STERIS



CardinalHealth



InBody

Tuttnauer

NIHON KOHDEN



STORZ
KARL STORZ — ENDOSCOPE

Leica
BIOSYSTEMS

Epredia
Anatomical Pathology

accuvein

OHIO MEDICAL

B|BRAUN

encovis
DONJOY

GAME READY

AVANOS

Pure Processing

NORTH COAST MEDICAL

and more...

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OUR GOVERNMENT CAPABILITIES



FSS (when applicable)



GSA (when applicable)



VA / Federal Facilities



State & Local Government



Contractor Partnerships

LET'S WORK TOGETHER

We are committed to providing reliable products, responsive service, and tailored solutions to meet the unique needs of government agencies and healthcare facilities.

GOVERNMENT CAPABILITIES & PRODUCT BROCHURE

A concise government-facing overview of Ortho Med Spa's healthcare sourcing capabilities, product portfolio, and manufacturer/supplier network.

Government Markets	What We Deliver
VA Medical Centers Federal Health Facilities Military Treatment Facilities Public Hospitals & Clinics State & Local Health Agencies School District Health Programs	Medical equipment Clinical supplies Capital equipment sourcing Emergency & resuscitation products Surgical / sterile processing solutions Rehabilitation & mobility products Specialty healthcare systems

Our Government Value Proposition

Ortho Med Spa supports government buyers by bringing multiple healthcare product categories into one sourcing channel. We help identify appropriate products, coordinate manufacturer literature and quotations, support delivery requirements, and provide responsive communication from request through fulfillment.

Government presentation strategy: lead with the agency mission need, show only relevant product categories, provide manufacturer literature and specifications, confirm lead time and warranty, and quote delivered pricing when required.

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01 | COMPANY & GOVERNMENT CAPABILITY

Ortho Med Spa provides medical equipment, clinical supplies, orthotic and rehabilitation products, and healthcare sourcing support for institutional and government customers. Our government catalog is broad for VA, hospital and clinic buyers, while school buyers receive a separate focused health and first-aid portfolio.

Core Capabilities

Medical Equipment Sourcing	Capital equipment, clinical systems and specialty products
Clinical & Patient-Care Supplies	Routine and specialized medical/surgical supplies
Manufacturer Coordination	Product literature, specifications, availability and warranty coordination
Government RFQ Support	Product matching against salient characteristics and solicitation requirements
Delivery Coordination	Lead-time confirmation, freight coordination and destination delivery support
Training / Manufacturer Support	Coordination of applicable training, technical literature and manufacturer support

02 | MANUFACTURER & SUPPLIER NETWORK

For government presentations, we recommend describing this as a **manufacturer and supplier network** unless a specific authorization letter confirms an authorized-distributor relationship for the procurement.

Medtronic	Medline	Cardinal Health
ZOLL	Dräger	STERIS
BD	GE HealthCare	InBody
Tuttnauer	Nihon Kohden	Masimo
Karl Storz	Leica	Epredia
AccuVein	Ohio Medical	BrainsWay
IAC Audiology	North Coast Medical	Raz Design
Enovis / DonJoy	Game Ready	Avanos
Pure Processing		

For each government RFQ, the manufacturer list should be narrowed to the brands relevant to the requirement and supported with current literature, specifications, warranty information and authorization documentation when required.

03 | EMERGENCY & RESUSCITATION

Government Applications

Emergency departments, VA medical centers, clinics, public-access areas, crash carts, school health programs and campus emergency-response locations.

Category Overview

Ortho Med Spa supports emergency preparedness and critical response with lifesaving equipment, consumables and replacement accessories selected around the facility's clinical and operational requirements.

Products & Solutions

AED & Defibrillation

AED/BLS systems, defibrillation accessories, electrodes/pads, batteries, carrying cases, cabinets, signage and replacement components.

CPR & Resuscitation

CPR masks and barriers, resuscitation accessories, emergency-response supplies and related clinical consumables.

Trauma & Bleeding Control

Trauma kits, bleeding-control supplies, dressings, gauze, tourniquet-related products and emergency medical supplies.

First Aid & Readiness

First-aid kits, burn-care products, eye-care/eye-wash supplies, emergency blankets, cabinet refills and preparedness supplies.

Representative Manufacturer Network

ZOLL and additional emergency-care suppliers

Featured in This Brochure

Featured literature: ZOLL AED 3 BLS technical specifications.

Government Procurement Support

Product matching | manufacturer literature | specification review | warranty coordination | lead-time confirmation | delivery coordination | quotation support

04 | PATIENT MONITORING & DIAGNOSTICS

Government Applications

Inpatient units, outpatient clinics, primary care, specialty clinics, rehabilitation programs and biomedical departments.

Category Overview

We source clinical monitoring and diagnostic solutions ranging from routine vital-sign accessories to specialty assessment systems for patient evaluation and ongoing care.

Products & Solutions

Vital-Sign Monitoring

Patient-monitoring accessories, ECG leads/adapters, non-invasive blood-pressure cuffs, temperature probes and compatible accessories.

Pulse Oximetry

SpO2 monitoring products, sensors, cables and related accessories for applicable clinical environments.

Body Composition

Professional body-composition and body-water analysis systems for clinical, rehabilitation and wellness applications.

Specialty Diagnostics

Vascular visualization and other specialty diagnostic products matched to the requesting facility's intended use.

Representative Manufacturer Network

Nihon Kohden | Masimo | Drager | InBody | AccuVein

Featured in This Brochure

Featured literature: Drager monitoring accessories; InBody 770 and InBody 380.

Government Procurement Support

Product matching | manufacturer literature | specification review | warranty coordination | lead-time confirmation | delivery coordination | quotation support

05 | HOSPITAL, PATIENT CARE & NEONATAL

Government Applications

VA hospitals, acute-care facilities, NICUs, patient rooms, procedure areas, outpatient centers and clinical support spaces.

Category Overview

Ortho Med Spa supports bedside and patient-care environments with equipment and supplies spanning neonatal care, patient-room needs and general clinical support.

Products & Solutions

Neonatal Care

Infant warmers, incubators and related neonatal support equipment for appropriate clinical environments.

Patient-Room Equipment

Patient beds and furniture, bedside support products, overbed solutions and other patient-care equipment.

Clinical Supplies

Routine and specialized patient-care supplies, consumables and accessories selected to facility requirements.

Care Environment Support

Products supporting treatment areas, procedure rooms, mobility, comfort and day-to-day patient-care workflows.

Representative Manufacturer Network

GE HealthCare and additional patient-care suppliers

Featured in This Brochure

Featured literature: GE HealthCare Panda Warmer / ResusView and Panda Incubator.

Government Procurement Support

Product matching | manufacturer literature | specification review | warranty coordination | lead-time confirmation | delivery coordination | quotation support

06 | SURGICAL & OPERATING ROOM

Government Applications

Operating rooms, ambulatory surgery centers, procedure suites and hospital surgical departments.

Category Overview

Our surgical portfolio supports procedural efficiency, visualization, energy delivery and OR readiness through equipment, instruments, accessories and manufacturer-supported solutions.

Products & Solutions

Surgical Energy

Electrosurgical and energy-platform solutions, compatible accessories and procedure-specific components.

Smoke Management

Smoke-evacuation systems and related accessories supporting applicable surgical workflows.

Visualization & Access

Laparoscopic access products, visualization solutions and associated OR accessories.

Instruments & OR Essentials

Surgical instruments, procedure accessories and supporting products selected to the clinical requirement.

Representative Manufacturer Network

Medtronic | Karl Storz and other surgical suppliers

Featured in This Brochure

Featured literature: Medtronic Surgical Energy / OR Essentials.

Government Procurement Support

Product matching | manufacturer literature | specification review | warranty coordination | lead-time confirmation | delivery coordination | quotation support

07 | STERILE PROCESSING & INFECTION PREVENTION

Government Applications

SPD/CSSD departments, operating-room support, endoscopy, clinics and reusable-device processing environments.

Category Overview

We support sterile-processing and infection-prevention workflows with sterilization, reprocessing and handling solutions intended to help facilities maintain reliable clinical operations.

Products & Solutions

Steam Sterilization

Autoclaves and steam-sterilization systems for applicable hospital, clinic and processing requirements.

TEE Probe Processing

Products supporting cleaning and high-level disinfection workflows for transesophageal echocardiography probes.

Instrument Workflow

Sterile-processing accessories, handling products and supporting equipment for reusable instruments and devices.

Infection Prevention

Products and accessories supporting cleaning, disinfection, processing and contamination-control practices.

Representative Manufacturer Network

STERIS | Tuttnauer | Pure Processing | CS Medical

Featured in This Brochure

Featured literature: Tuttnauer autoclave and CS Medical TEEClean.

Government Procurement Support

Product matching | manufacturer literature | specification review | warranty coordination | lead-time confirmation | delivery coordination | quotation support

08 | REHABILITATION, MOBILITY & ORTHOPEDICS

Government Applications

VA rehabilitation, physical therapy, long-term care, outpatient rehabilitation and orthopedic programs.

Category Overview

Ortho Med Spa provides rehabilitation and mobility solutions supporting recovery, patient positioning, orthopedic care and functional independence.

Products & Solutions

Mobility & Seating

Wheelchairs, rehab seating, commode/shower mobility solutions and related patient-mobility products.

Orthopedic Support

Bracing, orthopedic supports and products used across rehabilitation and musculoskeletal care.

Compression & Recovery

Compression-therapy systems and accessories supporting recovery and applicable clinical protocols.

Therapy Products

Rehabilitation supplies, exercise/therapy products and specialty accessories for PT and OT environments.

Representative Manufacturer Network

Raz Design | Enovis / DonJoy | Game Ready | North Coast Medical

Featured in This Brochure

Featured literature includes Raz Design mobility solutions and VenaFlow Elite.

Government Procurement Support

Product matching | manufacturer literature | specification review | warranty coordination | lead-time confirmation | delivery coordination | quotation support

09 | LABORATORY, PATHOLOGY & SPECIALTY SYSTEMS

Government Applications

Pathology, laboratory, specialty clinics, research environments, audiology programs and behavioral-health services.

Category Overview

Our specialty portfolio extends beyond routine patient care to laboratory, pathology, audiology and advanced clinical systems sourced to the agency's technical requirements.

Products & Solutions

Laboratory Equipment

Biosafety cabinets and other laboratory equipment supporting controlled clinical and research workflows.

Pathology

Microtomy and tissue-preparation related equipment for pathology and histology applications.

Audiology

Specialty audiology systems and equipment for hearing-assessment and related clinical environments.

Specialty Clinical Systems

Neuromodulation, vascular visualization and other specialty technologies matched to program requirements.

Representative Manufacturer Network

Leica | Epredia | IAC Audiology | BrainsWay | Labconco and specialty suppliers

Featured in This Brochure

Featured literature includes Labconco biosafety cabinet and microtome product information.

Government Procurement Support

Product matching | manufacturer literature | specification review | warranty coordination | lead-time confirmation | delivery coordination | quotation support

10 | MEDICAL CARTS, STORAGE & FACILITY SOLUTIONS

Government Applications

Medication and supply management, isolation areas, procedure rooms, sterile processing and hospital logistics.

Category Overview

We source medical carts, storage systems and facility-support products designed to help healthcare teams organize supplies, equipment and point-of-care workflows.

Products & Solutions

Medical Carts

Medication, treatment, procedure and general-purpose medical carts for applicable clinical settings.

Storage Systems

Cabinets, supply storage, specialty storage and organization products for healthcare environments.

Clinical Workstations

Mobile and fixed workstation solutions supporting documentation, supply access and care delivery.

Facility Support

Products supporting hospital logistics, room organization, equipment staging and clinical workflow needs.

Representative Manufacturer Network

Waterloo and additional medical-storage suppliers

Featured in This Brochure

Featured literature: Waterloo aluminum medical carts.

Government Procurement Support

Product matching | manufacturer literature | specification review | warranty coordination | lead-time confirmation | delivery coordination | quotation support

11 | SCHOOL HEALTH & FIRST AID

Government Applications

K-12 districts, school nurse offices, athletic programs, transportation departments, classrooms and campus emergency-readiness programs.

Category Overview

For school customers, Ortho Med Spa focuses on practical, frequently used health and safety products that can support nurses, staff, students, athletics and campus emergency preparedness.

Products & Solutions

First Aid & Trauma

First-aid kits, trauma kits, bleeding-control products, wound-care supplies, burn-care products and cabinet refills.

Emergency Preparedness

AED-related products, CPR supplies, emergency blankets, eye-wash products and emergency-response accessories.

Nurse Office Supplies

Routine school-clinic supplies, PPE and infection-control items, diagnostic basics and everyday patient-care products.

Mobility & Student Support

Basic mobility aids, rehabilitation/support products and selected accessibility products appropriate for school environments.

Representative Manufacturer Network

Products are sourced across Ortho Med Spa's manufacturer and supplier network based on district requirements.

Featured in This Brochure

School offerings remain focused on practical health, first-aid and emergency-readiness needs.

