

MEDICAL & PHARMACY EQUIPMENT



Low-Cost Solutions for High Technology

USP-797 CLEANROOMS

Compounding ISO 5
Laminar Flow Hood
(Primary Engineering
Control) #1695-41

Compounding Aseptic
Isolator #2900-46C

- Modular Compounding Cleanrooms**
- Turnkey systems designed for USP-797 compliance
 - FM-approved FRP or C-PVC panels
 - Includes ISO 8 anteroom, ISO 7 buffer room
 - Shown: Custom Size (10' x 10' buffer room)



Stainless Steel Window Stainless Steel Door Fan Filter Status Light

USP-797 Compounding Cleanrooms*		7-ft Ceiling Height		8-ft Ceiling Height	
Panel Type	Dimensions L x W nominal ft.	Cat. #	S/Each	Cat. #	S/Each
BioSafe Class C FRP Panels	8 x 6	2900-52C	13,300	2900-71	13,650
BioSafe Class C FRP Panels	10 x 6	2900-53C	14,200	2900-72	14,600
BioSafe Class A FRP Panels* Certified ISO 5 compatible	8 x 6	2900-54C	13,950	2900-73	14,300
BioSafe Class A FRP Panels* Certified ISO 5 compatible	10 x 6	2900-55C	15,000	2900-74	15,400
BioSafe C-PVC Panels Certified ISO 5 compatible	8 x 6	2900-81	14,420	2900-83	15,640
BioSafe C-PVC Panels Certified ISO 5 compatible	10 x 6	2900-82	14,770	2900-84	16,040

* Includes (3) filter/fan units, (1) fluorescent light, (2) Magnehelic® gauges, air speed gauge, internal swing door, 115V/60Hz duplex outlet, and external swing door



Class A FRP and C-PVC panels are
Factory Mutual (FM) approved.

Contact Terra at 714-578-6100 about
USP 800-compliant custom cleanrooms
for processing of hazardous drugs.

Terra's USP-797 Compounding Cleanrooms exceed the ISO 7 requirements of USP-797, making them ideal for compounding sterile injectables and other critical operations. Select between standard floor plans, or specify a custom dimension. All models feature entry doors and internal partitions that separate the antechamber for personnel gowning or product staging. Models are available with FRP or C-PVC panel options.

- Includes three HEPA filter/fan units that provide a total of 1950 CFM (3315 m³/hr.) of 99.99% particle-free air (measured at 0.3 µm diameter)
- Powder-coated steel support frame creates a sturdy and rigid structure that needs no external bracing or ceiling support
- BioSafe® interior Fiberglass-Reinforced Plastic (FRP) or C-PVC panels resist damage from physical contact and stand up to IPA and other sterilizing agents
- Class C FRP panels meet ISO 7 (Class 10,000) standards
- Class A FRP panels perform to ISO 5 (Class 100) cleanliness requirements, and are Factory Mutual (FM) approved
- C-PVC panels meet ISO 5 requirements and are FM approved
- Turnkey system controls submicron particles for a contamination-free compounding environment
- Separate gowning ante-room meets USP-797 regulations
- Standard dimensions easily accommodate glove boxes or ISO 5 hood (Primary Engineering Control)

USP-797 Compounding Cleanrooms do not include floors; they are designed for installation on a flat, sealed, non-particulating, crevice-free surface, which can be caulked to the clean room frame to form a seal.

Dual Magnehelic® pressure gauges, located on the outer control panel, monitor the cascading pressure levels in the anteroom and main room, simplifying USP-797 certification.

FRP Panel Option

Class A BioSafe interior panels are the only FRP wall panels certified to ISO 5 standards and FM approved for increased safety and fire hazard protection.

Class A and C FRP panels feature a unique advanced polymer non-outgassing adhesive for installation on drywall or other substrates. A specialized seam sealant provides trim-free seams that expand and contract to accommodate temperature-induced dimensional changes without creating cracks or gaps. A patented surfacing technology seals panels uniformly to enhance durability and prevent particle emission and microbial growth.

FRP Panel Specifications

Composition: Random chopped fiberglass in a modified polyester copolymer resin mix, with smooth finish and proprietary surface seal

Thickness: 0.075" (1.9 mm)

Total VOC: 22.16 ppb (Methyl methacrylate): 1.66 ppb (ISO 16000-9), FDA and USDA approved

Color: White

BioSafe® FRP Wall Panel Certifications*

- Particle emission ISO Class 5 – 8 per ISO 14644-1 (Class A FRP)
 - Meets USDA/FSIS (US Dept. of Agriculture/Food Safety Inspection Service) requirements
 - Does not support mold or mildew (per ASTM D3273 and ASTM D3274)
 - Meets minimum requirements of major model building codes for Class A interior wall and ceiling finishes of flame spread ≤ 25 , smoke developed 450 or less (per ASTM E-84)
 - Meets requirements of ASTM D5319 for Classification Class A / Grade 5 (refers to standard specifications for materials, workmanship and physical requirements)
 - Factory Mutual (FM) Approved under FM Research Approved FRP, Class 1 Interior Finish Material in accordance with FM Research with Canada and the United States Approval Standard 4880
 - Biological resistance rating of 0 – excellence per ISO 846
- * ISO 5 and FM ratings apply to Class A FRP panels.



Air conditioning modules available—[click here for pricing](#)

Optional stainless steel windows feature smooth interiors, free of fasteners, for easy cleaning.



BioSafe Ceiling Grid supports fan/filter units, lights and ceiling panels without the need for external supports or suspensions.

C-PVC Panel Option

Cleanroom chlorinated polyvinyl chloride (C-PVC) wall panels are tested and certified to meet ISO 5 – 8 cleanliness standards. These compressed panels have excellent chemical resistance and prevent particle emission and microbial growth.

Their unique solvent-free silicone adhesive allows installation on wallboard substrate creating a strong, rigid structure when mounted to Terra's steel frame. Welded seams provide trim-free seams, without cracks or gaps. Optional PVC coving is available for floors and corners to further simplify cleaning.

BioSafe Cleanroom C-PVC Wall Panel Certifications

- Particle emission ISO Class 5 – 8 per ISO 14644-1
- Factory Mutual (FM) approved for class 4882, Plastic Interior Wall Finish Material for use in Smoke Sensitive Occupancies*
- American Society of Testing and Materials (ASTM) E-84: Test for surface burning characteristics of building materials
- ASTM D 638: Standard test method for tensile properties of plastics
- ASTM D 790: Test methods for flexural properties of unreinforced and reinforced plastics and the electrical insulating materials
- ASTM D 256: Test methods for determining the izod pendulum impact resistance of plastics
- ASTM D 648: Test method for deflection temperature of plastics under flexural load in the edgewise position

* Certified only for installation onto walls less than 30-feet high using BioSafe C-PVC installation materials.

Click [here](#) to view the online product page.

ValuLine™ WASTE RECEPTACLES



- No-spring foot pedal design for hands-free disposal
- Suitable for use in cleanroom environments
- Made with 304 non-magnetic stainless steel
- Tight-fitting gasketed lid eliminates particle outflow
- Bottom legs raise receptacles 0.75" to minimize particle accumulation
- All models comply with OSHA requirements; all models are Factory Mutual Systems (FM) approved and UL listed except #1456-00

ValuLine™ Waste Receptacles				Corresponding Rigid Liner	
Type	Capacity Gallons	Dimensions W" x D" x H"	Cat. #	S/Each	S/Each
A	3.5	11 dia. x 17	1456-00	334.00	56.00
B	7	12 x 12 x 17	1456-01	518.00	60.00
C	12	12 x 12 x 23	1456-02	611.00	73.00
D	24	15 x 15 x 30	1456-03	823.00	80.00
E	40	19 x 19 x 30	1456-04	1,058.00	102.00

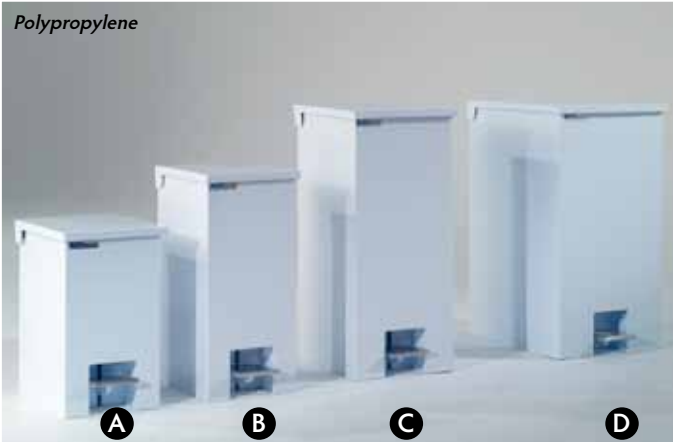


Rigid Liners
Reusable plastic liners made of polypropylene or low-density polyethylene; liners treated with EPA-registered compound.

Each item comes with one rigid plastic liner; replacement liners are packaged one per carton

BIOSAFE® WASTE RECEPTACLES

Advanced Features for critical cleanroom requirements!



Terra's BioSafe Waste Receptacles have a soft-close quiet mechanism and an easy-open foot-pedal for hands-free dispensing. The contoured tight-fitting lid ensures safe and clean disposal. Models come with rigid, durable plastic liner for easy cleaning. Click [here](#) to view Wheeled Cleanroom Waste Receptacles with Foot Pedal and compatible accessories.

BioSafe Cleanroom Waste Receptacles							
Type	Capacity (Gallons)	Dimensions W" x D" x H"	Electropolished 304 Stainless Steel		Electropolished 316 Stainless Steel		Polypropylene
			Cat. #	S/Each	Cat. #	S/Each	Cat. # S/Each
A	7	12 x 12 x 17	1456-16B	782.00	1456-16B-316	807.00	1456-25A 629.00
B	12	12 x 12 x 23	1456-17B	1,006.00	1456-17B-316	1,237.00	1456-26A 767.00
C	24	15 x 15 x 30	1456-18B	1,162.00	1456-18B-316	1,429.00	1456-27A 879.00
D	40	19 x 19 x 30	1456-19B	1,552.00	1456-19B-316	1,909.00	1456-28A 1,047.00

CLEAN-ZONE FLOOR COVERINGS

These cleanroom floor coverings by Dycem remove the finest particles of foot-borne contamination without any tack carry-over or damage to shoe covers.