Government Procurement Support

Product matching | manufacturer literature | specification review | warranty coordination | lead-time confirmation | delivery coordination | quotation support

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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EMERGENCY & RESUSCITATION

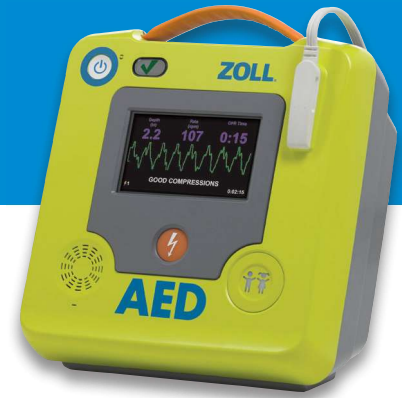
REPRESENTATIVE MANUFACTURER BROCHURES

- **ZOLL AED 3 BLS**

ORTHO MED SPA | Government Capabilities & Product Catalog

Government contact: Nathaniel | 201-699-7719 | Nathaniel@orthomedspa.com

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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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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ZOLL

PATIENT MONITORING & DIAGNOSTICS

REPRESENTATIVE MANUFACTURER BROCHURES

- **Drager Monitoring Accessories**
- **InBody 770**
- **InBody 380**

ORTHO MED SPA | Government Capabilities & Product Catalog

Government contact: Nathaniel | 201-699-7719 | Nathaniel@orthomedspa.com



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.

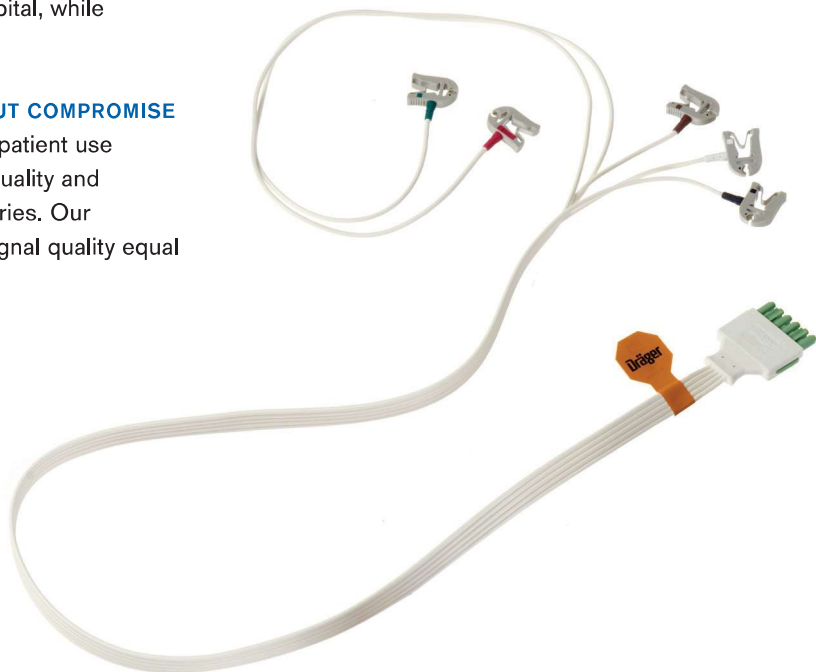
QUALITY AND FUNCTION WITHOUT COMPROMISE

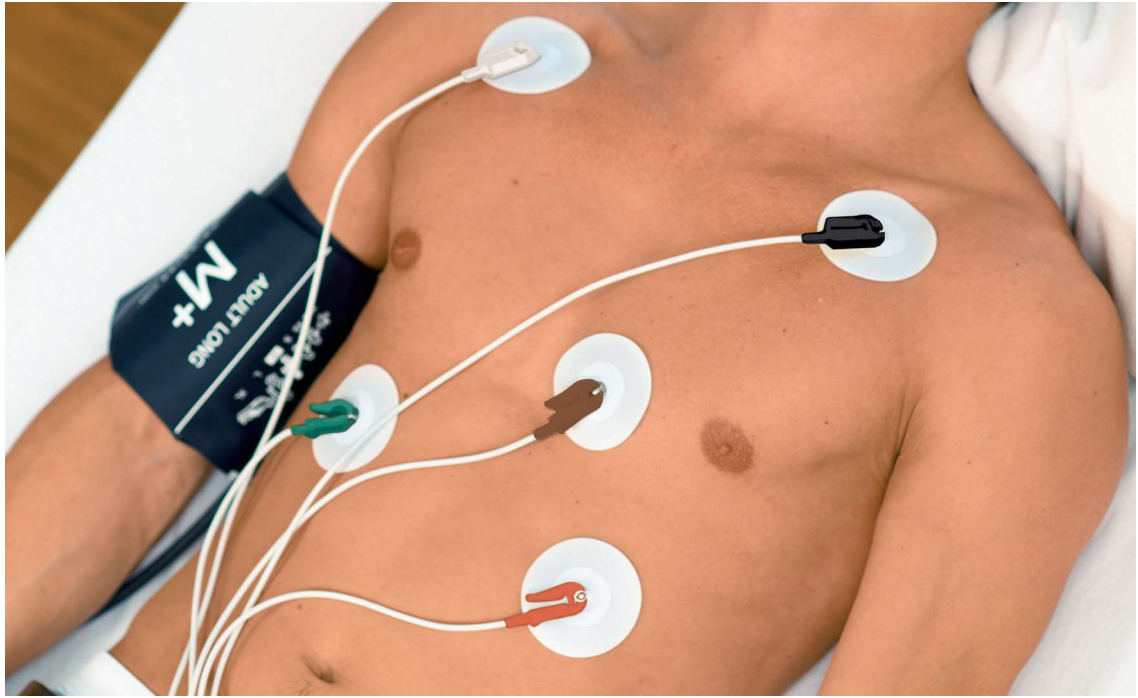
At Dräger, we believe that single-patient use products should offer the same quality and functionality as reusable accessories. Our disposable ECG leads provide signal quality equal

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

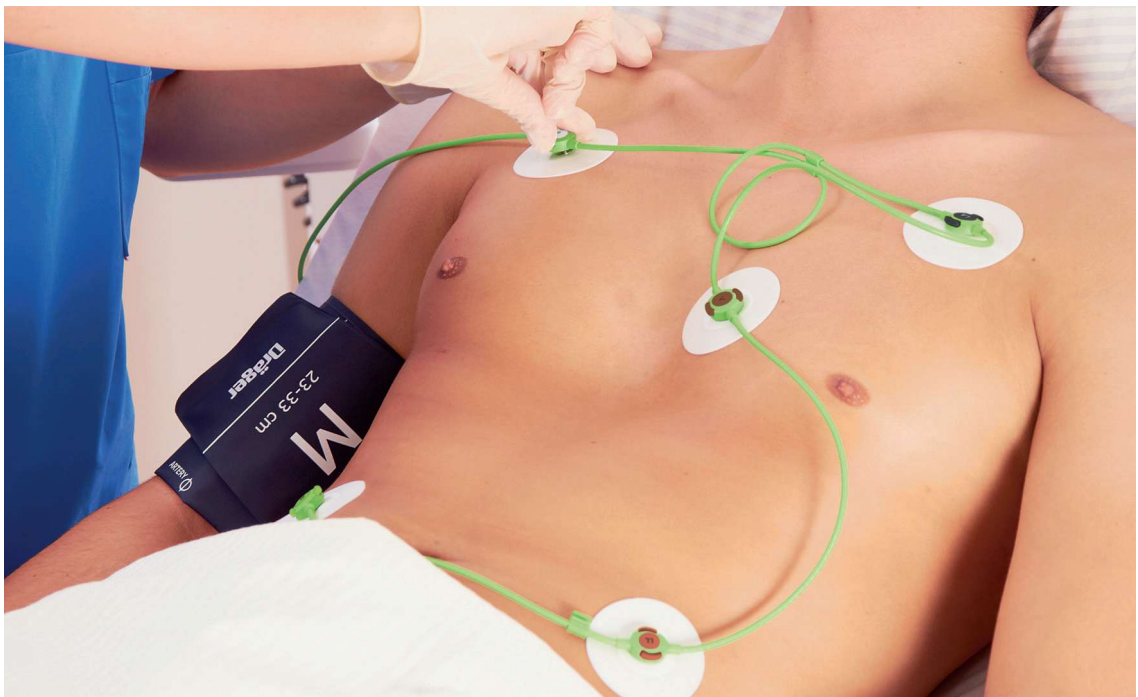
Features include:

- 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



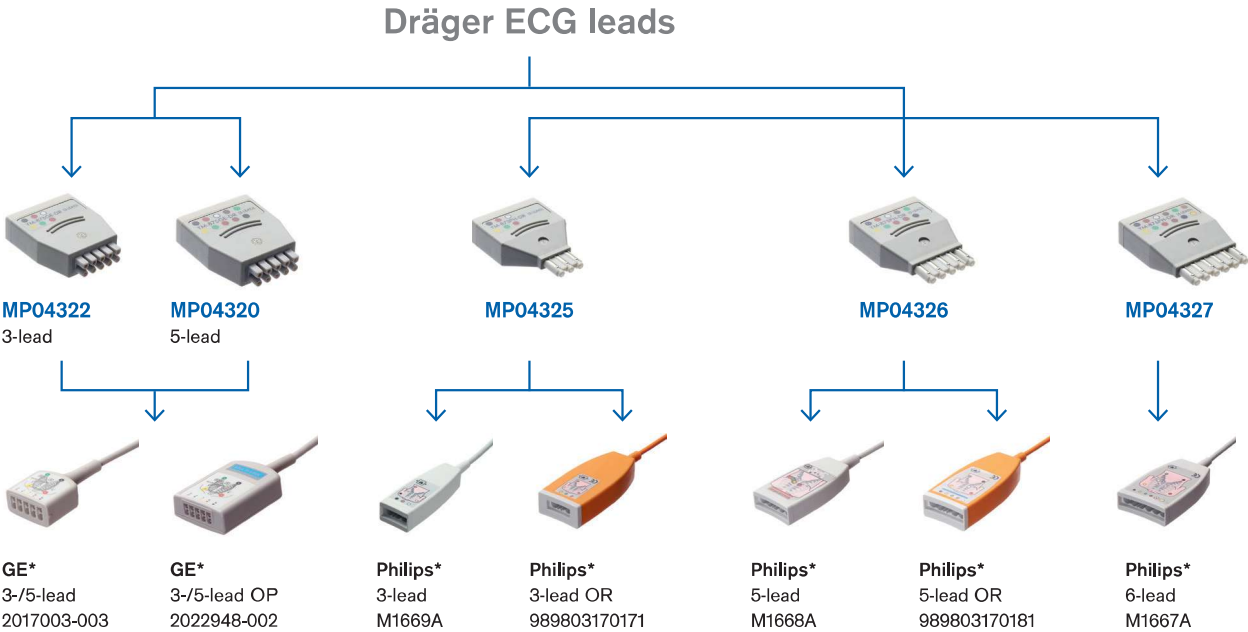
D-54466-2012

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.