- Removes contaminating particles from shoes and wheels
- Non-toxic, chemical resistant material tolerates heavy loads and is not affected by X-rays and gamma rays
- Prevents growth of common bacteria (tested on cultures of *Pseudomonas Aeruginosa* and *Staphylococcus Aureus*)
- Coefficient of Friction: 3.5μ, using "Tortus" floor friction tester
- Heat Resistance: 32°F to 122°F (0°C to 50°C)
- Load Resistance: 570 lbs./sq. in. using a 4000 kg track on 4 wheels, each contact area being 25 sq. cm
- No evidence of erythema, edema or other skin reaction after 48-hour period of constant contact
- Easy to clean with a detergent solution and squeegee
- Includes flooring adhesive and a seam sealer kit
- Click [here](#) to view product page online



	Clean-Zone: Standard (Non-dissipative)				Clean-Zone: Standard (Non-dissipative)				Clean-Zone: Static Dissipative*			
Size ft.*	Blue		Grey		Red		Green		Blue		Grey	
	Cat. #	S/Each	Cat. #	S/Each	Cat. #	S/Each	Cat. #	S/Each	Cat. #	S/Each	Cat. #	S/Each
10' x 6'6"	3801-00	3,421.00	3801-01	3,421.00	3801-02	3,421.00	3801-03	3,421.00	3801-16	3,373.00	3801-17	3,373.00
20' x 6'6"	3801-04	6,132.00	3801-05	6,132.00	3801-06	6,132.00	3801-07	6,132.00	3801-18	6,745.00	3801-19	6,745.00
30' x 6'6"	3801-08	9,198.00	3801-09	9,198.00	3801-10	9,198.00	3801-11	9,198.00	3801-20	10,118.00	3801-21	10,118.00
40' x 6'6"	3801-12	12,264.00	3801-13	12,264.00	3801-14	12,264.00	3801-15	12,264.00	3801-22	13,490.00	3801-23	13,490.00

* Runner sizes above. Also available in mats and for wall-to-wall installation

Crystalline Series SD Vinyl

- Ideal KV rating for use in health care or R&D cleanroom
- Can be seam welded flash coved to create hospital-grade cleanroom floor covering
- Antimicrobial agents inhibit growth of MRSA on flooring
- Meets multiple static-control industry standards, including ANSI ESK S20.20, FAA O19E and NFPA 99

Call Terra for a quotation on this and other cleanroom-compatible flooring options. All are easy to keep clean with a regular maintenance program and come with a lifetime warranty on static-control properties. Installation services available.

LAVATORY SINKS

Eagle Group Freestanding units feature a marine edge and gooseneck spout faucet, soap dispenser and basket drain. Units are available with foot valve or electronic-eye sensor operation.

- Made with heavy gauge 304 stainless steel all-welded construction
- Bowl Dimensions: 15.75"W x 19.75"D x 8.875"H
- Overall Dimensions: 23"W x 24.312"D
- Sump: 4.75" diameter
- Marine edge feature retards spillage
- Basket-type waste drain fits sink bowls with a 3.5" opening and features a 1.5" outlet
- Splash-mount gooseneck dispenser

Lavatory Sinks with Marine Edge		
Spout Faucet Operation	Cat. #	S/Each
Foot Valve	1372-90	1,318.00
Electronic-Eye Sensor	1372-91	1,765.00

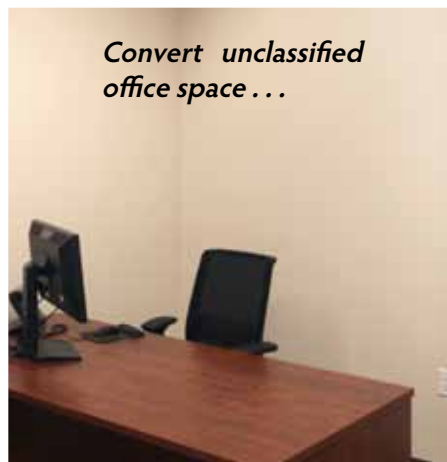


Foot Valve



Electronic-Eye Sensor

BIOSAFE® CLEANROOM CONVERSION SYSTEM



Convert unclassified office space . . .



FM
APPROVED
Class A FRP and C-PVC
panels are Factory Mutual
(FM) approved.

. . . into an ISO 5 – 8 cleanroom!

The Biosafe® Cleanroom Conversion System is an ideal solution for universities, government laboratories and other facilities looking to convert a standard office or other unclassified space into an ISO 5 – 8 cleanroom. Models are custom quoted according to your specification.

Unique Three-Part System Includes:

- Modular ceiling grid
- BioSafe Cleanroom Wall System (FRP or C-PVC panels)
- Various flooring and other options to meet your cleanliness requirements

Ceiling Grids: Rigid, all-steel interlocking and self-supporting meets ISO 5 – 8 requirements. Mounts directly to existing wall or rest on top of walls with no ceiling. Extends up to 20 feet without the need for internal support columns or ceiling suspension wires.

Cleanroom Wall System: Made of FRP or C-PVC. Mounts to any wall type (also accommodates USP-797 Compounding Cleanrooms) See details on page 2.

Room-Side Replaceable Fan/Filter Unit: Available with HEPA and ULPA filters.

Cleanroom Lighting: Available in LED strips or fluorescent ceiling modules.

Pass-Throughs and Air Showers: Reduces cross contamination.

Cleanroom Doors: Available in Aluminum Frame Swing Door, Aluminum Frame Sliding Door and Stainless Steel Swing Doors.

Service Outlets: For installation of electrical and vacuum/gas utility outlets.

Terra provides complete pre-sale and after-sale support. Call Terra for complete quotations including drawings (if applicable) and manufacturing time.

Installation:

Terra can also install your BioSafe Cleanroom Conversion System and perform a seismic analysis, or provide installation support for local contractors.

[View](#) online product page..



Easy to clean and sterilize contamination-free processing environment for bio-pharmaceutical and other operations.



Economical design maintains ISO 5 – 8 conditions.

BIOSAFE FRP/C-PVC MODULAR CLEANROOMS

Features HEPA or ULPA fan/filter units; status indicator lights, ceiling panels in choice of polypropylene, acrylic or fire-safe steel, fluorescent or LED lights, display panel, choice of swing door or infrared-activated fast-response sliding doors, choice of internal wall panels (FM-approved FRP or C-PVC: see page 2 for details), all-steel ceiling grid with welded or interlocking BioSafe design. Free-standing structure requires no external bracing or ceiling suspension. [View](#) online product page.

HYBRID CLEANROOM

This cleanroom combines several design features of Terra's other models. Like standard hardwall cleanrooms, it features ceiling HEPA fan/filter units that meet ISO 5-8 cleanliness standards and maintains internal positive pressure that prevent particle influx. Its anti-static vinyl panels form a smooth interior, like those of a BioSafe Cleanroom, that can be wiped clean and sterilized, making it suitable for bio/pharmaceutical applications. And, like Terra's softwall rooms, it provides cleanroom performance at low cost. Call to discuss your application. [View](#) online product page.

CLEANSEAM+™ 304 STAINLESS STEEL PASS-THROUGH CHAMBERS

The CleanSeam+ Pass-Through provides the optimal transfer chamber for the broadest range of critical applications, including cleanliness requirements to ISO 4 and bio/pharmaceutical operations that require frequent cleaning and sterilization.

- Mounts to any wall thicker than 2" without special hardware—installs in under three minutes!
- Integral clean-side bracket seals flush to wall without fasteners or caulking
- Unique folded design features 12 rounded corners with no cracks; ideal for strict cleaning protocol
- Electropolished 304/316 chamber and hardware eliminate surface contaminants and irregularities
- Interlock prevents cross-contamination—rated for millions of operations
- Stainless steel-reinforced, double-wall static-dissipative PVC viewing windows



CleanSeam 304 Stainless Steel Pass-Throughs*					
Mount Type	Dimensions* W" x D" x H"	Electropolished 304 SS**		Electropolished 316 SS**	
		Cat. #	\$/Each	Cat. #	\$/Each
Wall	12 x 12 x 12	2636-01E-2	3,465.00	2636-01-E-2-316	3,691.00
	12 x 12 x 24	2636-02E-2	4,383.00	2636-02-E-2-316	5,075.00
	18 x 18 x 16	2636-03E-2	4,772.00	2636-03-E-2-316	5,445.00
	18 x 18 x 24	2636-04E-2	4,960.00	2636-04-E-2-316	6,043.00
	24 x 24 x 16	2636-05E-2	5,531.00	2636-05-E-2-316	6,662.00
	24 x 24 x 24	2636-06E-2	6,115.00	2636-06-E-2-316	7,141.00
	24 x 36 x 24	2636-07E-2	7,822.00	2636-07-E-2-316	8,095.00
	36 x 36 x 24	2636-08E-2	8,761.00	2636-08-E-2-316	10,524.00
	24 x 24 x 36	2636-09E-2	7,960.00	2636-09-E-2-316	8,443.00
	24 x 24 x 48	2636-16E-2	7,864.00	2636-16-E-2-316	9,542.00
	36 x 36 x 36	2636-10E-2	9,491.00	2636-10-E-2-316	11,411.00
Floor	36 x 36 x 48	2636-11E-2	9,684.00	2636-11-E-2-316	12,279.00
	24 x 24 x 36	2636-12E-2	8,667.00	2636-12-E-2-316	9,904.00
	36 x 36 x 36	2636-13E-2	10,064.00	2636-13-E-2-316	11,996.00
	36 x 36 x 48	2636-14E-2	11,767.00	2636-14-E-2-316	13,734.00

* Add .5" to W x H for cut-out ** Windows are dissipative PVC



Unique design hugs the wall to eliminate dusty surfaces!

Why is Electropolishing Critical?

- Removes iron and other surface impurities that cause corrosion
- Draws chromium and nickel to form a hard, protective finish
- Removes irregularities (pits and burrs) for an ultra-smooth surface that's easy to clean

More on Terra's [electropolishing procedures](#) ...

Resources for Architects and Builders



Click [here](#) to view online product page including access to 3-part specs and BIM objects.

PASS-THROUGH TRANSACTION WINDOWS and DRAWERS



These service windows provide safety and efficiency. Models are ideal for use in reception areas or between adjoining labs or offices.

- Frames are made of stainless steel for durability
- Secure windows are made of 1/2" tempered glass
- Click [here](#) to visit the online product page

A. Transaction Drawer: Allows transfer of paperwork, and small packages

B. Transaction Window: (shown) Includes 7" deep writing shelf

C. Transaction Tray: (not shown) Slim opening below the 1/2" tempered glass window; shelves on each side can be used as a writing surface



Sliding Door Model



Swing Door Model

Model	Nominal Max. Outside Dims W" x D" x H"	Standard Model	Bullet-Proof Models 1" Acrylic Window
		Cat. #	\$/Each
Transaction Drawer	17 x 10.75 x 19	5050-60	1,334.00
Transaction Window	21.75 W x 23 H	5050-62	380.00
Transaction Tray	18.25 x 7 x 21.5	5050-61	1,015.00

Pass-Through Convenience Window with Swing Door				
Window Dims W" x H"	Glass Swing Door*		Polypropylene Swing Door	
	Cat. #	\$/Each	Cat. #	\$/Each
Wall-Mount				
12 x 12	1702-70	1,386.00	1702-91	1,386.00
18 x 24	1702-71	1,984.00	1702-92	1,984.00
24 x 24	1702-72	2,446.00	1702-93	2,446.00
24 x 36	1702-73	3,184.00	1702-94	3,184.00
Floor Mount				
36 x 36	1702-74	4,026.00	1702-95	4,026.00
36 x 48	1702-75	4,707.00	1702-96	4,707.00

* Swing door comes with stainless steel frame and shelf

PUREDRY™ CLEANROOM HAND AND GLOVE DRYER

- Microfilters capture sub-micron particles to reduce contamination and germs that can spread infection
- Also ideal for drying tools, bottles, microelectronic components and other small particle-sensitive materials
- ULPA (Ultra Low Penetration Air) filter—ISO 5 compatible
- Insulation and motor isolation reduce noise
- Brushless motor eliminates carbon contaminants for ultra-clean operation



Germ-Free Recirculating Model (No. 3333-33)
Eliminates filter clogs and germ accumulation.