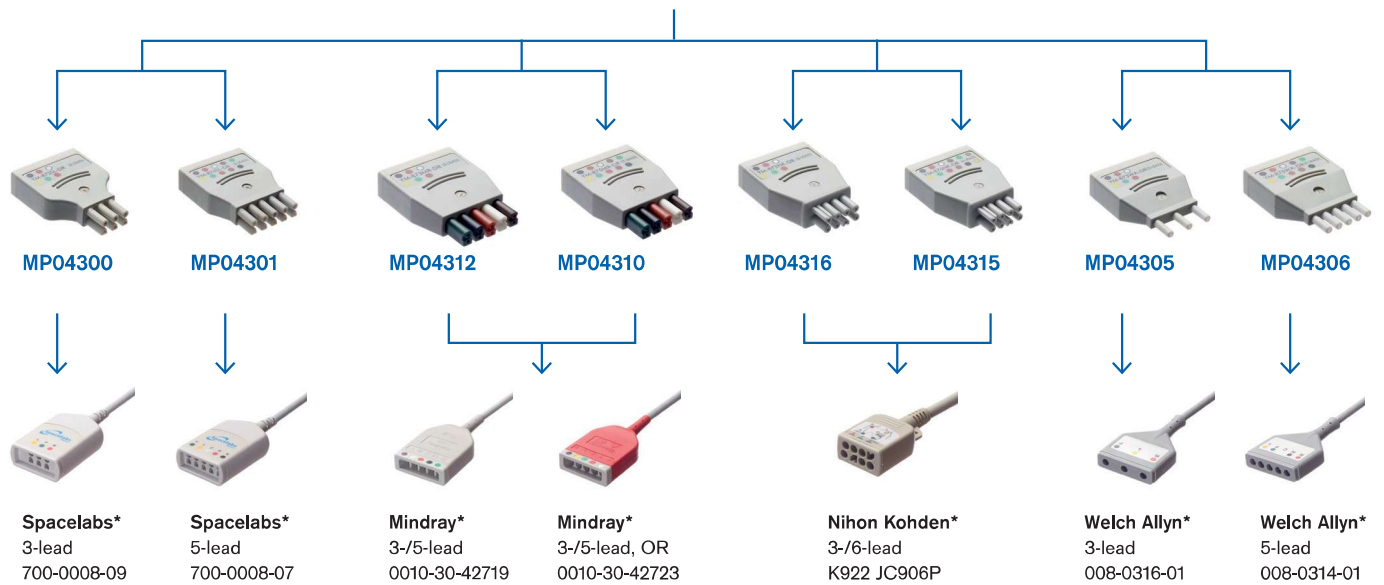


ORDER INFORMATION

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

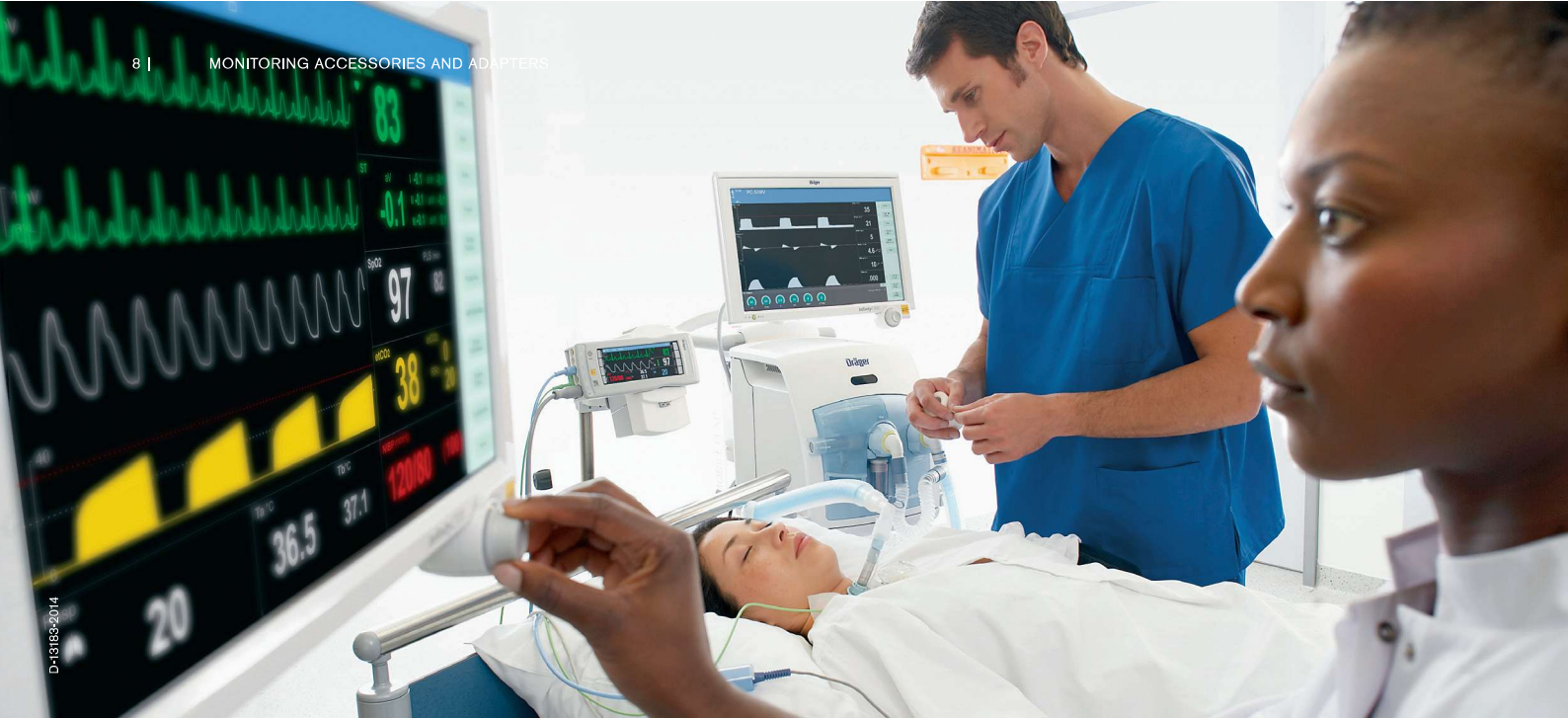
Dräger MonoLead®, Single Pin Connector**	Part no.	ECG Adapter 3-lead Spacelabs	MP04300
ECG MonoLead® 3-lead, IEC2 (AHA color code)	MS14556	ECG Adapter 5-lead Spacelabs	MP04301
ECG MonoLead® 5-lead, IEC2 (AHA color code)	MS14560	ECG Adapter 3-lead Welch Allyn	MP04305
ECG MonoLead® 6-lead, IEC2 (AHA color code)	MS14682	ECG Adapter 5-lead Welch Allyn	MP04306

ECG Adapter***	Part no.	ECG Trunk Cable***	Part no.
ECG Adapter 3-lead GE	MP04322	Philips ECG Trunk Cable 3 and 5 lead	MP04498
ECG Adapter 5-lead GE	MP04320	GE ECG Trunk Cable 3 and 5 lead	MP04499
ECG Adapter 3-lead Mindray	MP04312		
ECG Adapter 5-lead Mindray	MP04310		
ECG Adapter 3-lead NK	MP04316		
ECG Adapter 6-lead NK	MP04315		
ECG Adapter 3-lead Philips	MP04325		
ECG Adapter 5-lead Philips	MP04326		
ECG Adapter 6-lead Philips	MP04327		

* 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

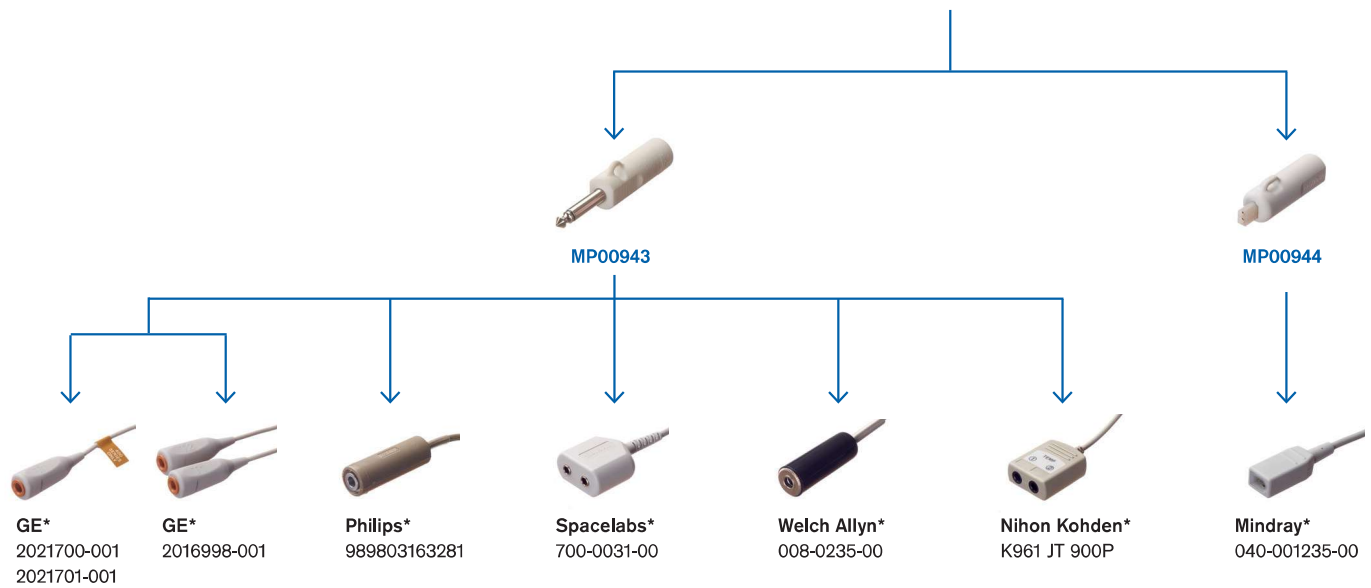
patients. We also offer skin temperature probes in different lengths and diameters for use with adult, pediatric and neonatal patients.

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.

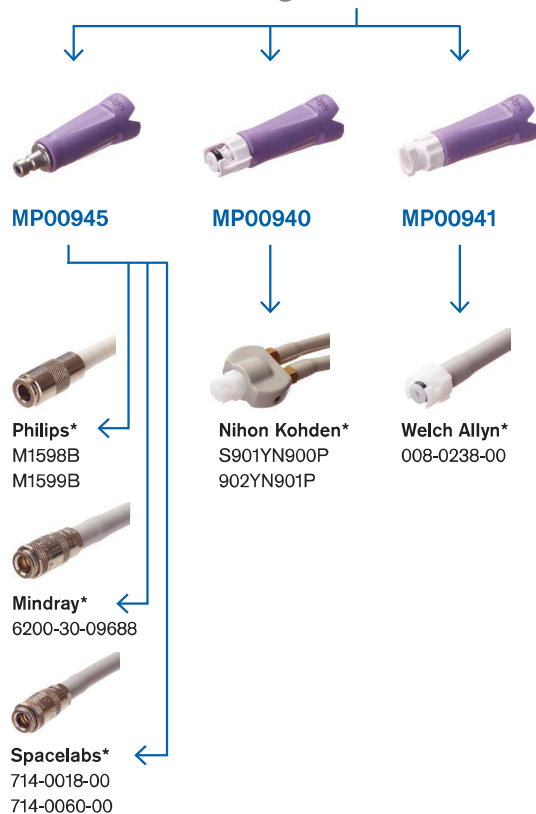
Because the fastener attaches directly to the velour surface, the cuffs can be adjusted for maximum comfort and best possible fit. Made of durable polyurethane, the cuffs have a soft velour surface, are free of silicone and PVC and are not made with natural rubber latex.



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

- 1 R. M. Kleven, J.R. Edwards, C.L. Richards; Estimating Health Care- Associated Infections and Deaths in U.S. Hospitals, 2002; 2007; volume 122; p.160-165.
- 2 RR Robert et al., The use of economic modeling to determine the hospital costs associated with nosocomial infections, Clinical Infections Deiseas 36,11 (2003), 1424 – 1432.
- 3 C. Zahn, MR. Miller; Excess length of stay, charges, and morality attributable to medical injures during hospitalization; 2003; 290:197-199.
- 4 B. Jancin; Cell phones, ECG leads are nosocomial pathways: hospitalized patients, 2003 Dec. 1.
- 5 B. McCaughey Ph.D.; Unnecessary deaths: The human and financial costs of hospital infections, 3rd Edition.
- 6 PS. Falk, J. Winnike; Outbreak of vancomycinresis- tant enterococci in a burn unit; 2000 Sep.
- 7 K. Kerwatt, J. Graf, H. Wulff; Krankenhaushygiene – Nosokomiale Infektion. Anästhesiol Intensivmed Notfallmed Schmerzther 2010; 45; 30-31.
- 8 Bush LM., Disposable items help prevent healthcare acquired infections, Infection Control today, May 2005:6.
- 9 Association of Anaesthesists of Great Britain and Ireland, Infection Control in Anaesthesia, 2002 Nov. 21.
- 10 B. Jancin; Antibiotic- resistant pathogens found on 77% of ECG lead wires; Cardiology News, March 2004.

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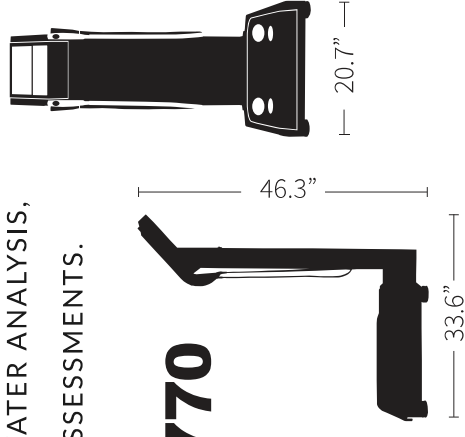
INBODY

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

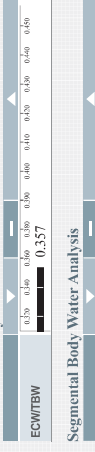
InBody Body Water

ID John Doe | Height 5 ft 08.4 in | Age 22 | M/F Male | Test Date / Time 08.15.2022 10:22 [InBody770]

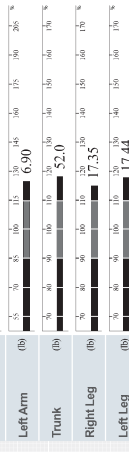
Body Water Composition

Values	Total Body Water	Lean Body Mass	Weight
Intracellular Water (lb)	70.5	109.6	163.3
Extracellular Water (lb)	39.0		
Dry Lean Mass (lb)	40.3		
Body Fat Mass (lb)	13.4		

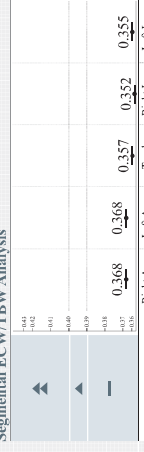
Muscle-Fat Analysis



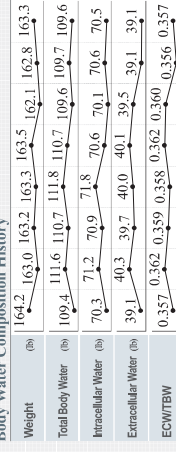
Obesity Analysis



Segmental ECW/TBW Analysis



Body Water Composition History



InBody Body Composition

ID John Doe | Height 5 ft 08.4 in | Age 22 | M/F Male | Test Date / Time 08.15.2022 10:22 [InBody770]