PureDry Hand/Glove Dryer Recirculating Model		
Description	Cat. #	\$/Each
120VAC/60Hz	3333-33	2,638.00
220VAC/50Hz	3333-33-220	2,517.00
Replacement ULPA Filter 99.999% efficient@ 0.12 micron	3333-35	200.00



Single-Pass Model (No. 3333-00)
Space-saving, wall-mount unit features an easy-access ULPA filter.

PureDry Hand/Glove Dryer Single Pass Model		
Description	Cat. #	\$/Each
120VAC/60Hz	3333-00	1,906.00
220VAC/50Hz	3333-00-220	1,906.00
Replacement ULPA Filter 99.999% efficient@ 0.12 micron	3333-39	180.00



Brushless motor eliminates carbon contaminants for ultra-clean operation



HAND AND GLOVE WASHING AND DRYING STATIONS

Terra specifically designed these integrated washing/drying stations for use in critical cleanroom and gowning room environments.

- Incorporates washing and ULPA-filtered drying modules in one cleanroom-compatible station
- Infrared (IR) beam activation for hands-free, non-contaminating operation
- Optional liquid soap dispenser
- Incorporates noise-absorbing insulation and isolated motor for quiet operation
- Drying module incorporates blower, energy-efficient heater with insulated air flow tubing, and an ULPA (ultra-low penetration air) filter rated 99.999% efficient @ 0.12µm particles

[View](#) online product page.

Hand/Glove Cleaning Station									
Dimensions Includes levelers W" x D" x H" Nominal	No. of Sinks	304 Stainless Steel				Electropolished 304 Stainless Steel			
		110VAC/60Hz		220VAC/50Hz		110VAC/60Hz		220VAC/50Hz	
		Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each
24 x 22 x 61	1	9600-60	5,417.00	9600-60-220	5,525.00	9600-05	6,877.00	9600-05-220	6,272.00
48 x 22 x 61	2	9600-61	10,662.00	9600-61-220	10,770.00	9600-06	12,230.00	9600-06-220	12,230.00
96 x 22 x 61	4	9600-62	19,704.00	9600-62-220	19,704.00	9600-07	23,041.00	9600-07-220	23,041.00
144 x 22 x 61	6	9600-63	29,849.00	9600-63-220	29,849.00	9600-08	34,854.00	9600-08-220	34,854.00

CLEANROOM MIRRORS

Framed and Frameless Mirrors

Terra's cleanroom mirrors mount flush to the wall to eliminate gaps where microbes can form. Easy to install, they offer a convenient way for operators to conduct a visual self-check to ensure compliance with cleanroom gowning protocol.

Wall mounted mirrors save floor space and come in two designs:

Framed Mounting supports various mirror sizes. The mirrors takes only minutes to install. A sloped stainless steel frame is easy to clean.

Frameless Mounting eliminates germ traps and cracks for easy cleaning. These units are ideal for aseptic facilities. Recessed mounting brackets hold mirror tight against the wall to eliminate gaps.

Size W" x H"	With Frame		Frameless	
	Cat. #	\$/Each	Cat. #	\$/Each
36 x 72	5252-52A	1,388.00	5252-58B	1,217.00
24 x 36	5252-53	937.00	5252-61B	859.00
18 x 24	5252-54	638.00	5252-60B	558.00
24 x 72	5252-55	1,144.00	5252-59B	1,001.00
24 x 48	5252-56	1,072.00	5252-63B	979.00
18 x 36	5252-57	844.00	5252-62B	807.00

Click [here](#) to view Cleanroom Mirrors online product page.



No. 5252-54



No. 5252-60B



Frameless Wall-Mount No. 5252-58B

GOWNING ROOM BENCHES

- Terra's fully passivated electropolished 304 stainless steel finish meets the most stringent cleanliness requirements—certified Class 1 compatible!
- Optional bootie racks provide convenient storage slots
- Variety of frame and top configurations to suit every preference
- Free-standing benches have leveling glides

.375" Rod Top Cylinder Frame				
L" x W" x H"	304 Stainless Steel		316 Stainless Steel	
	Cat. #	\$/Each	Cat. #	\$/Each
36 x 16 x 18	9602-96	1,564.00	9602-96-316	1,829.00
48 x 16 x 18	9602-97	1,791.00	9602-97-316	2,095.00
72 x 16 x 18	9602-99	2,246.00	9602-99-316	2,750.00
84 x 16 x 18	9600-02	2,454.00	9600-02-316	3,007.00



0.375 Rod Top Cylinder Frame

Solid Top Square Tube Frame				
L" x W" x H"	304 Stainless Steel		316 Stainless Steel	
	Cat. #	\$/Each	Cat. #	\$/Each
36 x 16 x 18	1530-25-2	922.00	1530-25-2-316	1,121.00
48 x 16 x 18	1530-26-2	1,017.00	1530-26-2-316	1,292.00
60 x 16 x 18	1530-27-2	1,188.00	1530-27-2-316	1,321.00
72 x 16 x 18	1530-28-2	1,268.00	1530-28-2-316	1,411.00
84 x 16 x 18	1530-29-2	1,181.00	1530-29-2-316	1,497.00



Fixed-Mount
Solid Top



Free-Standing Solid Top

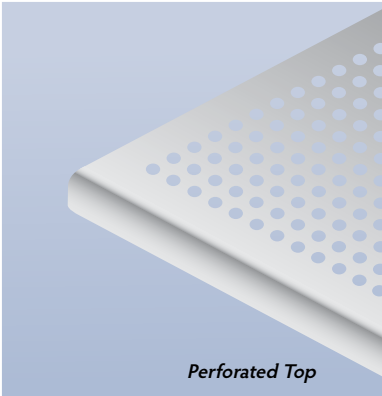
Tubular Top Square Tube Frame				
L" x W" x H"	304 Stainless Steel		316 Stainless Steel	
	Cat. #	\$/Each	Cat. #	\$/Each
48 x 16 x 18	1530-11-2	1,801.00	1530-11-2-316	2,015.00
84 x 16 x 18	1530-14-2	2,462.00	1530-14-2-316	2,886.00

25" Rod Top Square Tube Frame				
L" x W" x H"	304 Stainless Steel		316 Stainless Steel	
	Cat. #	\$/Each	Cat. #	\$/Each
48 x 16 x 18	1560-11-2	1,681.00	1560-11-2-316	1,959.00

Free-Standing Perforated Top with Square Tube Frame				
Free Standing L" x W" x H"	304 Stainless Steel		316 Stainless Steel	
	Cat. #	\$/Each	Cat. #	\$/Each
36 x 16 x 18	1540-10-2	1,251.00	1540-10-2-316	1,599.00
48 x 16 x 18	1540-11-2	1,468.00	1540-11-2-316	1,870.00
60 x 16 x 18	1540-12-2	1,686.00	1540-12-2-316	2,155.00
72 x 16 x 18	1540-13-2	1,887.00	1540-13-2-316	2,415.00
84 x 16 x 18	1540-14-2	2,056.00	1540-14-2-316	2,634.00



Free-Standing Rod Top



Perforated Top

CLEANROOM GARMENT STORAGE



Garment rack only



Garment rack with shelves



Adjustable shelves



HEPA-filtered models dislodge and remove particles



Powder-Coated Steel



304 SS with steel door frames



Top component fits filter/blower or can be used as storage

Terra's versatile cleanroom storage cabinets house a variety of garments, booties, supplies, tools and process equipment. Select models are available with HEPA filter/blower that removes 99.99% of all contaminants 0.3 microns and larger. The chrome-plate hardware, nonshedding materials ensure cleanroom compatibility. Models have double doors with self-closing hinges that require minimum clearance and provide easy access to stored items. Type A cabinets accommodate up to 30 garments.

Cabinet doors can be ordered in clear acrylic or SD-PVC. All models include a 6"H (152 mm) stand with leveling feet.

Models are also available in 220V. Acrylic is damaged by alcohol and other cleaning agents.

Cabinets can also be ordered in custom sizes. Visit online [product page](#).

Cleanroom Garment Storage Cabinets: Powder-Coated Steel

Specifications			Powder-Coated Steel				Powder-Coated Steel w/ Steel Door Frames			
	Type	Dimensions W" x D" x H"	w/Acrylic Doors*		w/Dissp. PVC Doors		w/Acrylic Doors*		w/Dissp. PVC Doors	
			Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each
A	Filter/Blower	40 x 26.5 x 94	4101-03C	2,419.00	4101-17C	2,615.00	4101-03C-HD	1,964.00	4101-17C-HD	2,394.00
		52 x 26.5 x 94	4101-01C	2,661.00	4101-15C	3,003.00	4101-01C-HD	2,156.00	4101-15C-HD	2,773.00
	Cabinet Only	40 x 26.5 x 94	4101-02C	1,692.00	4101-16C	2,034.00	4101-02C-HD	2,524.00	4101-16C-HD	3,129.00
		52 x 26.5 x 94	4101-00C	1,928.00	4101-14C	2,270.00	4101-00C-HD	2,812.00	4101-14C-HD	3,312.00
B	Filter/Blower	40 x 26.5 x 94	4101-04C	2,563.00	4101-18C	2,905.00	4101-04C-HD	3,212.00	4101-18C-HD	3,713.00
		52 x 26.5 x 94	4101-06C	2,819.00	4101-20C	3,161.00	4101-06C-HD	2,962.00	4101-20C-HD	4,149.00
	Cabinet Only	40 x 26.5 x 94	4101-05C	1,792.00	4101-19C	2,134.00	4101-05C-HD	3,361.00	4101-19C-HD	3,645.00
		52 x 26.5 x 94	4101-07C	2,043.00	4101-21C	2,385.00	4101-07C-HD	2,453.00	4101-21C-HD	2,987.00
C	Filter/Blower	40 x 26.5 x 94	4205-20C	2,385.00	4205-21C	2,385.00	4205-20C-HD	3,110.00	4205-21C-HD	2,805.00
		52 x 26.5 x 94	4205-22C	2,685.00	4205-23C	3,026.00	4205-22C-HD	3,100.00	4205-23C-HD	3,446.00
	Cabinet Only	40 x 26.5 x 94	4101-11C	1,706.00	4101-25C	2,048.00	4101-11C-HD	1,782.00	4101-25C-HD	2,262.00
		52 x 26.5 x 94	4101-13C	1,945.00	4101-27C	2,537.00	4101-13C-HD	1,974.00	4101-27C-HD	2,368.00