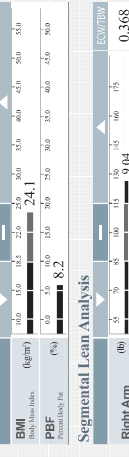
Body Composition Analysis

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Body Fat Mass (lb)	13.4		

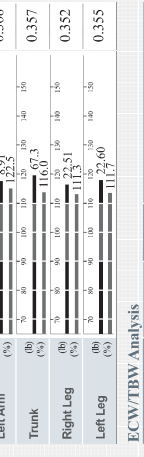
Muscle-Fat Analysis



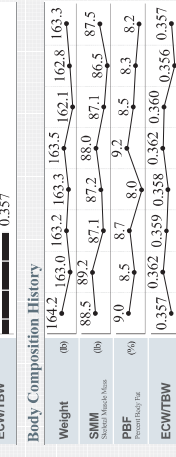
Obesity Analysis



Segmental Lean Analysis



ECW/TBW Analysis



Body Composition History



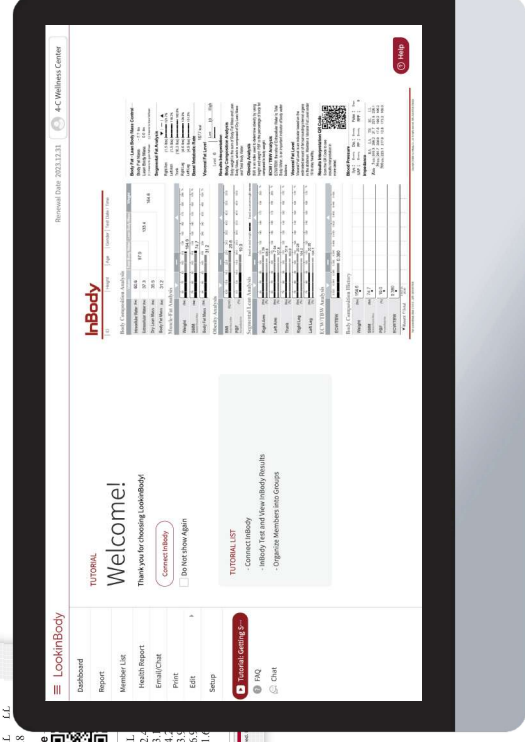
BODY WATER

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.



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.



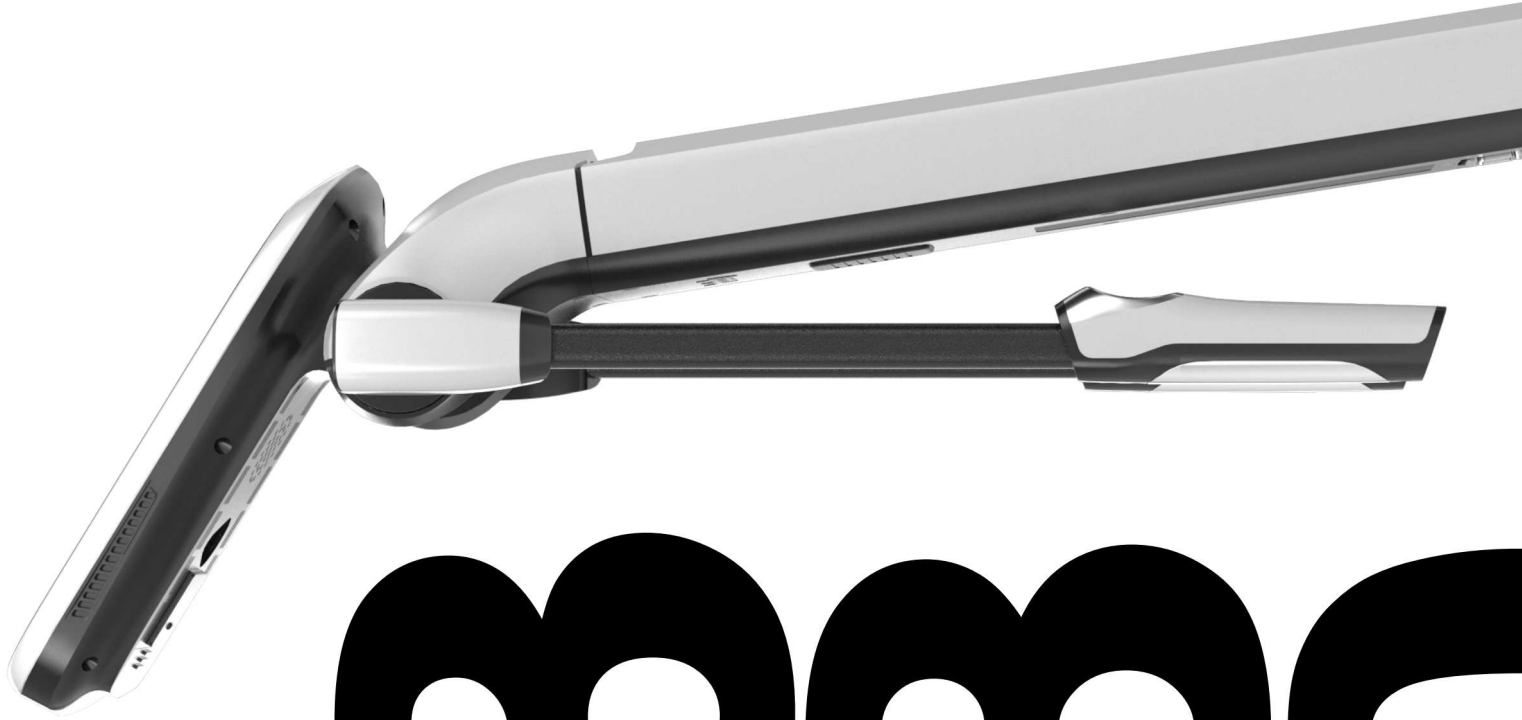
Product Specifications

COMPATIBLE RESULT SHEETS Body Composition, Body Water	TEST DURATION 50 Seconds	AGE RANGE 3+ Years
COMPATIBLE SOFTWARE LookinBody Web	WEIGHT RANGE 4.4 - 595.2 lb	HEIGHT RANGE 3 ft 1.4 in - 7 ft 2.6 in
COMPATIBLE ACCESSORIES USB Drive, InBody Tissues, Laser/Ink Jet Printer, Marketing Materials	DATABASE 100,000 results (if member ID is utilized)	DIMENSIONS 20.7 x 33.6 x 46.3 (W x L x H): in
COMPATIBLE DEVICES BSM 170B, BSM 270B, BPBIO 320S, BPBIO750, InGrip, InBody Touch	FREQUENCIES 1, 5, 50, 250, 500 kHz; 1 MHz	EQUIPMENT WEIGHT 83.8 lb
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)		WARRANTY 1-Year Manufacturer's Warranty
STANDARD OUTPUTS		MEASUREMENTS 30 impedance measurements 6 frequencies at each of the 5 segments (RA, LA, Trunk, RL, LL)

[†]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.

380



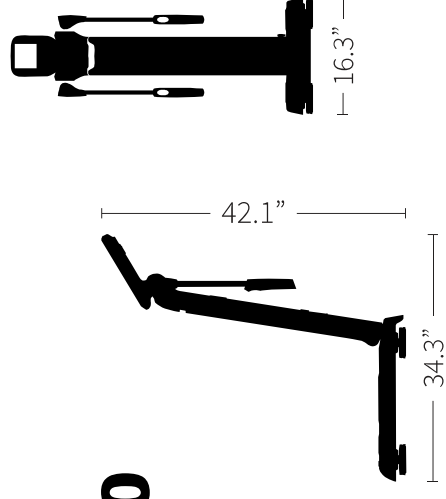
Portable & Advanced

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

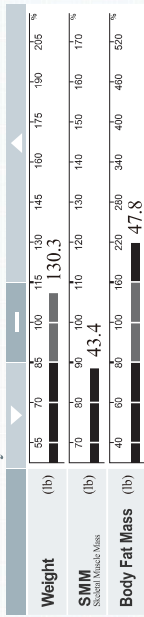
[InBody380]

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

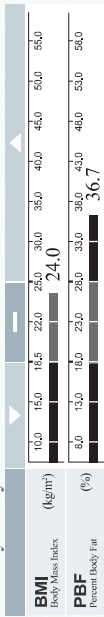
Body Composition Analysis

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

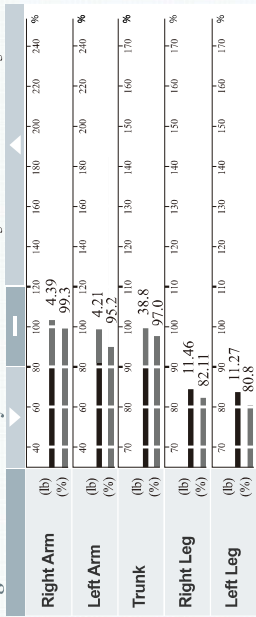
Muscle-Fat Analysis



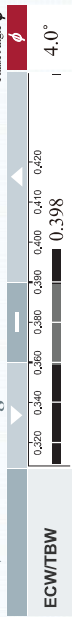
Obesity Analysis



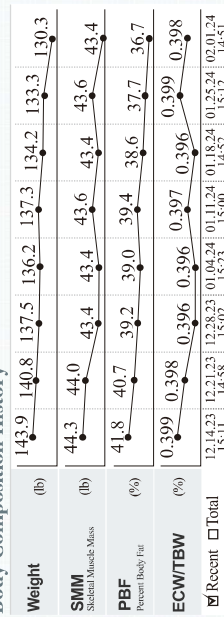
Segmental Lean Analysis



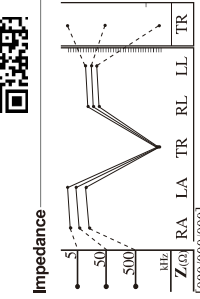
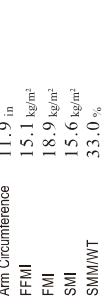
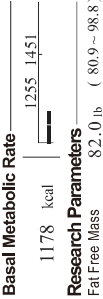
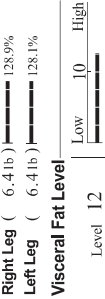
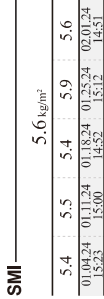
ECW/TBW-Phase Angle



Body Composition History



SEE WHAT YOU'RE MADE OF



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	AGE RANGE
30 Seconds	3+ Years
WEIGHT RANGE	HEIGHT RANGE
4.4 - 661.4 lb	3 ft 1.4 in - 7 ft 2.6 in
COMPATIBLE DEVICES	DIMENSIONS
BSM 170B, BSM 270B, BPBIO320S, BPBIO 750, InGrip, InBody Touch	16.3 x 34.3 x 42.1 (W x L x H): in
COMPATIBLE SOFTWARE	EQUIPMENT WEIGHT
LookinBody Web	35.3 lb
COMPATIBLE ACCESSORIES	DATABASE
Carrying Case, USB Drive, InBody Tissues, Laser/Ink Jet Printer, Thermal Printer, Marketing Materials	100,000 results (if member ID is utilized)
COMPATIBLE RESULT SHEETS	WARRANTY
Body Composition, Children, Thermal	1-Year Manufacturer's Warranty
BUILT-IN FEATURES	FREQUENCIES
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	5, 50, 500 kHz
	MEASUREMENTS
	15 impedance measurements 3 frequencies at each of the 5 segments (RA, LA, Trunk, RL, LL)
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, FFM) (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, FFM, FMI, SMI, SMM/Weight, Recommended Calorie Intake Per Day [Result and Manual Input]), Calorie Expenditure of Activity, Blood Pressure¹ (Systolic, Diastolic, Pulse, Mean Arterial Pressure, Pulse Pressure, Rate Pressure Product), Muscle-Strength Evaluation¹, 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.

HOSPITAL, PATIENT CARE & NEONATAL

REPRESENTATIVE MANUFACTURER BROCHURES

- **GE HealthCare Panda Warmer / ResusView**
- **GE HealthCare Panda Incubator**

ORTHO MED SPA | Government Capabilities & Product Catalog

Government contact: Nathaniel | 201-699-7719 | Nathaniel@orthomedspa.com



Panda Warmer

ResusView* ♥

At the heart of the golden hour

gehealthcare.com

At the heart of the golden hour

You and your team have the specialized skills to deliver positive outcomes for compromised infants. You deserve the best tools to support your practice. Panda™ Warmer ResusView™ solution provides the data you need for clinical confidence at that vital moment.

Heart rate in 6 seconds**

When seconds count, a continuous, fast and accurate heart rate assessment immediately after birth is critical to the correct guidance of resuscitation efforts. Neonatal resuscitation guidelines recommend the use of electrocardiogram (ECG) to acquire an accurate and continuous heart rate.¹ Studies have demonstrated that ECG is faster and more accurate than other existing methods.²

With ResusView, blood oxygen saturation level (SpO₂) and ECG heart rate are integrated into your warmer. GE Healthcare isn't only helping you adhere to the latest guidelines for neonatal resuscitation, we're supporting your clinical practice by providing vital data when you need it – fast. ResusView ECG provides a heart rate within 6 seconds; whereas SpO₂ could take as long as 32 seconds to acquire a signal.³

According to a survey conducted during premarket clinical product evaluations at two U.S. Medical Centers, 57% of respondents felt they were able to acquire a heart rate value quicker and easier with ResusView during a resuscitation event than with a stethoscope.***



Continuous, Fast and Accurate

When baby can't be with mom, the next best place is in your caring hands with the best tools at your fingertips. Assessing an infant's heart rate via periodic palpating of umbilicus or auscultation may produce an inaccurate assessment of heart rate² and doesn't provide continuous data. Also, pulse oximetry can underestimate the newborn's heart rate and could lead to unnecessary interventions.²

ResusView provides integrated SpO₂ capabilities, which is helpful in assessing the newborn's oxygenation, as well as integrated 3-lead ECG capabilities to acquire a heart rate. It also provides you with a convenient view of this data to make clinical decisions and allows you to focus your attention where it matters most in that vital moment – the baby.



Integrated Solution

Simply designed to deliver the right tools and data in those critical moments. Panda Warmer is the only all-in-one infant resuscitation solution specifically designed to support clinical actions during resuscitation as recommended by current resuscitation guidelines in a single display view. Specifically designed to provide an easy view of the critical data you need. The rapid response benefits of the Panda Warmer ResusView are:



Integrated

- The tools are in one spot with the Panda Warmer. Hopefully you won't need them, but they're there when you do.



Turn-key

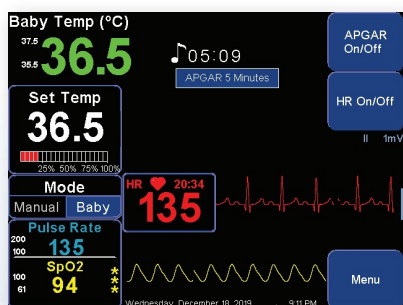
- Update your existing warmers with an upgrade kit and integrate into your existing workflow to help minimize staff training time.



Clinical confidence

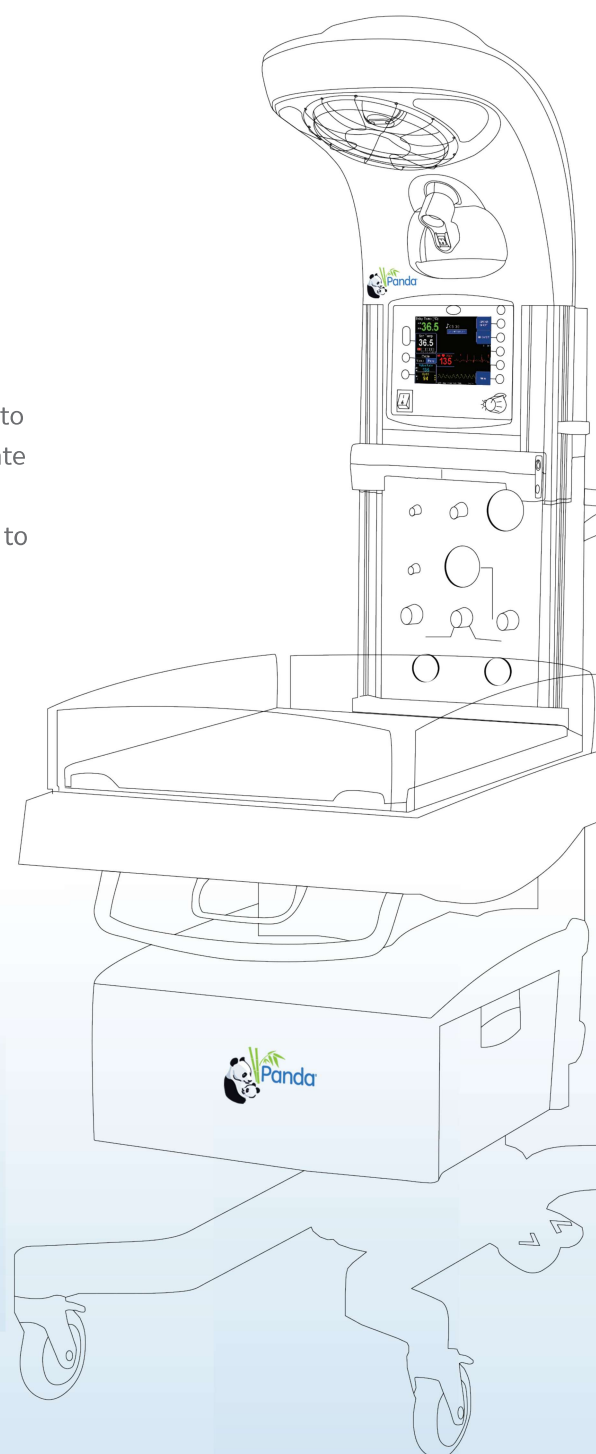
- Quickly get an accurate heart rate number and oxygenation data to help make informed decisions quickly. A continuous ECG heart rate number and waveform is viewable on the Panda Warmer display screen and user selectable audible heart rate tone will allow you to quickly hear the ResusView feature is detecting heart rate.

You give the world's newborns the best start at life and it's our job to support you. GE Healthcare's Panda Warmer ResusView solution supports your golden hour practices for clinical confidence in those vital moments.



Panda Warmer ResusView screen with APGAR timer on with 5 min APGAR alert, SPO2 and ECG options on; warmer set to Baby Mode.

According to a survey conducted during premarket clinical product evaluations at two U.S. Medical Centers, 73% of respondents felt they were able to acquire a heart rate value quicker and easier with ResusView during a resuscitation event than with a stand-alone physiological monitor.*



Summary of Specifications

- **Parameter:** ECG heart rate (HR)
- **Leadset available:** 3-leadwire
- **Heart rate range:** 30 to 300 beats/min
- **Heart rate Resolution:** 1 bpm
- **Heart rate:** on/off option; time-out after 30 minutes with manual resume option
- Heart rate accuracy: $\pm 1\%$ or ± 1 bpm, whichever is greater
- **Time to initial heart rate:** With HR option turned ON, when the leads are placed on the patient, and waveform starts to display.
 - ≤ 4 sec 240-295 bpm
 - ≤ 5 sec 120-239 bpm
 - ≤ 6 sec 60-119 bpm
 - ≤ 9 sec 59-35 bpm

Optional Accessories

- Neonatal ECG Leadwires (AHA & IEC)
- 3-Lead ECG Care Cables

References

1. Weiner GM, ed. *Textbook of Neonatal Resuscitation*. 7th ed. Elk Grove Village, IL: American Academy of Pediatrics; 2016 American Academy of Pediatrics. Summary AAP/AHA 2015 Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care of the Neonate. https://www.aap.org/en-us/Documents/nrp_guidelines_english.pdf.
2. Wyckoff MH, Aziz K, Escobedo MB, Kapadia VS, Kattwinkel J, Perlman JM, Simon WM, Weiner GM, Zaichkin, JG. Part 13: neonatal resuscitation: 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. 2015;132(suppl 2):S543-S560.
3. Katheria A, Rich W, Finer N. Electrocardiogram provides a continuous heart rate faster than oximetry during neonatal resuscitation. *Pediatrics*. 2012;130:e1177-e1181. doi: 10.1542/peds.2012-0784.

* ResusView is only available on the Panda iRes Bedded Warmer.

** 60-119 bpm

*** N=7

**** N=11



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JB53519XX



Panda Incubator

Care with confidence

Designed for efficiency and ease of use, the Panda Incubator helps caregivers confidently manage a high-volume NICU. Its compact footprint and intuitive technology provides a thermoregulated environment giving newborns the fighting chance they deserve.

Intuitive

A smartphone-like interface, context-specific alarm and patient-based temperature suggestions allow staff to be trained quickly and focuses their attention on patient care.

Flexible

A smartphone-like interface, context-specific alarm and patient-based temperature suggestions allow staff to be trained quickly and focuses their attention on patient care.

Simple

With 50% fewer parts than comparable models, the Panda Incubator can be disassembled and reassembled twice as fast, enabling increased staff productivity. Plus, the steam and tubeless humidification system simplifies cleaning and helps prevent infection.

Reliable

Precise thermoregulation, accurate baby weight measurements and fast ramp up times reduce waiting times and give staff the confidence they need in the technology they rely on.



gehealthcare.com

Specifications

Dimensions

- Height (fixed base option): 1,470 mm
- Footprint: 600 X 1160 mm [excluding monitor shelf] / 896 x 1265 mm [including monitor shelf]
- Weight: 102 kg
- Floor to mattress height (Fixed base option): 940 mm
- Mattress size: 650 mm length and 360 mm width and 25.4 mm thickness
- Mattress type: Removable, non-toxic, waterproof, radiolucent, washable
- Drawer size: 400 mm length x 390 mm width and 195 mm height
- Drawer load (Maximum): 6.8 kg
- Wheels: Double wheels, 4 of 4, 12.7 cm (5 in) with rotation and swivel lock, antistatic (option)
- Opening angle of the doors: 180 degree
- Mattress tilt angle: ± 15 degrees
- Mattress to hood height: 351 mm
- Mattress tray size: 402 mm x 700 mm
- Portholes (number): 5
- Tubing grommets: 2 per each corner and 1 on north wall
- X-Ray tray: 17 inch length by 14 inch width

Controller system

- Display: 7-inch (17.78 cm) full-color touch display, 800 x 480 pixels, 133 ppi
- Rotatable display: Yes, horizontal axis
- Touch panel lock option: Yes
- Algorithm type of servo control system: PID (Proportional Differential Integral) control algorithm
- Controller with LCD: With brightness control
- Selectable color combinations: Day and night modes
- Data collection: USB
- Trending: Air temperature, skin temperature, relative humidity, oxygen concentration, mode (baby or air) for one week with variable period range display; weight up to 14 measurements
- Alarm sound levels: Adjustable audible levels (50-65 dBA)
- Sound level: <47 dBA, when humidifier is running at 65% relative humidity (RH) and air mode set at $36 \pm 1^\circ\text{C}$ at ambient of 25°C
- Connectivity (service mode): USB
- Connectivity: Ethernet
- Comfort zone: Yes
- Quick reference guide: Yes
- Display brightness: Adjustable
- Mattress translation: 4 inches, Bi-directional
- Algorithm type for servo control system: PID(Proportional Integral Differential) control for air mode and Cascade control for skin mode

- Rotatable display: Yes, horizontal axis, 180 degrees
- Touch panel lock option: Yes, with display of key parameters
- Mattress tilt angle: ± 15 degrees, tilt knob on both sides

Thermal performance

- Baby (servo) temperature control: 34°C to 37.5°C in 0.1°C increments with override $>37^\circ\text{C}$
- Baby (servo) temperature display: 30°C to 42°C in 0.1°C increments with $\pm 0.3^\circ\text{C}$ accuracy
- Air temperature control: 20°C to 39°C in 0.1°C increments with override $>37^\circ\text{C}$
- Air temperature display: 15°C to 45°C in $.1^\circ\text{C}$ increments with $\pm 0.3^\circ\text{C}$ accuracy
- CO2 level: <0.3%
- Micro air intake filter: 99.8% efficiency
- Particle size removal: 0.3 micron
- Warm up time: < 30 minutes (Ambient 25°C , $37/39^\circ\text{C}$)
- Recovery from open portholes (2): 5 min
- Recovery from open door (1): <15 min
- Temperature overshoot: As per IEC, 60601-2-19 standard
- Temperature uniformity with a level mattress: $<0.6^\circ\text{C}$
- Correlation of the indicated air temperature to the actual incubator temperature: $\pm 1.0^\circ\text{C}$
- Air curtain: Yes, user selectable

Humidifier performance

- Reservoir capacity: 1000 mL
- Reservoir type: Transparent
- Humidification technology: Steam humidification
- Operating time between refills: 12 hours at 65% control setting at 36°C air mode at ambient condition of 25°C and 50% relative humidity (RH)
- Servo humidity control range: 30-95% RH in 1% increments
- Servo humidity display range: 5-99% RH in 1% increments, with $\pm 10\%$ accuracy and min 75% for setting $>85\%$
- Humidity display accuracy: $\pm 10\%$ RH (between 10% and 90% at 20°C to 40°C)
- Control accuracy: $\pm 10\%$
- Alarm: Water out alarm
- Ramp up time: ≤ 50 minutes for time to reach 75% RH with a 39°C control temp from cold start in 25°C , 50% RH room
- Recovery time: <15 minutes

Elevating base (optional)

- Floor to mattress height (range) for ebase: 810 mm to 1065mm
- Floor to top of display (range) for ebase: 1340 mm to 1595 mm