Garment Storage Cabinets

Specifications			304 Stainless Steel w/ shelves				304 Stainless Steel w/ SS Door Frames			
	Type	Outside Dimensions W" x D" x H"	w/Acrylic Doors*		w/Dissp. PVC Doors		w/Acrylic Doors*		w/Dissp. PVC Doors	
			Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each
A	Filter/Blower	40 x 26.5 x 94	4101-57B	4,781.00	4101-68B	5,123.00	4101-57B-HD	5,301.00	4101-68B-HD	5,643.00
		52 x 26.5 x 94	4101-59B	5,311.00	4101-70B	5,903.00	4101-59B-HD	5,831.00	4101-70B-HD	6,173.00
	Cabinet Only	40 x 26.5 x 94	4101-58B	3,898.00	4101-69B	4,240.00	4101-58B-HD	4,418.00	4101-69B-HD	4,760.00
		52 x 26.5 x 94	4101-60B	4,516.00	4101-71B	5,108.00	4101-60B-HD	4,266.00	4101-71B-HD	5,378.00
B	Filter/Blower	40 x 26.5 x 94	4101-61B	4,925.00	4101-72B	5,267.00	4101-61B-HD	5,445.00	4101-72B-HD	6,037.00
		52 x 26.5 x 94	4101-63B	5,470.00	4101-74B	5,812.00	4101-63B-HD	5,990.00	4101-74B-HD	6,332.00
	Cabinet Only	40 x 26.5 x 94	4101-62B	4,018.00	4101-73B	4,360.00	4101-62B-HD	4,538.00	4101-73B-HD	4,880.00
		52 x 26.5 x 94	4101-64B	4,653.00	4101-75B	4,995.00	4101-64B-HD	5,173.00	4101-75B-HD	5,515.00
C	Filter/Blower	40 x 26.5 x 94	4205-65B	4,802.00	4205-76B	5,144.00	4205-65B-HD	5,322.00	4205-76B-HD	5,664.00
		52 x 26.5 x 94	4205-67B	5,334.00	4205-78B	5,334.00	4205-67B-HD	5,854.00	4205-78B-HD	6,196.00
	Cabinet Only	40 x 26.5 x 94	4101-66B	3,915.00	4101-77B	4,257.00	4101-66B-HD	4,425.00	4101-77B-HD	4,777.00
		52 x 26.5 x 94	4205-24C	4,536.00	4205-25C	4,878.00	4205-24C-HD	5,056.00	4205-25C-HD	5,398.00

Replacement HEPA Filter

For models with filter/blower unit. Rated 99.99% efficient @ 0.3µm particles

Cat. # \$/Each
1681-02 363.00

Cleanroom Hangers

Electropolished SS Closed Loop

Cat. # \$/Each
1530-30-2 14.00

Detachable

Cat. # \$/Each
1530-31-2 14.00

[Shelves](#) available online



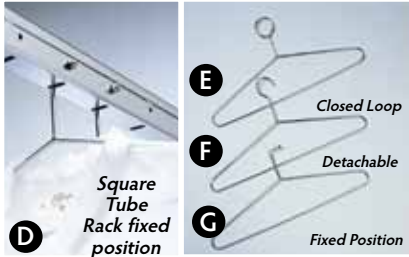
Items in blue

* Acrylic is damaged by alcohol and strong cleaning agents

GARMENT STORAGE RACKS

Made with ultra-clean electropolished 304 stainless steel, these sturdy and cleanroom-ready garment storage racks will not shed particles or snag garments. All models have an overall height of 74".

Click [here](#) for a complete list of available sizes.



A
Cylinder Frame Rack
For use with detachable hangers.
(1½"-diameter tubes) Overall height: 76"



C
Square-Tube Rack sliding position style for use with closed-loop or detachable hangers.
Overall height: 74"

Electropolished Cleanroom Hanger

Type	For Rack Type	Cat. #	\$/Each
E. Closed Loop	C	1530-30-2	14.00
F. Detachable	A, B or C	1530-31-2	14.00
G. Fixed Position	A, B or D	1530-32-2	14.00

Electropolished Stainless Steel Garment Storage Racks

Type See photos above	Dimensions	Hanger Capacity (order separately)		A/B. Cylinder Tube Frame (order hanger 1530-32-2 separately)				C/D. Square Tube Frame			
		Single Rack	Dual Rack	A. Single-Rack		B. Dual-Rack		Single-Rack		Dual-Rack	
				Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each
C. Sliding Position (order closed loop or detachable hangers)	48"W x 24"D	15	30	—	—	—	—	9230-00-2	910.00	9230-04-2	1,434.00
	60"W x 24"D	19	38	—	—	—	—	9230-01-2	1,146.00	9230-05-2	1,608.00
	72"W x 24"D	23	46	—	—	—	—	9230-02-2	989.00	9230-06-2	1,844.00
	84"W x 24"D	27	54	—	—	—	—	9230-03-2	1,347.00	9230-07-2	2,067.00
A, B, & D. Fixed Position (order fixed position hangers)	48"W x 24"D	15	30	9602-67	1,347.00	9602-75	2,505.00	9230-08-2	1,063.00	9230-12-2	1,948.00
	60"W x 24"D	19	38	9602-68	1,659.00	9602-76	2,929.00	9230-09-2	1,325.00	9230-13-2	2,294.00
	72"W x 24"D	23	46	9602-69	1,805.00	9602-77	3,200.00	9230-10-2	1,440.00	9230-14-2	2,526.00
	84"W x 24"D	27	54	9602-70	1,975.00	9602-78	3,550.00	9230-11-2	1,569.00	9230-15-2	2,793.00

GOWNING ROOM FURNISHING



A. Upright and Wall-Mount Garment Racks

Electropolished stainless steel

A. Wall-Mount and Upright by Metro

Width	Hangers	Cat. #	\$/Each	Cat. #	\$/Each
36"	11	2650-16	1,130.00	2650-20	596.00
48"	15	2650-17	1,229.00	2650-21	779.00
60"	19	2650-18	1,590.00	2650-22	988.00
72"	23	2650-19	1,773.00	2650-23	1,072.00

B. Garment Storage Rack

Chrome-plated wire racks

B. Garment Storage Rack by Metro

Required Quantity	Item	Cat. #	\$/Each
4	62.563"H SS Corner Post	2650-30	43.00
5	24" x 48" SS Wire Shelf	1300-82	213.00
15	8"H SS Shelf Divider	1303-32	50.00
5	4"H SS Rear Ledge	1302-99	57.00
10	4"H SS Side Ledge	1302-95	32.00
2	5" Stem Caster	2080-55	37.00
2	5" Stem Caster with Brakes	2080-56	40.00



Click [here](#) for further details and images of wall-mount models.

USP-797 COMPOUNDING ASEPTIC ISOLATOR

Terra's Stainless Steel and Polypropylene USP-797 Compounding Aseptic Isolators (CAI) are designed with a large ergonomically sloped polycarbonate tilt-up front window for easy insertion of large equipment and front access to rear panels for cleaning and sterilization.

- Low-noise, low-vibration filter/fan unit provides continuous vertical flow of 99.99% particle-free air to meet Class 100 (ISO 5) cleanliness standards
- Sliding door for easy insertion/removal of IV bags
- Magnehelic® gauges monitor internal positive pressure
- Waste port for disposing through glove box floor or side
- All models meet USP-797 Requirements

Features

Standard Option

- A** HEPA filtration module provides vertical laminar airflow
 - B** Main processing chamber includes IV rod. 10" (254 mm)-diameter glove ports (shown with optional Hypalon gloves) and externally mounted fluorescent illuminator
 - C** Antechamber with separate 1/2"-thick glass access door
 - D** Differential pressure gauges display internal positive pressure
 - E** Status Indicator
 - F** Powder-coated steel stand with leveling feet
- Options include waste chutes and ionizing bar
 UV Module allows fast, effective sanitizing

Specifications for Stainless Steel and Polypropylene

Overall dimensions: 50"W x 30"D, at bottom, /27"D, x 38"H, at top, nominal, excluding filter/fan unit.

Easy-Reach: 50"W x 22"D, at bottom, /19"D, at top x 38"H, nominal, excluding filter/fan unit.

Antechamber: 30": 14"W; 22" Easy-Reach: 12.5"W

Processing Chamber: 30": 32.5"W x 29.5"D, at bottom x 38"H, with pneumatic tilt-up door, 27.38"W x 31.5"H opening



Easy to clean 304 stainless steel model #2900-46C



Sliding glass door



Removable baffle from front



Tilt-up window



IV rod included



Easy-Reach 22" #2900-56 saves space and allows easier reach of back wall and chamber components.

- Housing: 304 or 316 stainless steel, or polypropylene
- Viewing Windows: Polycarbonate, 0.25" (6 mm) thick, with swing access door
- Glove Ports: 10" (254 mm) diameter (order desired gloves separately)
- IV Rod: 0.25" (6 mm) stainless steel rod mounted 3" (76 mm), from the filter face
- Pressure Gauge: 0 – 0.25" Magnehelic® gauges monitors internal positive pressure
- Lighting: External-mount fluorescent fixture
- Gloves and Sleeves: Nitrile, Neoprene and Hypalon gloves and sleeves are available in three sizes and with choice of G.O.S. (for sterile applications) or G.U.S. (protection against hazardous materials) connectors.

Fan/Filter Unit Specifications

- Filter/Fan Unit: **30"**: 24" x 48"; **Easy-Reach 22"**: 16" x 48"
- Average CFM: 644 (1094.2 m³/hr)
- Air Speed: 100 (low speed); 120 (medium speed); 140 (high speed)
- Prefilter/Exit filter: Fiberglass



Click [here](#) to view online product page.

USP- 797 Compounding Aseptic Isolators—Stainless Steel				
Stainless Steel	120VAC		220VAC	
	Cat. #	S/Each	Cat. #	S/Each
30" Chamber Depth				
304	2900-46C	7,906.00	2900-46C-220	7,906.00
316	2900-45C	9,837.00	2900-45C-220	9,837.00
22" Chamber Depth Easy-Reach				
304	2900-56	8,052.00	2900-56-220	8,052.00
316	2900-57	9,870.00	2900-57-220	9,870.00

USP- 797 Compounding Aseptic Isolators—Polypropylene			
120VAC		220VAC	
Cat. #	S/Each	Cat. #	S/Each
30" Chamber Depth			
2900-62	6,194.00	2900-62-220	6,194.00
22" Chamber Depth Easy-Reach			
2900-58	6,340.00	2900-58-220	6,340.00



Stands
Constructed of all-welded 2" square tubing. All stands raise chambers 28.75" off of floor (add 3" for casters).

Corresponding Stands			
Chamber Depth	Cat. #	S/Each	
30"	1694-81	689.00	
22"	1694-82	679.00	



- IonBar™ Static Neutralizing Bar**
- Low Voltage
 - Includes mounting kit for installation to Fan/Filter Unit
 - For use with WhisperFlow™, ValuLine™ WhisperFlow and USP-797 Compounding Aseptic Isolators



ValuLine Isolator provides a USP-797-compliant isolator at a lower cost! Polypropylene construction is easy to clean and resists biocides.



IonBar Static-Neutralizing Bar (with Installation Kit)					
For Hood Width/bar length	110VAC, 60Hz		220VAC, 50/60 Hz		
	Cat. #	S/Each	Cat. #	S/Each	
36"/33"	2005-48	709.00	2005-48-220	720.00	
48"/44"	2005-49	810.00	2005-49-220	820.00	

VALULINE™ WHISPERFLOW™ POLYPROPYLENE LAMINAR FLOW HOODS

Terra's versatile laminar flow hoods provide a particle-free work environment on any available work surface.

- Portable, economical system converts any benchtop surface into a vertical or horizontal laminar flow station (select 36" or 48" width)
- Air flow speed exceeds 90 feet/minutes (measured with HEPA filter)
- Quiet operation: 54 dBA measured 30" from filter face
- Polypropylene hood construction resists a wide range of chemicals, including alcohol and other biocides
- Includes built-in polypropylene bottom with spill tray and coved seams for easy cleaning

Units consist of two modules:

1. Fan/Filter unit (FFU) for quiet, reliable operation

The FFU houses a HEPA filter, rated 99.99% efficient with 0.3 micron particles. Internal baffle system ensures uniform face velocity, and its 54 dBA noise rating ensures quiet operation. The low vibration level ensures minimal disruption of high-precision assembly or test procedures performed inside the hood. ULPA FFUs, rated 99.99% efficient @ 0.12µm particles, along with ionization units are also available.

2. Polypropylene frame for chemical resistance

The 0.5" (13 mm)-thick polypropylene construction offers excellent chemical compatibility, durability, and cleanliness. A hinged front access shield, made of static-dissipative PVC, restricts the air exit and enhances laminar flow. Continuous seams and coved corners simplify cleaning.

Click [here](#) to visit the online product page.



No. 1688-40, Vertical Laminar Flow Hood



No. 1688-42, Horizontal Flow Hood

**QUICK
Ship**
Items in blue

ValuLine Whisper Flow Polypropylene Laminar Flow Hoods

Outside Dimensions (inches)	Power	Vertical Flow ValuLine WhisperFlow Hood		Horizontal Flow ValuLine WhisperFlow Hood		Corresponding HEPA Fan/Filter Unit*	
		Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each
48.75 x 24.75 x 39, 42, with FFU	120VAC, 60Hz	1688-40	1,618.00	1688-42	1,466.00	6601-24-H	740.00
	220VAC, 50/60Hz	1688-40-220	1,618.00	1688-42-220	1,466.00	6601-24-H-220	845.00
36.75 x 24.75 x 39, 42.5 with FFU	120VAC, 60Hz	1688-41	1,452.00	1688-43	1,642.00	6601-23-H	740.00
	220VAC, 50/60Hz	1688-41-220	1,452.00	1688-43-220	1,642.00	6601-23-H-220	845.00

* ULPA models available

Corresponding Tables

Tables feature powder-coated, adjustable bases and choice of sealed laminate or 304 stainless steel tops.

Corresponding Tables

For Hood Style	Laminate Top		304 Stainless Steel Top	
	Cat. #	\$/Each	Cat. #	\$/Each
Vertical Flow				
49"W x 25"D	1688-81	454.00	1688-83	852.00
37"W x 25"D	1688-82	557.00	1688-84	658.00
Horizontal Flow				
49"W x 39"D	1688-85	590.00	1688-87	944.00
37"W x 39"D	1688-86	534.00	1688-88	855.00



IonBar™ Static Neutralizing Bar

- Low Voltage
- Includes mounting kit for installation to Fan/Filter Unit
- For use with WhisperFlow, ValuLine WhisperFlow and USP-797 Compounding Aseptic Isolators

IonBar™ Static-Neutralizing Bar (with Installation Kit)

For Hood Width/ bar length	110VAC, 60Hz		220VAC, 50/60 Hz	
	Cat. #	\$/Each	Cat. #	\$/Each
36"/33"	2005-48	709.00	2005-48-220	720.00
48"/44"	2005-49	810.00	2005-49-220	820.00

PCR WORKSTATIONS

Terra manufactures turnkey laminar flow Polymerase Chain Reaction (PCR) Hoods with laminar flow HEPA filtering for cleanliness. The air-velocity meter monitors air flow. These lightweight models are made with acrylic or static-dissipative PVC panels. Models are available with a stainless steel work surface..

- Portable, economical turnkey hood converts any benchtop surface into a controlled PCR work station
- Safe UVC Disinfection Module with "exposure switch" to protect users from harmful UV light
- Fully-enclosed environment keeps UV energy safely contained during sterilization
- Samples and equipment introduced via large front sash
- Full-length front access shield enhances laminar flow when closed and gives users complete access to samples and equipment when open. It is held open, or safely closed during UV decontamination, with magnetic latches

Click [here](#) to visit the online product page.

PCR Hood Material	Dimensions W" x D" x H"	Cat. #	S/Each
Acrylic	36 x 24 x 30.25	1692-90	3,723.00
Acrylic	48 x 24 x 30.25	1692-91	3,986.00
Static-dissipative PVC	36 x 24 x 30.25	1692-93	4,466.00
Static-dissipative PVC	48 x 24 x 30.25	1692-94	4,779.00
Tempered Glass	36 x 24 x 30.25	1692-95	3,406.00
Tempered Glass	48 x 24 x 30.25	1692-96	3,645.00



PCR Workstation (No. 1692-90) on a polypropylene table (order separately)



Pipette Shelf

Portable pipette shelf organizes pipettes and micro-well. Shelf features four notches to hold single-channel pipettes.

Dimensions: 14" W x 5" D x 8" H

Material: Acrylic or Static-Dissipative PVC

Material	Cat. #	S/Each
Acrylic	1692-99	162.00
Polypropylene	1692-98	162.00



mLine® Pipette Multipacks by Sartorius

These multipacks include useful mechanical pipette accessories in one package and they are a convenient way to supply a new pipette workstation or to replace used mechanical pipettes.

Multipacks	Cat. #	S/Each
Pipette 3-pack 10	PP03-20	776.00
Pipette 3-pack 20	PP03-21	776.00
Pipette 4-pack	PP03-22	975.00
Pipette 3+1 pack	PP03-23	1,287.00
Pipette 5-pack	PP03-24	1,209.00



Ultra-Violet C Sanitizing Lamp

99+% kill rate for common bacteria and viruses within 2 minutes!

Long-lasting, low-mercury lamps can be installed in most Terra stainless steel chambers including BioSafe® Glove Boxes and Compounding Aseptic Isolators. Prices below include installation in specified chamber.

Length	Cat. #	S/Each
21"	3305-90	426.00
33"	3305-91	471.00
61"	3305-92	594.00

SPECIALTY HOODS

A. HEPA-Filtered Ventilation Hood

Perfect for containing contaminants produced during benchtop operations, including powders and dust. Reverse-flow fan/filter unit micro-filters air for safe indoor release.

Click [here](#) to visit product page online. .

B. Explosion-Proof Hood

Motor, fan and LED light classified for use in Class I, Division 1 hazardous locations, per NEC code, making this enclosure suitable for use around potentially flammable or explosive substances.

Click [here](#) to visit product page online. .





GERMFREE LFGI LAMINAR FLOW GLOVE BOX/ISOLATOR for Biohazard Containment

Germfree's LFGI Laminar Flow Glove Box/Isolator is designed with positive and negative configuration options. Units meet NIOSH recommendations and USP-797 requirements for a Compounding Aseptic Containment Isolator (CACI) and USP-797 regulations for a Compounding Aseptic Isolator (CAI). The ergonomic glove ports and the HEPA filters provide users the highest level of comfort and protection from microbiological particulates, dust, powders and aerosols.

- Units configured to positive or negative pressure operation; can be adjusted by a certifier
- Antechamber and waste and sharps removal tubes can be installed on either side of unit
- Three exhaust options can be factory-set or changed by a certifier when the unit is in-place
- Protects operator and product in the event of a containment breach with Inward/outward face velocity of 95 – 100 linear feet per minute at glove port opening
- 10" range variance of hydraulic-assist, height-adjusting stands allow operators to sit or stand comfortably for extended time periods
- Oval glove ports for maximum range of motion

Specifications

Electrical:	115 volt, 15 amp, 60 Hz (220/50-60 Hz also available)
Amperage Rating:	15
Antechamber Dimensions:	Sealed two-door airlock 16" W x 13.5" D x 14.25" H
Configuration Options:	Positive and negative pressure operation
Lighting:	T8 fluorescent light externally mounted for optimum lighting and minimal heat build-up; ON/OFF lighted indicator switches for blower and lighting

- Full framed, standard-size minipleat HEPA filters provide 100% filtering of inlet and exhaust air from both the work area and the antechamber for a fully contained environment
- 4" diameter trash tube (flanged for waste bag/container connection) and straight 2.5" diameter sharps tube (for quick and easy drop of large syringes) include easy to remove seal/stopper to maintain work area containment
- Meets or exceeds ISO 14644-1 for Class 5 air quality
- Two-year manufacturer warranty for parts and labor from original purchase date
- **Safety features:** lock-out handle with key, low pressure alarm and digital pressure readout, glove change without breaking containment, standard locking casters
- **Ergonomic features:** two part sleeve/glove system fits various commercially available glove types and sizes; extra-large oval gloveports provides range of movement and accommodates many body types; 3" arm rest of gloveports promotes comfort and reduces fatigue; large viewing panel minimizes glare and strain; integrated footrest
- Construction allows optional outside venting of exhaust air
- Clean air plenum external to work area; sealed outlet in work area; includes 10 ft. hospital grade power cord with molded grounded plug
- Waste and sharps disposal system for CACI also available

LFGI Laminar Flow Glove Box/Isolator					
Overall Dimensions W" x D" x H"		Work Area Dimensions W" x D" x H"	Glove Ports	Cat #	S/Each
54 x 32 x 80 (39" wide at base)		34.5 x 24.5 x 29	2	5607-15	19,945.00
66 x 32 x 80 (50" wide at base)		46.5 x 24.5 x 29	3	5607-16	21,241.00
90 x 32 x 80 (74" wide at base)		70.5 x 24.5 x 29	4	5607-17	26,342.00

Call Terra Universal at 714-578-6100 and speak to a product expert about available accessories.

[View](#) the LFGI training video.

VERSAFLOW LAMINAR FLOW COMPOUNDING ASEPTIC ISOLATOR

Germfree designed the VersaFlow for applications such as IV compounding in hospital pharmacies and cleanroom environments. Fan units bathe the work area with unidirectional HEPA-filtered air with minimal turbulence for a sterile work environment.