In-bed scale performance (optional)

- Accuracy:
 - Up to 2 kg:± 2 g
 - From 2 kg to 7 Kg :± 5 g
 - Up to 2 kg (Europe only): ± 5 g
 - From 5 kg to 7 kg (Europe only): ± 10 g
- Range: 300 g to 7 kg
- Resolution : 1 g

Servo oxygen control performance (optional)

- Control range: 21-65% with 1% increment
- Display range: 16% to 70% with ± 5% accuracy and 1% display resolution
- Rise time: <10 minutes from 5% below set point
- Recovery time from opening porthole: <= 5 minutes from closing porthole to 5% below set point
- Alarms: ±3% from set point
- Control Accuracy: ± 5%
- Inlet pressure maximum: 46 psi to 87 psi (320 kPa to 600 kPa)

Battery backup (optional)

- Backup period: 20 minutes
- Battery strength visual indicator on display: Yes

Operating environment

- Temperature: 20-30°C
- Humidity: 10-95% relative humidity (non-condensing)
- Altitude: MSL to 7,900 ft (2,408 m) or 755 hPa
- Air velocity: Up to 0.3 m/sec
- Water Ingress: IPXO

Device classification

- Protection class: Class 1, Type B, continuous operation
- Ingestion of liquids: IPXO

Accessories

- Accessory power source: Up to 20W for Lullaby LED PT

Service and maintenance

- Battery: 1 Kva
- Recommended calibration/preventive maintenance period: Annual
- Limited warranty: 1-year parts and labor warranty; 3-year parts only warranty

Storage / shipping information

- Temperature: -25 to 60C
- Humidity: <=85% relative humidity (non-condensing)
- Pressure: 50-106 kPa

SURGICAL & OPERATING ROOM

REPRESENTATIVE MANUFACTURER BROCHURES

- **Medtronic Surgical Energy / OR Essentials**

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Government contact: Nathaniel | 201-699-7719 | Nathaniel@orthomedspa.com

A photograph of two surgeons in an operating room, wearing blue scrubs, masks, and caps, focused on a surgical procedure. The background is slightly blurred, emphasizing the surgeons and their work.

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patient return electrodes

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electrosurgical device

VersaOne™
access system

Clarify™
visualization system

Stick to the
essentials
of OR safety

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.



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SituatTM detection system

Simplify OR safety

The SituatTM 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 SituatTM 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 SituatTM detection system is an adjunct to manual counting.

Medtronic

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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](#)



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†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

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visualization system

†Product introduction testing July-October 2015, 13 of 13 nurses interviewed
‡As compared to the Force Triad™ 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

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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.



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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](#)



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visualization system

^{††}Based on cannula diameter measurements

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



Medtronic

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†Results based on bench top testing

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everything you need to
optimize your OR.

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medtronicsolutions.com/essentials-of-OR-safety.

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

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SituatTMe detection system

Ordering information

SituatTMe delivery system

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

SituatTMe detection system

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

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

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Valleylab™ REM patient return electrodes

Ordering information

Patient return electrodes

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

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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



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

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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

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STERILE PROCESSING & INFECTION PREVENTION

REPRESENTATIVE MANUFACTURER BROCHURES

- **Tuttnauer Autoclave**
- **CS Medical TEEClean**

ORTHO MED SPA | Government Capabilities & Product Catalog

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HEALTHCARE LINE

3870HSG-WS

Pre & Post Vacuum Autoclave
85L / 22.5 Gallon Chamber



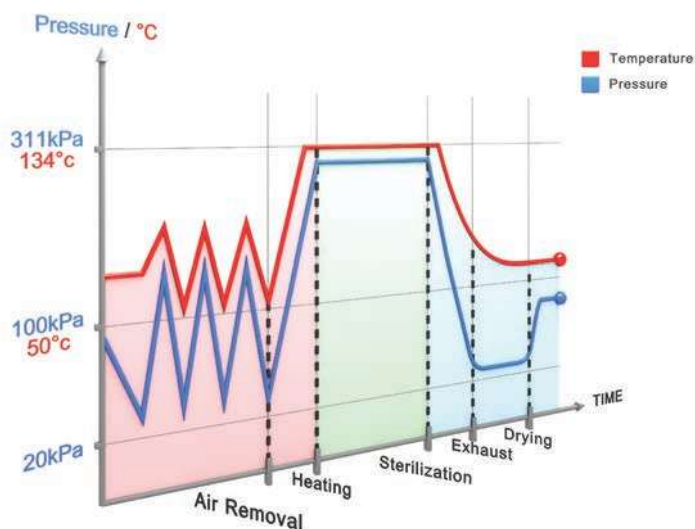
Economic Line

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



Digital Data on Your PC

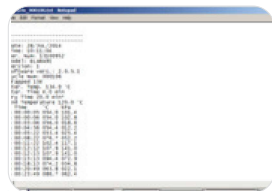
Save cycle data files on your PC with no additional software or specialized hardware



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.P.C.R Software

Automatic Recording of Cycle Information to Your PC

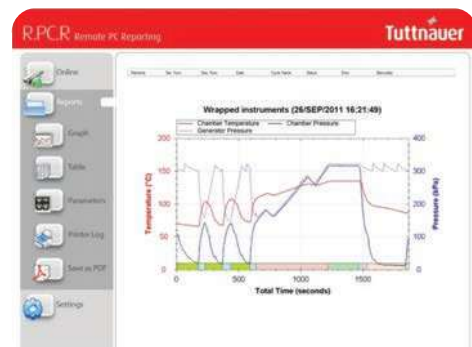
Reporting You Can Rely On

- 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

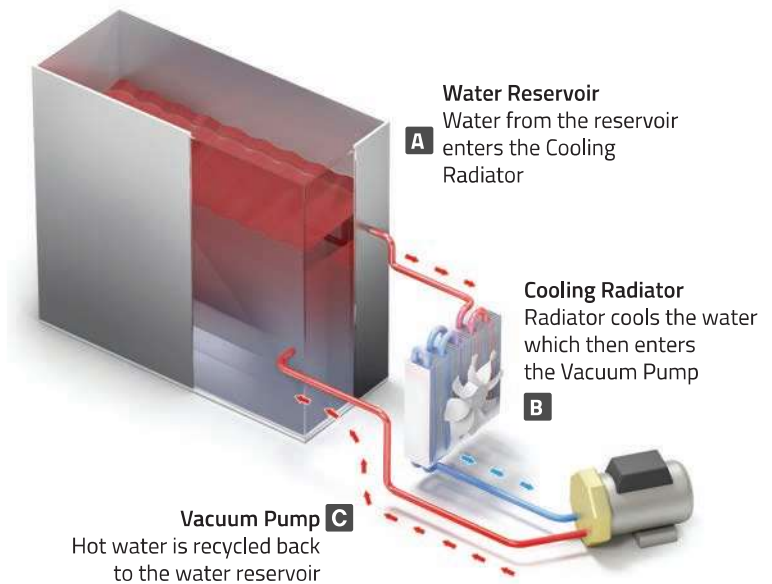
R.P.C.R Software is optional.



With R.P.C.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

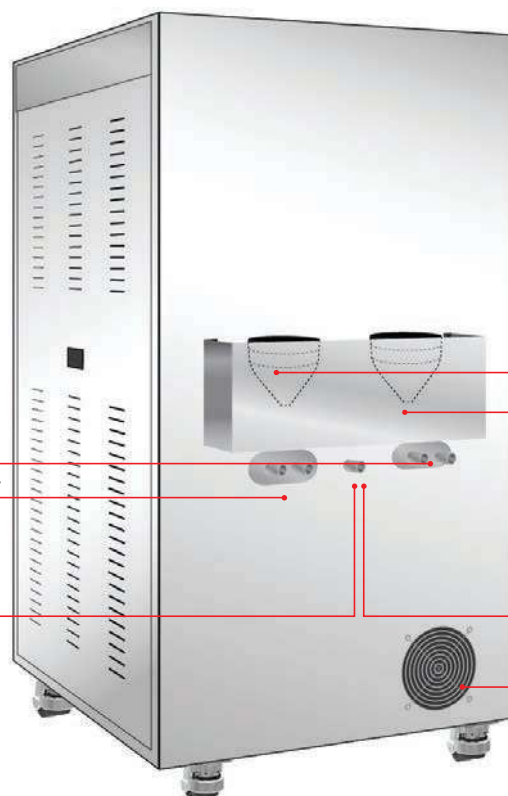
The HSG-WS comes with a standard "Plug and Play" option to operate only with an electric power connection. In this mode there is no need to connect the autoclave to the building utilities for distilled water, tap water and drain. With this option it is also possible to connect to utilities.

Dependent on Utilities

- Connection to tap water supply
- Connection to demineralized water supply
- Drain connection to building drain

Independent of Utilities

- Tap water reservoir funnel
- Demineralized water reservoir funnel
- Tap for manual draining
- Water saving system radiator



(Back of autoclave)

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


Tuttnauer
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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