- Meets USP-797 regulations and provides ISO Class 5/Class 100 HEPA filtered unidirectional vertical (laminar) airflow for positive pressure (non-hazardous) compounding
- Units can be converted to a Vertical Laminar Flow Workstation
- **HEPA** filter removes organisms and particulates 0.3 microns in size with 99.99% efficiency
- Straight sides and back optimize work area to fit various shapes and types of pharmacy equipment and automated compounders
- **Waste Removal:** 4" diameter trash tube and seal/stopper; 3" diameter sharps tube for syringe disposal; adjustable sharps container shelf
- **Filtration:** Standard-size minipleat HEPA filters; full framed; filters 100% of inlet and exhaust air from work area and antechamber; full coverage and front-loading HEPA filters
- **Safety:** Inward/outward face velocity of 95 – 100 linear ft. per min.; includes lock-out handle and key and standard integrated stainless steel stand; digital pressure readout; glove changes without breaking containment
- **Ergonomics:** Two part sleeve/glove system fits various commercially available glove types and sizes; extra-large oval glove ports with 3" arm rest promotes wide range of movement; angled large viewing panel minimizes glare and strain
- Two-year manufacturer warranty

Click [here](#) to see the online VersaFlow product page.



Meets all requirements for USP-797 compliance. 100% stainless steel construction. Unidirectional vertical laminar airflow system maintains ISO Class 5/Class 100 air quality under dynamic conditions.

VersaFlow Laminar Flow Compounding Aseptic Isolator						
Dimensions W" x D" x H"			Glove Ports	Running Amperage	Cat #	\$/Each
Overall	Work Area	Ante-chamber				
63 x 32 x 79.5	33 x 27.5 x 32	14 x 27.5 x 32	2	6	5607-19	12,252.00
88 x 32 x 79.5	49 x 27.5 x 32	22 x 27 x 32	3	6	5607-20	13,280.00
92 x 32 x 79.5	55 x 27.5 x 32	19 x 27.5 x 32	4	7	5607-21	14,900.00

SEA-III CLASS III BIOSAFETY CABINETS (BSC)

The **SEA-III BSC by Germfree** is an ergonomically designed standard sized cabinet ideal for modern microbiology labs tasked with handling a wider range of hazardous biological materials.

- Features HEPA filtered air and double HEPA filtered exhaust air
- Boosts preparedness of lab when working with emergency response networks for containing higher risk biological agents
- Cost-effective models with ergonomic design promotes natural arm position, extends reach and reduces fatigue
- Exhaust system requirements: 50 cfm @ 2" H₂O (8.5 M3/hr. @ 500 Pa)
- Material: stainless steel

Construction:

- All welded 12-gauge type 316L (2.46 mm thick ISO 3406 Type A4) stainless steel, interior coved corners and radius bends
- 180-grit pharmaceutical grade (#4) finish facilitates cleaning and decontamination

Contact a Terra product expert at 714-578-6100

SEA-III Glove Boxes				
Glove Model	Interior Dims W" x D" x H"	Overall Dims. with 36" stand W" x D" x H"	Cat #	\$/Each
2	41.25 x 22 x 29.25	60.25 x 24.75 x 76.375	5607-25	45,441.00
3	54 x 22 x 29.25	72.25 x 24.75 x 76.375	5607-26	51,612.00
4	78.125 x 22 x 29.25	95.125 x 24.75 x 76.375	5607-27	61,677.00



Safe, affordable, and ergonomic. Ideal for integrating Class III BSC into complex lab environments



34" work area. Compounding Aseptic Containment Isolator (CACI) completely shields users from radioactive material

LFGI RADIOPHARMACY ISOLATORS

The Germfree Compounding Aseptic Containment Isolator (CACI) with .25" lead shielding provides advanced user and product protection when compounding sterile radiopharmaceuticals. These barrier isolators provide cleanroom conditions within a contained workspace and are ideal for use in clinics, and hospital and pharmacies.

- Meets USP-797 compliance without expense for pharmacy ventilation renovations
- ISO Class 5/Class 100 Isolator eliminates requirement for an ISO Class 8 cleanroom
- .25" lead shielding (located in back, sides, bottom and front of work area) protects while compounding sterile radiopharmaceuticals
- Fits Atomlab and other dose calibrators
- Provides fully controlled environment with 100% HEPA filtration of supply and exhaust air from work area and antechamber
- Stainless steel construction inside and outside encapsulates lead between interior and exterior panels
- **Safety Features:** Key accessed lock-out handle for work area; digital pressure gauge with audible and visual low pressure alarm; operator/product protection in event of glove loss with inward face velocity of 95 – 100 linear feet per minute at gloveport opening; glove change without breaking containment; standard locking casters; undergoes extensive physical testing for assurance that each unit meets performed requirements; independent certification required prior to use.
- **Sharps and Waste Disposal:** sharps container surrounded by individual .25" lead shields located under isolator; 2.5" diameter sharps tube for quick drop of large syringes; includes easy to remove shielded seals/stoppers to maintain work area containment.

LFGI Series Radiopharmacy Isolator

Dimensions		Cat #	\$/Each
Overall W" x D" x H"	Work Area W" x D"		
36 x 34 x 79.5	34 x 24	5607-22	42,687.00
Exhaust Transition		5607-23	651.00

CLASS II TYPE A/A2 BIOSAFETY CABINETS

Germfree's **RADIOSAFE Series** Class II, Type A or A2 Biological Safety Hoods are 100% stainless steel units designed to compound sterile radiopharmaceuticals. Units continuously bathe the work area with positive pressure ISO Class 5/Class 100 HEPA filtered air and negative inward airflow to protect product from contamination and promote user safety from hazardous samples.

- Meets all requirements for USP-797 compliance
- Provides positive pressure ISO Class 5/Class 100 HEPA filtered air and negative inward airflow
- Includes 37" tall all-welded stainless steel stand
- **Lead Shielding:** 2" thick lead-lined dose calibrator housing; dose calibrator monitor arm; lead on sides, back and bottom (3/4" thick); 37" tall all-welded heavy duty stainless steel stand
- **Performance Data:** Passes Biological Tracer Containment Tests of the National Institutes of Health (NIH), the National Cancer Institute (NCI); NRTL listed with MET Labs to comply with UL 1262
- HEPA filter life extended by high capacity motor/blower with speed control
- Externally mounted fluorescent lights minimize heat build-up
- I.V. bar in work area includes 12 stainless steel hooks

Compliance

- Class III Biological Safety Cabinet as defined by the CDC/NIH publication "Biosafety in Microbiological and Biomedical Laboratories" 5th Edition (BMBL)
- System complies with standard EN 12469-2000



Protects user, product and environment



RADIOSAFE Series Radiopharmacy Hoods

Overall Dims. w/ Stand W" x D" x H"	Overall Dims. w/o Stand W" x D" x H"	Work Area Dimensions W" x D" x H"	Cat #	\$/Each
50 x 27 x 94	50 x 27 x 57.5	48 x 22 x 29		
			5607-18	Contact Terra



Purifier® Logic®+ Class II, Type A2 (BSC) 70% Air Recirculation/ 30% Exhaust

Applications: Used for containing substances generating hazardous airborne particulates such as antineoplastic drugs, genetic material, carcinogens, and allergens.

Airflow Pattern: Discharges 30% of air and recirculates approximately 70% of the HEPA-filtered air through the cabinet. Discharges HEPA-filtered exhaust air directly into lab or into exhaust system with an optional Canopy Connection.

Other sizes available; click [here](#) to visit the product page online.

Purifier Logic+ Class II Type A2 Bio Safety Cabinets by Labconco

Size	Dimensions W" x D" x H"	Cat. #	S/Each
4' with 10" sash opening, 115V	54.3 x 31.2 x 89.2-95.2	3642-00**	9,367.00
4' with 8" sash opening, 115V	54.3 x 31.2 x 89.2-95.2	3642-06**	9,367.00
4' with 8" sash opening, 115V	54.3 x 31.2 x 89.2-95.2	3645-41*	10,434.00
6' with 10" sash opening, 115V	78.3 x 31.2 x 89.2-95.2	3642-18**	11,543.00
6' with 8" sash opening, 115V	78.3 x 31.2 x 89.2-95.2	3642-22**	11,543.00

* UV Light, Service Fixture, Vacu-Pass Portal (Base stand not included)

** UV Light, Service Fixture, Vacu-Pass Portal and Base Stand

Click [here](#) to see more sizes, electrical configurations and options.

Features of Labconco's Purifier Logic+ Class II, Type A2 and Type B2 Biosafety Cabinets

Ergonomically designed for operator comfort and safety, Purifier Logic+ Class II, Type A2 and B2 biosafety cabinets protect users, products and environments from hazardous agents that require Biosafety Level 1, 2 or 3 containment.

Performance: The Electronically Commutated Motor (ECM) and the Constant Airflow Profile (CAP) Technology in the Purifier Logic+ create an intelligent and accurate BSC able to maintain proper airflow. The ECM uses 60% less energy, generates less heat, is 50% quieter and has greater torque compared to conventional motors. CAP Technology eliminates the need for airflow sensors and manual adjustment by working with the ECM for precise control of airflow.

Safety: Units meet or exceed all minimum requirements set by NSF International including 99.99% efficient HEPA filters and nominal inflow of 105 fpm. The line of sight LCD, in constant communication with the ECM,



Purifier Logic+ Class II, Type B2 (BSC) 100% Exhaust

Applications: Used for containing agents treated with volatile toxic chemicals and radionuclides; antineoplastic drugs, genetic material, asbestos and substances that generate hazardous airborne particulates.

Airflow Pattern: A dedicated exhaust system and remote blower discharge 100% of the filtered exhaust air from the laboratory. Models are designed to be hard-ducted to the outside.

Other sizes available; click [here](#) to visit the product page online.

Purifier Logic+ Class II Type B2 with 8" sash, 115V by Labconco

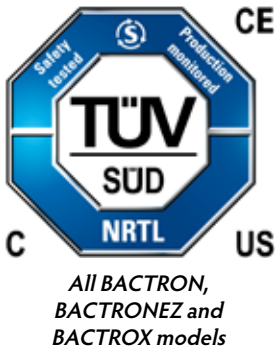
Description	4' Nominal Width 54.3W x 31.2D x 72.6H inches		6' Nominal Width 78.3W x 31.2D x 72.6H inches	
	Cat. #	S/Each	Cat. #	S/Each
Standard	3651-60-220	11,834.00	3651-60	11,834.00
Base Stand	3651-61	12,334.00	3651-64-220	13,768.00
UV Light, Service Fixtures, Vacu-Pass Portal	3651-62	12,326.00	3651-66	14,259.00
UV Light, Service Fixtures, Vacu-Pass Portal, Base Stand	3651-67	14,783.00	3651-67-220	14,783.00

Click [here](#) to see more sizes, electrical configurations and options.

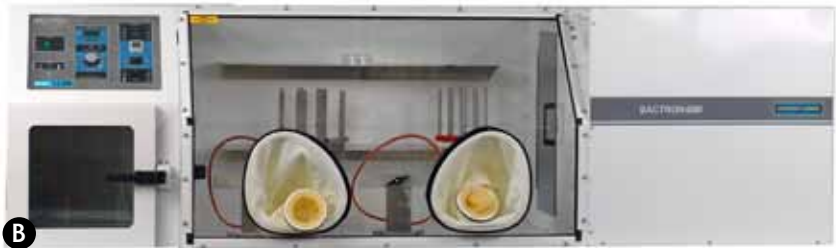
monitors and displays cabinet performance. The LCD has easy readability and an easy to understand full sentence feedback that eliminates guesswork. The "Filter Remaining" bar graph alerts when filter level is down to 20%. Visual and audible alarms alert users in the event of cabinet errors. The durable UV-opaque safety glass and stainless steel is easy to clean and decontaminate.

Comfort: Models are ergonomically designed with ADA compliant touchpad controls and service fixtures. The angled sash, curved inlet grille, flush-mounted electrical duplex covers promote easy clean-up and accessibility. Users have over 27" of viewing height, and the bright, glare-free fluorescent lighting exceeds NSD requirements.

Sustainable Design: Contributes to satisfying EA Credit 1 under LEED, MR Credit 4 with 8.5% pre-consumer and 54.5% post-consumer recycled content.



BACTRON300 17.6 cu. ft. work space with a 300 petri-plate capacity incubator



BACTRON600 17.6 cu. ft. work space and 600-plate capacity with a rotating shelf and two rear mounted shelves



BACTRON900 17.6 cu. ft. work space and 900-plate capacity with a two-tier rotating shelf and an added rear wall incubator with an independent temperature control

Features of BACTRON300, 600, 900, and BACTRONEZ:

- Agency Approval: TUV-CUE; Meets EN61010, UL61010 and Can/CSA61010 standards
- Operates as a one-gas (Anaerobic Mixed Gas [AMG]) or two-gas (AMG and nitrogen) system
- Gloveless design with patented cuffs for efficient bare hand manipulation of samples
- Ergonomic arm port door provides flat resting area for user's arm, enhances comfort during extended periods of operation, simplifies access and maintains a strict anaerobic environment
- User-friendly control panel and microprocessor controls with pre-programmed sequence
- Automatic pressure controls provide positive pressure at approximately 3" of water column and shows pressure level
- Airtight construction of heavy duty stainless steel and rigid Plexiglas
- **Gas supply must be purchased separately**
- Two-year manufacturer limited warranty

Shel Lab® manufactures anaerobic chambers in various petri-plate capacities and cubic foot work spaces. Models are designed for microbiology and cell biology sample processes, inoculation, incubation, inspection and recovery applications. Units purchased in the United States include installation and operator training workshops.

A. BACTRON300

The BACTRON300 continues to be one of the most popular anaerobic chamber models for its size and capacity. Models include standard accessories for easy set-up and optimum productivity. The ample work area still sustains a compact footprint.

Includes: vacuum pump, AMG Regulator, interior electrical outlet, sleeve assembly with medium cuff and 8 Petri racks, installation and training workshop (for USA orders only).

BACTRON300 Anaerobic Chamber		
Description	Cat. #	S/Each
110V	3900-82	19,923.00
220V	3900-82-220	19,923.00

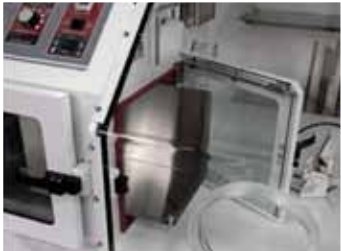
B – C. BACTRON600 and BACTRON900

BACTRON600 and BACTRON900 Include: vacuum pump, AMG Regulator, interior electrical outlet, sleeve assembly with medium cuff and 10 Petri racks

BACTRON600		
Description	Cat. #	S/Each
110-120V/60Hz	3900-85	23,020.00
220-240V/50Hz	3900-85-220	23,020.00

BACTRON900		
Description	Cat. #	S/Each
110-120V/60Hz	3900-84	24,149.00
220-240V/50Hz	3900-84-220	24,149.00

Click [here](#) to view all Anaerobic Processing Chambers online.



Manual or automatic airlock with sliding shelves



Gloveless Design

D. BACTRONEZ

Modular and economical BACTRONEZ anaerobic chambers can be configured to your specific application requirements. The patented cuffs enable glove-free handling and inspection of samples within a consistent, oxygen-free environment. These anaerobic chambers provide a faster sample turnaround compared to vacuum jars and bags. Units are ideal for research and clinical laboratories handling small volumes of anaerobic samples.

Includes: Sleeve assembly with medium cuff and interior electrical outlet

BACTRONEZ 13.7 cu. ft., 300 plate

Description	Cat. #	\$/Each
13.7 cu. ft., 110V	3901-00	10,626.00
13.7 cu. ft., 220V	3901-00-220	10,626.00

See Essential Accessories Kit



D

Modular unit with 13.7 cu. ft. work space and a 300-Petri plate capacity

E. BACTROX Hypoxia Chamber

The Bactrox Hypoxia Chamber provides precise control of oxygen and carbon dioxide from a range of 1% to 20% and in increments of 1/10th of a percent.

- Advanced atmospheric PID controller
- Independent incubator (5°C above ambient to 70°C)
- Ultra-fast extra large pass box, vacuum-less sleeve entry
- Vibrant LED exam lights; stainless steel construction
- Independent gas and condensation control
- RSS232; Condensation control; PC calibration of oxygen sensor; independent gas controls

BACTROX Hypoxia Chamber, 13.7 cu. ft.

Description	Cat. #	\$/Each
13.7 cu. ft., 110V	3900-87	20,269.00
13.7 cu. ft., 220V	3900-87-220	20,269.00



E

13.7 cu. ft. and 300-plate capacity unit provides precise control of oxygen and carbon dioxide

Accessories

F. BACTRONEZ Essential Accessories Kit

- Includes: vacuum pump, foot pedal assembly, AMG regulator, ergonomic grip catalyst holder, exterior LED light, Petri plate racks (2 x 11)
- Unit Weight: 65 lbs. (29.48 kg)

BACTRONEZ Essential Accessories Kit

Description	Cat. #	\$/Each
115V	3901-25	2,828.00
220V	3901-25-220	2,828.00

G. BACTRON Sleeve Assembly

For BACTRON and BACTROX chambers. Includes sleeves, cuffs and O-rings

Cuff Size	Arm Port Door	Cat. #	\$/Each
Large	Ergonomic	3901-02	469.00
Medium	Ergonomic	3901-04	469.00
Small	Ergonomic	3901-06	469.00

H. Anaerobic Chamber Start-Up Kit

Start-up kit includes: spare gasket, anatox, chamber cleaner, scratch remover, acrylic cleaner, 10 anaerobic indicator strips, 2 sets of spare latex cuffs and spare O-ring.

For use with	Cat. #	\$/Each
BACTRONEZ	3901-01	464.00
BACTRON300, 600, 900	3900-93	527.00



F

Includes all the most used accessories for the BACTRONEZ



G



H

Smooth interior with radius corners for easy sterilization!



Available with sloping bottom and drain valve for disinfectant wash-down

BIOSAFE® ASEPTIC PROCESSING ISOLATORS

- Smooth, ultra-clean surfaces eliminate germ traps, simplify cleaning and disinfection
- Continuous-seam interiors create a sealed chamber
- Tempered glass or polycarbonate viewing windows allow full view of chamber
- Includes fluorescent illuminator (UV sterilization bulbs available)
- Optional access panel available for equipment transfer
- Custom configurations available—call to discuss your requirements!

Click [here](#) to view the BioSafe Aseptic Processing Isolator by Terra.

BioSafe Glove Box — All models are 120VAC; 220VAC models available

Position	Window Material	304 Stainless Steel				316 Stainless Steel			
		Single 37.5"W x 29"/24"D x 39"H		Twin 69"W x 29"/24"D x 39"H		Single 37.5"W x 29"/24"D x 39"H		Twin 69"W x 29"/24"D x 39"H	
		Cat. #	S/Each	Cat. #	S/Each	Cat. #	S/Each	Cat. #	S/Each
Glove Box with Right-Side Air Lock*	Polycarbonate	9670-16C	19,702.00	9670-19C	24,938.00	9670-48B	27,738.00	9670-51B	35,172.00
	Safety Glass	9670-17C	20,897.00	9670-20C	26,137.00	9670-49B	29,468.00	9670-52B	36,813.00
Glove Box with Left-Side Air Lock*	Polycarbonate	9670-22C	19,672.00	9670-25C	24,974.00	9670-54B	27,738.00	9670-57B	35,172.00
	Safety Glass	9670-23C	21,114.00	9670-26C	26,137.00	9670-55B	29,468.00	9670-58B	36,813.00
Glove Box with Dual-Side Air Locks*	Polycarbonate	9670-28C	24,670.00	9670-31C	30,147.00	9670-60B	34,952.00	9670-63B	42,431.00
	Safety Glass	9670-29C	25,896.00	9670-32C	31,310.00	9670-61B	36,683.00	9670-64B	44,028.00

* Air lock dimensions: 16"W x 16"D x 16"H

Each chamber includes pair of 10"-diameter glove ports (twin models include two pairs).

Stands

	For Single		For Twin	
	Cat. #	S/Each	Cat. #	S/Each
Powder-Coat Stand	9670-41	627.00	9670-43	751.00
Stainless Steel Stand	9670-40	1,319.00	9670-42	1,447.00

Removable Panel

Allows you to remove and reseal front viewing window to allow transfer of large process equipment. Poured polyurethane BioSeal™ is easy to clean and sterilize.

	Cat. #	S/Each
Single Chamber	9670-35	2,756.00
Twin Chamber	9670-36	3,308.00



Glove Box Accessories (more at [TerraUniversal.com](#))

- Neoprene sleeve and nitrile glove combination
- One- or two-piece hypalon sleeve and glove
- One-piece neoprene sleeve and glove
- Stainless steel oval ports (other materials and configurations available)

Series 100

PLASTIC GLOVE BOX ISOLATORS

- An economical controlled processing environment for a wide range of manufacturing and testing operations
- Dual-gasketed side doors and a fully gasketed back permit introduction of small and large equipment
- Optional gas purge controls automatically
 - ✓ establish a particle-free environment
 - ✓ maintain a humidity set-point down to 0% RH
 - ✓ minimize system recovery time
- 10"-diameter glove ports accept a wide variety of gloves, including Terra's accordion sleeve and glove assembly
- Available in five materials: acrylic, static-dissipative PVC, non-dissipative PVC, polypropylene and polycarbonate

Click [here](#) to view Terra's Series 100 isolator online.