www.csmedicalllc.com

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

U.S. Patent No. 10,238,760

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:
_____
_____
```



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REHABILITATION, MOBILITY & ORTHOPEDICS

REPRESENTATIVE MANUFACTURER BROCHURES

- **VenaFlow Elite**
- **Raz Design Mobility / Rehab**

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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 VENAFLOW® 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

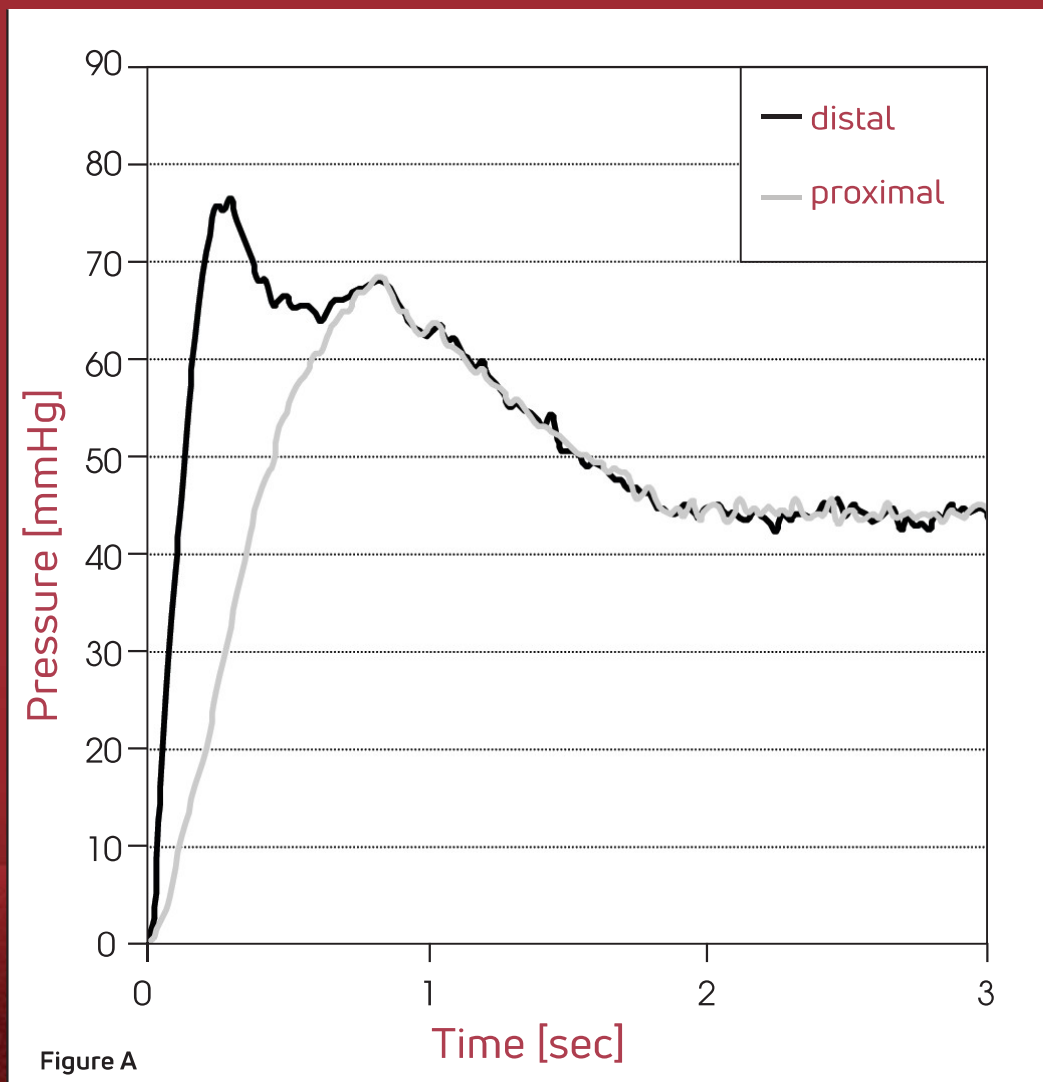
EISELE

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



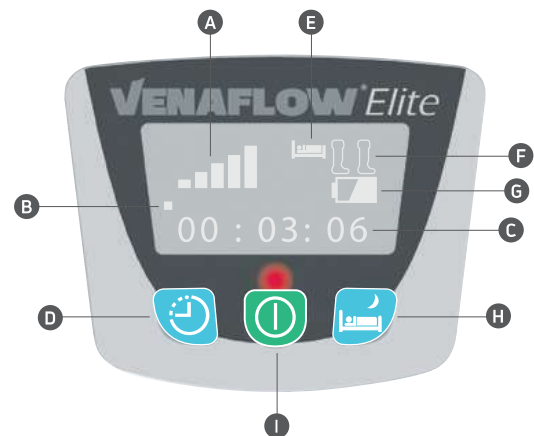
LABROPOULOS

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

B: First 3 minutes
(ramp up) indicator

C: Patient Compliance
counter

D: Patient Compliance
counter reset push
button

E: S-Mode Operation
indicator

F: Single/Dual Leg
operation indicator

G: Battery Indicator
**Note: Not all VenaFlow
Elite Systems contain a
battery*

H: S-Mode Operation
button

I: ON/OFF/RESET
push button

POSITIONING THE VENAFLOW CUFF

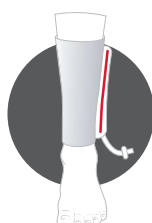
VENAFLOW ELITE HELPS PROVIDE ASYMMETRIC COMPRESSION

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

POSTERIOR



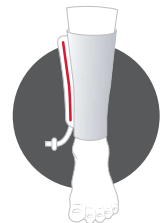
LATERAL



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

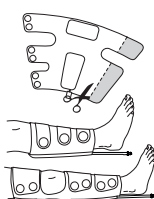
The VenaFlow Elite system will automatically detect the type of cuff and the number of cuffs attached and apply appropriate pressures. Cuffs must be attached prior to powering on the service.

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).



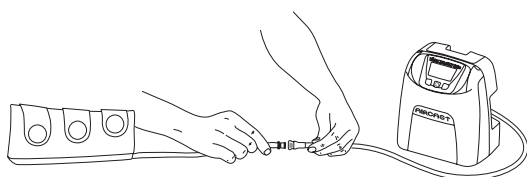
FOOT CUFF

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[™]

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MKT00-8739 Rev C

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* 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.



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.



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



Adjustable Axle Plate and Backrest Mounting Plates on SP600

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.

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.



34"W AP600

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 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.



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

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



Weight Capacity

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

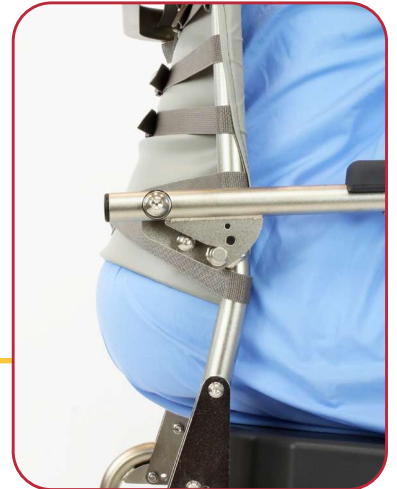


Transferring Into a Raz-AT600

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 handdrums 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, Matrix Seating
for suggesting the name **RazBari**



RSD067r00 Rev. Date: 2020-09-0

LABORATORY, PATHOLOGY & SPECIALTY SYSTEMS

REPRESENTATIVE MANUFACTURER BROCHURES

- **Labconco Biosafety Cabinet**
- **Microtome**

ORTHO MED SPA | Government Capabilities & Product Catalog

Government contact: Nathaniel | 201-699-7719 | Nathaniel@orthomedspa.com



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**

* NSF® is a registered trademark of NSF International, Ann Arbor, MI.

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

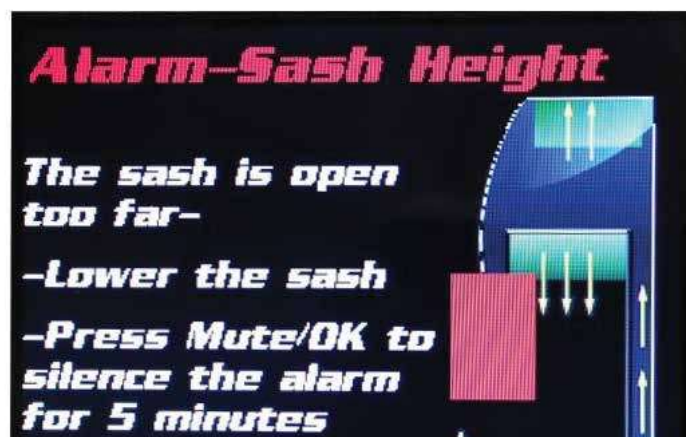
The most important reason to choose the Purifier Logic+ is safety. You simply won't find another biosafety cabinet with a more comprehensive safety package than the Logic+. Purifier Logic+ Biosafety Cabinets meet or exceed all minimum requirements set by NSF International including 99.99% efficient HEPA 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.

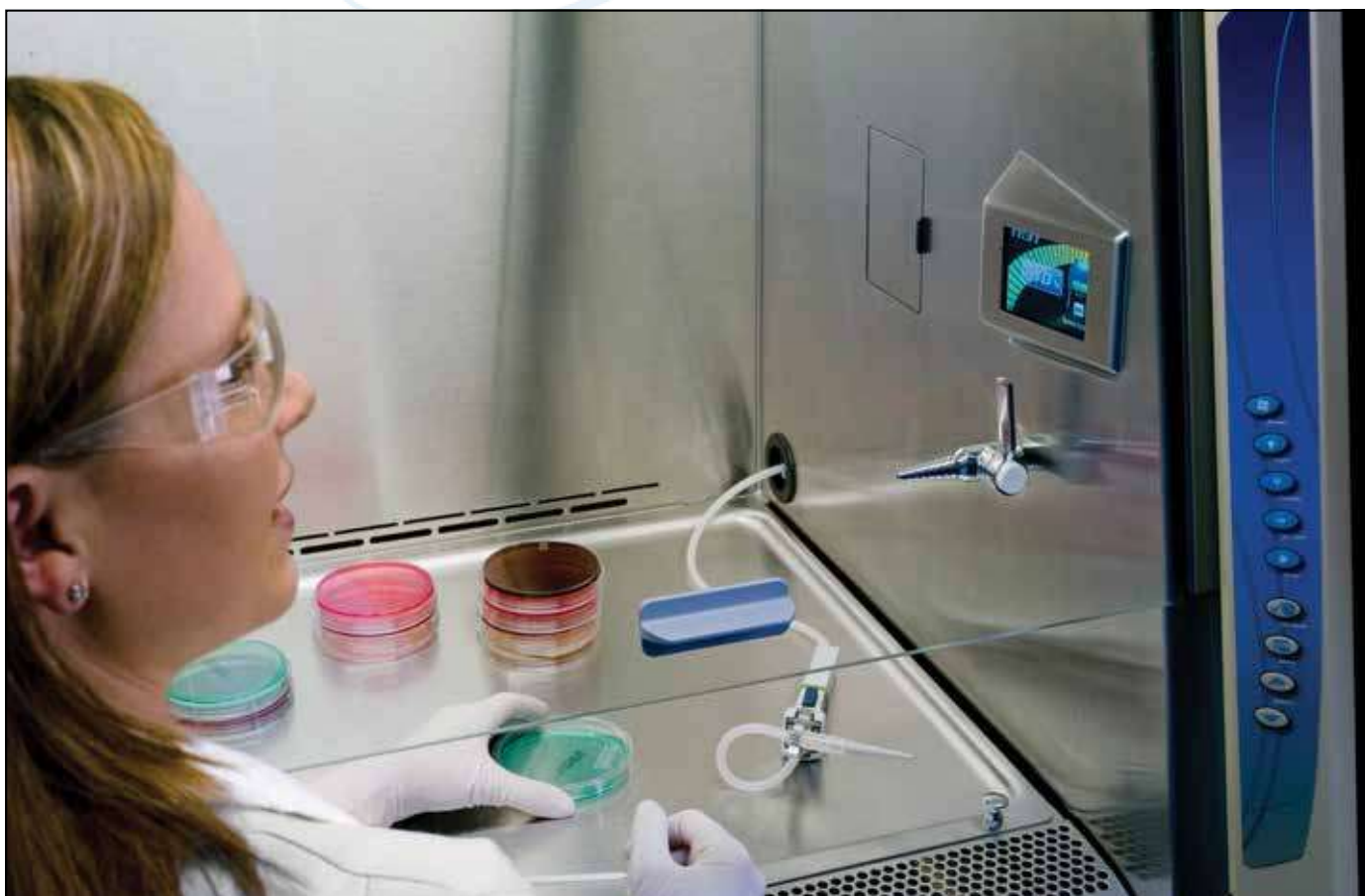
Safety Features & Benefits:

- **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.



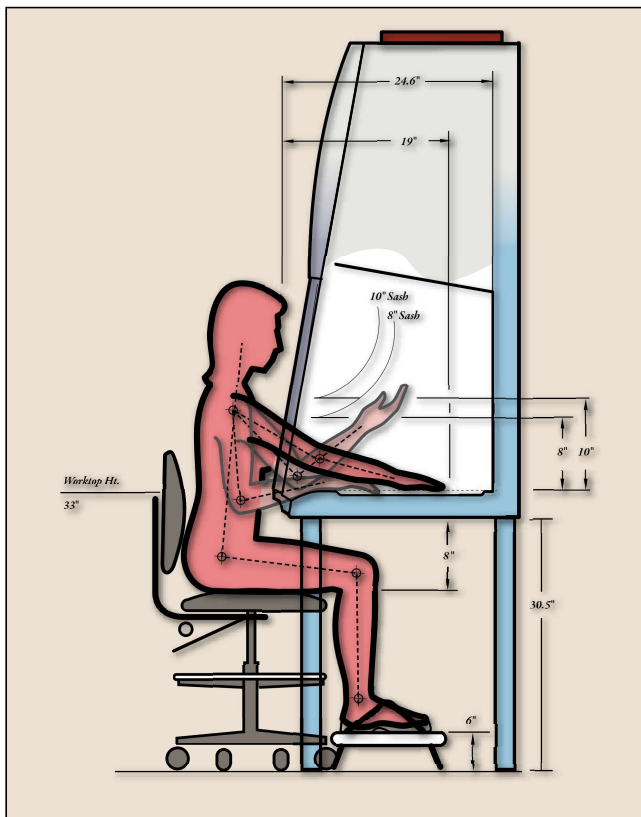
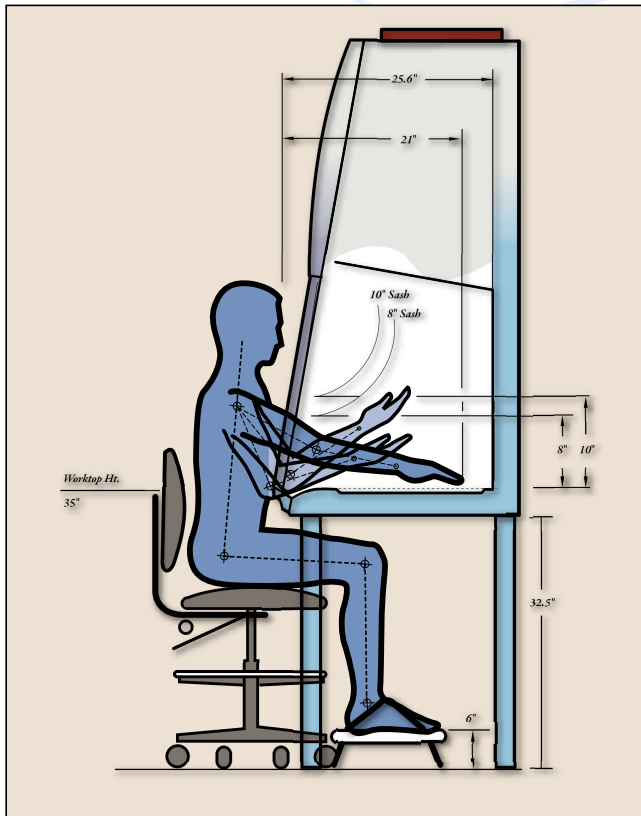
Unobtrusive lift knobs on the front corners of the dished stainless steel work surface allow it to be quickly lifted for cleaning.



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



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.

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.

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.



Room Air



HEPA-Filtered Air



Unfiltered Air under
Negative Pressure



Unfiltered Air under
Positive Pressure

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 x27cm) 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.

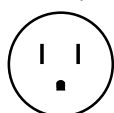
- 0 = None
- 1 = Includes an non-welded telescoping base stand shipped with the cabinet.

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

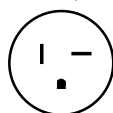
Electrical Receptacle & Plug Configurations

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*



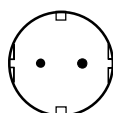
For Catalog
Numbers ending
in 00 & 20

North America,
230 volts



For Catalog
Numbers
ending in 10

Schuko,
230 volts



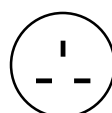
For Catalog
Numbers
ending in 30

China/Australia,
230 volts



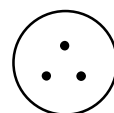
For Catalog
Numbers
ending in 40

British (UK),
230 volts



For Catalog
Numbers
ending in 50

India, 230 volts



For Catalog
Numbers
ending in 70

Technical Specifications

Nominal Width	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.

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

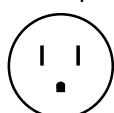
40 = China/Australia, 230 volts

50 = British (UK), 230 volts

70 = India, 230 volts

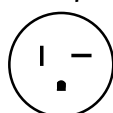
Electrical Receptacle & Plug Configurations

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*



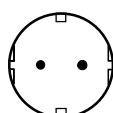
For Catalog
Numbers ending
in 00 & 20

North America,
230 volts



For Catalog
Numbers
ending in 10

Schuko,
230 volts



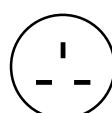
For Catalog
Numbers
ending in 30

China/Australia,
230 volts



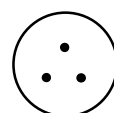
For Catalog
Numbers
ending in 40

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

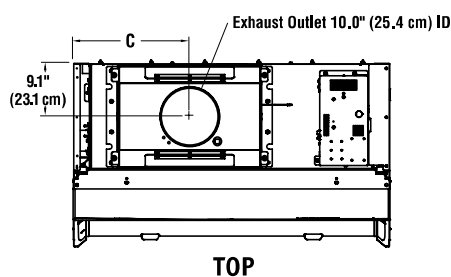
♿ Complies with Americans with Disabilities Act Standard for height of controls and receptacles

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

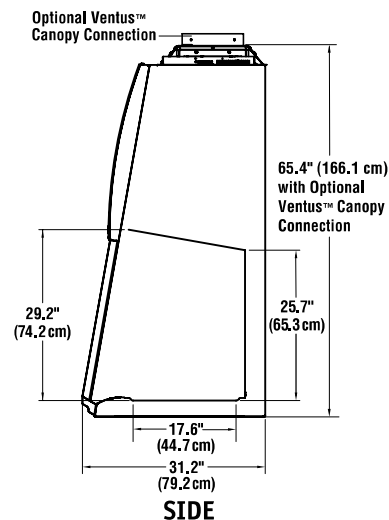
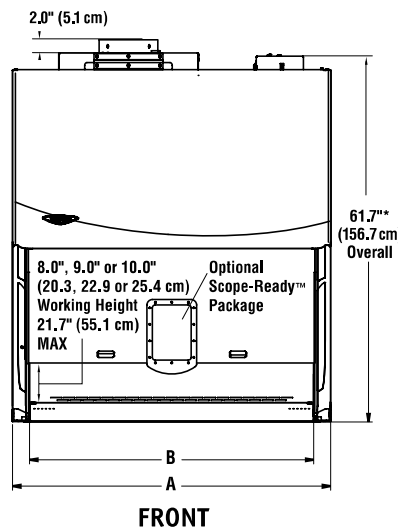
PURIFIER® LOGIC+ CLASS II, BIOSAFETY CABINETS

DIMENSIONAL DATA

Class II, Type A2



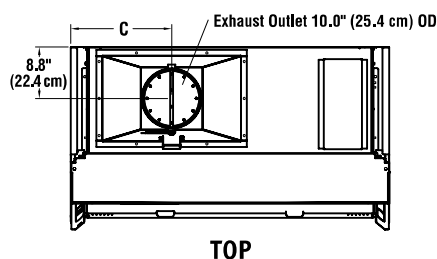
Nominal Width	A Inches/cm	B Inches/cm	C Inches/cm
3'	42.3/107.4	36.5/92.7	13.6/34.5
4'	54.3/137.9	48.5/123.2	19.9/50.5
5'	66.3/168.4	60.5/153.7	26.9/68.3
6'	78.3/198.9	72.5/184.2	32.9/83.6



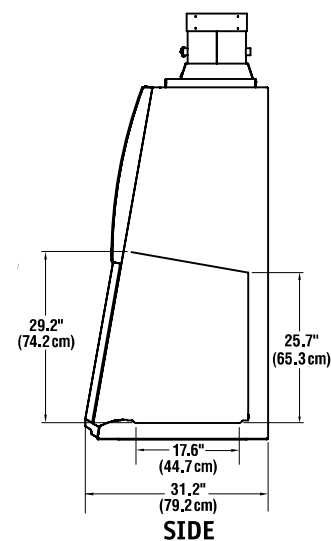
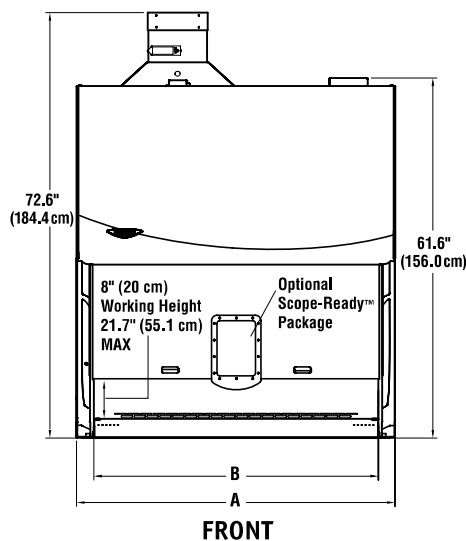
Sash opening working height varies. All Purifier Cell Logic+ Class II, Type A2 Biosafety Cabinets have a 9.0" working height. Remaining cabinets have either an 8.0" or 10.0" working height depending on the model.

*Exhaust collar is 2.0" high (5.0 cm).

Class II, Type B2

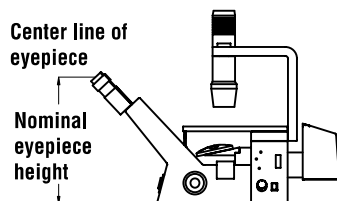


Nominal Width	A	B	C
4'	54.3" (137.9 cm)	48.5" (123.2 cm)	17.2" (43.7 cm)
6'	78.3" (198.9 cm)	72.5" (184.2 cm)	28.9" (73.4 cm)

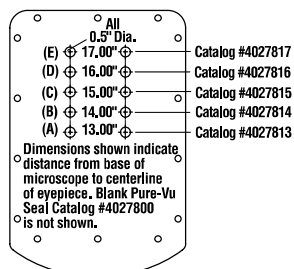


Select the Pure-Vu™ Seal that's right for you.

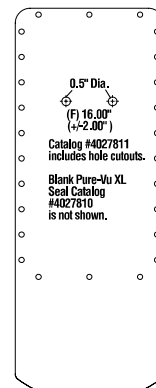
1. To determine placement of the cutouts, measure from the centerline of the eyepieces to the base of your microscope.



2. For inverted scopes with relatively stationary eyepiece height, select a Pure-Vu Seal corresponding with the nominal eyepiece height in the drawing below.



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.



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

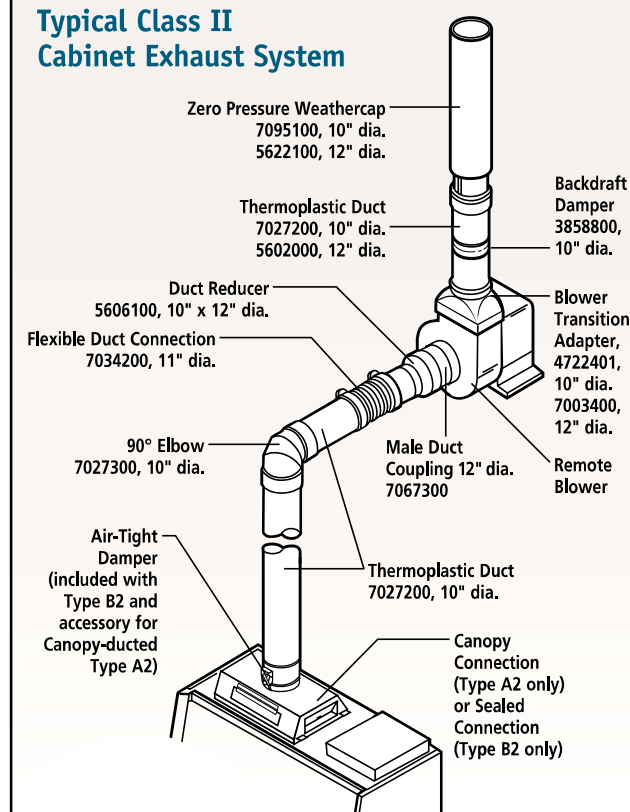
Mounts in vertical duct run to prevent reverse pressurization of the exhaust system. 3.0" (8 cm) high with 10" (25.4 cm) diameter OD inlet and outlet. Shipping weight 5 lbs. (2 kg)

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)

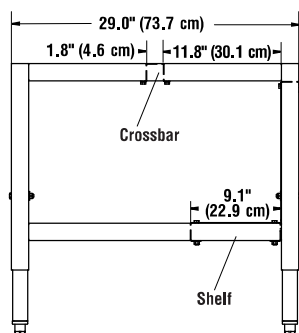
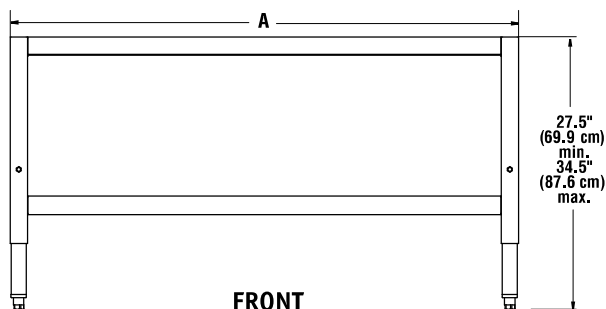
These stands have telescoping legs so that they may be adjusted to eight height positions.*

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

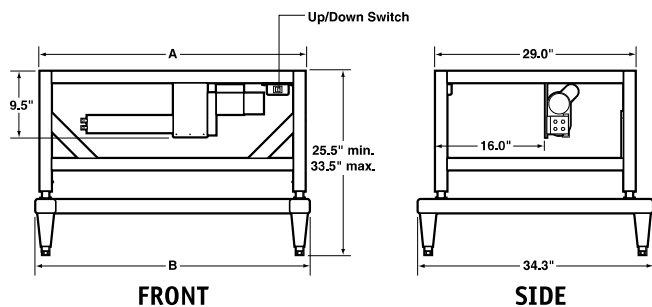
These stands have a built-in hydraulic lift so that height may be adjusted at any time. They allow the user to position the stand and the safety cabinet it supports to accommodate persons of different heights and wheelchair-bound users, to transport equipment through doorways, and for easier access to services.

Standard Features

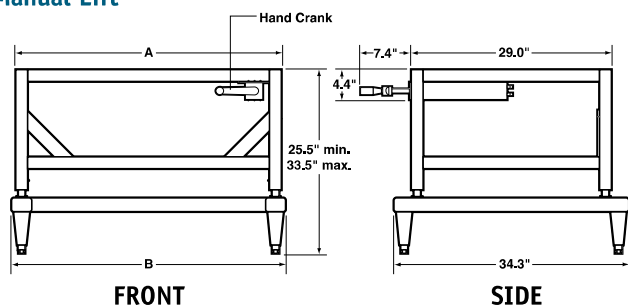
- Meet NSF Standard for stability and construction.
- Support Purifier Logic Biosafety Cabinets.
- Support loads up to 1000 pounds.
- ADA-compliant.
- Durable 1.75" (4.4 cm) tubular, epoxy-coated steel frame with rear crossbar supports. Sub-frame has 2.0" (5.1 cm) x 3.0" (7.6 cm) rectangular tubing.
- 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

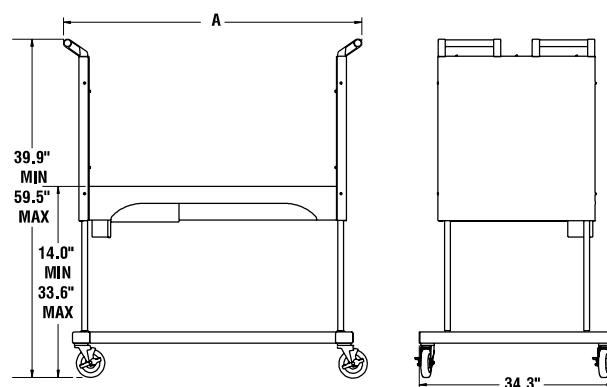
SoLo™ Hydraulic Lift Base Stands are specifically designed to support Purifier Logic+ and Cell Logic+ Class II, Type A2 Biosafety Cabinets. The hydraulic lift system permits the stand to be lowered allowing the safety cabinet to be rolled through standard doorways as low as 78" (198 cm) high. Casters 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"	3780336†	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)



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



MEDICAL CARTS, STORAGE & FACILITY SOLUTIONS

REPRESENTATIVE MANUFACTURER BROCHURES

- **Waterloo Aluminum Medical Carts**

ORTHO MED SPA | Government Capabilities & Product Catalog

Government contact: Nathaniel | 201-699-7719 | Nathaniel@orthomedspa.com



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!**



CUTAWAY PLASTIC TOP

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

DUAL SLIDE OUT SHELVES

Effectively doubles work 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!