Type	Series 100 Plastic Glove Boxes*											
See Dimensions Above	Acrylic****		Static Dissipative PVC**		Nondissipative PVC		Polypropylene*** (Dissipative PVC viewing window)		Polycarbonate		Stainless Steel Work Surface (prevents scratching)	
	Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each
Single Models (2 glove ports)	1689-00G	2,065.00	3305-00F	3,010.00	3305-03F	2,443.00	1681-29F***	2,483.00	1681-31F	3,125.00	1689-11	402.00
Twin Models (4 glove ports)	1689-16G	2,775.00	3305-10F	4,561.00	3305-11F	3,377.00	1681-30F***	3,614.00	1681-32F	4,799.00	1681-33	563.00

* Complete with inlet and outlet for gas fittings and relief/bleed valve (order separately).
** Includes grounding terminals. The Stainless Steel Work Surface is required with the Static-Dissipative PVC glove box to prevent scratching.
*** Includes 110VAC, 50/60Hz fluorescent illuminator (for 220VAC/50Hz, add "-220" to the part number).
**** Acrylic is damaged by alcohol and other cleaning agents.

GLOVE BOX FILTRATION MODULE

- Easily configurable closed- or open-loop system provides isolation for product protection, or containment for environmental protection
- Inlet and outlet ULPA filters provide 99.999% efficient filtration of particles 0.128µm and larger to ensure an ultra-clean processing environment for particle-sensitive materials
- Ideal for removing fine pharmaceutical powders, aerosols and most microbial contaminants
- Continuously scrubs the process gas environment to remove micro-contaminants, aerosols, particulates, germs and mold spores
- Adjustable air speed via tamper-resistant settings on the variable-speed motor

Click [here](#) to view Terra's Glove Box Filtration Module online.

Specifications

Dimensions: 2"-diameter PVC pipe
Filter: ULPA filter rated 99.999% effective @ 0.12µm particles
Motor: Brushless DC, variable speed

Glove Box Filtration Module		
Includes mounting on specified Terra glove box. Specify filters separately		
	Cat. #	\$/Each
120VAC, 60 Hz	3306-71	2,547.00
240VAC, 60Hz	3306-71-220	2,547.00
ULPA Filter	1685-81	270.00





Series 300

STAINLESS STEEL GLOVE BOX

- Provides a clean, controlled environment for manufacturing processes in semiconductor, pharmaceutical, and other industries
- Transparent dissipative PVC window affords full view of processing area
- Side flanges simplify insertion/removal of process equipment and allow easy addition of ovens and air locks
- Select single model (with two glove ports) or twin model (with four glove ports)

Options: RH control system, dual purge, stainless steel airlock, vacuum nitrogen pump, pass-through vacuum or nitrogen oven

Terra's Series 300 Stainless Steel Controlled Atmosphere Chamber provides a hermetically sealed environment for such manufacturing operations as resistance welding of semiconductor hybrids, parts degassing, temperature and humidity testing, and chemical mixing in a nonreactive environment.

Series 300 Glove Boxes*						Corresponding Air Locks**		
Model	Glove Ports	120VAC		220VAC		Right Side		Left Side
		Cat. #	S/Each	Cat. #	S/Each	Cat. #	Cat. #	S/Each
Single	2	1694-01C	6,238.00	1694-01C-220	6,238.00	1702-10C	1702-11C	3,366.00
Twin	4	1694-02C	9,594.00	1694-02C-220	9,594.00	1702-10C	1702-11C	3,366.00

* 304 stainless steel with static-dissipative PVC viewing window installed with gasketed seals to ensure minimum vapor loss

** Airlocks compatible with single and twin models

Click [here](#) to view online product page.



Model shown: Single Chamber (Cat. No. 1694-13) with Dual Purge System, and Air Lock

Series 400

STAINLESS STEEL GLOVE BOX

- Roomy 304 stainless steel chamber provides ample space for large processing equipment
- Optional gas purge controls automatically maintain a humidity set point down to 0% RH/0.5 ppm(v) H₂O

In addition to all of the features of the Series 300 models, Terra designed these chambers to also accommodate Terra's Vacuum Antechamber, which supports vacuums down to 29.9" Hg for a wide range of operations in many industries. Their double-gasketed side flange allows easy insertion of large process equipment into the work chamber and easy mounting of the antechamber, a vacuum/nitrogen oven, or a standard air lock.

Click [here](#) to view online product page.

Series 400 Chambers (304 Stainless Steel)					Air Lock	
Model	Glove Ports	Cat. #	S/Each	Installed	Cat. #	S/Each
Single	2	1694-13B	10,151.00	Right Mount	1698-01C	3,193.00
Twin	4	1694-14B	15,661.00	Left Mount	1698-02C	3,193.00

Series 500

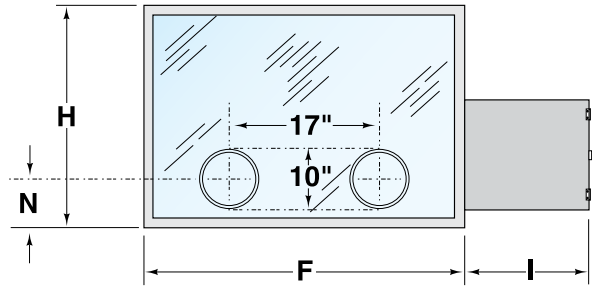
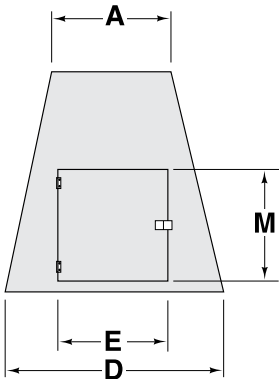
FULL-VIEW GLOVE BOX

- Transparent front and rear panels ensure full visibility of work in progress
- Opposing glove ports allow convenient, dual-side access
- Large chamber size accommodates bulky process equipment
- Rugged 304 stainless steel top, bottom and sides create a durable, chemical-resistant enclosure
- Select access doors or air locks to allow convenient parts transfer

Options: stainless steel airlock, powder-coated steel stand, gloves, nitrogen purge rh controller and more.

The Series 500 Glove Box by Terra offers several convenient features that reduce the cramped, claustrophobic feeling operators often experience: a spacious processing chamber, transparent full-view windows, and dual-side access to work in progress.

Select windows of polycarbonate or static-dissipative PVC, which helps control surface charges and the particles they attract. All models below include an externally mounted fluorescent illuminator. Terra's 10" -diameter glove ports allow wide arm motion for easier parts manipulation; select gloves separately. Available with a full line of options, including side air locks or access doors for easy parts transfer, stands, and humidity control systems (see below).



Glove	A	D	E	F	H	I	M	N
2	26	36	14.75	48	30	16	14.75	12
4	26	36	14.75	96	30	16	14.75	12

Click [here](#) to view online product page.

Series 500 Full-View Glove Boxes*					Air Locks**			Access Door***		
Model	Static-Dissipative PVC Panels		Polycarbonate Panels		Right Mount	Left Mount		Right Mount	Left Mount	
	Cat. #	S/Each	Cat. #	S/Each	Cat. #	Cat. #	S/Each	Cat. #	Cat. #	S/Each
Single	1694-31A	7,502.00	1694-33A	7,395.00	1702-12C	1702-13C	3,366.00	1685-94-500	1685-96-500	947.00
Twin	1694-32A	13,857.00	1694-34A	11,736.00	1702-12C	1702-13C	3,366.00	1694-45-500	1694-46-500	1,127.00

* All models are 120VAC, 50/60Hz. For 220VAC, add "-220" to the part number.

** Mounted on either side panel.

*** Mounted on either side panel; 18"W x 20"H.

Optional Accessories



Stands

All-welded 2" square tubing, each stand provides optimal support for its corresponding chamber.



Air Locks

Air locks minimize nitrogen loss and contamination while parts are introduced or removed. BioSeal™ design features noncontaminating polyurethane seals. Standard units on ordering chart above come with solid stainless steel door (select window below).

		Stainless Steel		Powder-Coat Steel	
		Cat. #	S/Each	Cat. #	S/Each
For Series 500 Chambers	Single	1694-39	2,125.00	1694-40	1,309.00
	Twin	1684-75	2,107.00	1684-76	1,278.00

		Cat. #	S/Each
Viewing Window		1702-02	464.00
Tempered Glass, 7"W x 9.5"H			

STAINLESS STEEL LAB and CLEANROOM TABLES



Designed for modular use, these easy to assemble stainless steel tables allow users to add and/or change components as need arises. The smooth surface and rounded corners allow easy cleaning and the tapered sleeve design and the double-sided tape are ideal for affixing various top materials.

- Load rated at 50 lbs. per sq. foot and up to 600 lbs. maximum
- All-stainless steel shelves and high-temperature casters allow cart wash and enable autoclave applications
- Casters and accessories sold separately

A. Stainless Steel Lab Table

A. Stainless Steel Lab Tables and 3-Sided Frame

Dimensions L" x W" x H"	Weight lbs.	Cat. #	S/Each
29.75 x 30 x 35.375*	58	1533-82	924.00
35.75 x 30 x 35.375	70	1533-83	975.00
47.75 x 30 x 35.375	91	1533-84	1,099.00
59.75 x 30 x 35.375	119	1533-85	1,112.00

*Tray and drawer are not available for #1533-82



B/C. Stainless Steel Tables with Backsplash

Models are equipped with a backsplash to protect on-top instruments, equipment and testing items.

B. Stainless Steel Lab Tables and 3-Sided Frame

Dimensions L" x W" x H"	Cat. #	S/Each
29.75 x 30 x 35.188*	1533-70	924.00
35.75 x 30 x 35.188	1533-71	1,027.00
47.75 x 30 x 35.188	1533-72	1,044.00
59.75 x 30 x 35.188	1533-73	1,112.00

C. Stainless Steel Worktable with Backsplash and Shelf

Dimensions L" x W" x H"	Cat. #	S/Each
29.75 x 30 x 39.5*	1533-66	781.00
35.75 x 30 x 39.5	1533-67	816.00
47.75 x 30 x 39.5	1533-68	860.00
59.75 x 30 x 39.5	1533-69	895.00

*Tray and drawer are not available for #1533-70 and #1533-66

Click [here](#) to view all cleanroom and laboratory tables online.

D. – F. Designed for ISO 7 or Class 10,000 cleanliness, these cleanroom or lab tables have a seamless 304 stainless steel work surface supported by 11-gauge nickel/chrome-plated channel supports.



Cleanroom/Lab Tables

Type	Length inches	Post Material	Width 30 Inches		Width 36 Inches		Width 44 Inches	
			Cat. #	S/Each	Cat. #	S/Each	Cat. #	S/Each
D	60	SS	1305-00	956.00	1305-18	1,098.00	1305-54	1,238.00
	72	SS	1305-01	1,033.00	1305-19	1,178.00	1305-55	1,321.00
	96	SS	1305-02	1,261.00	1305-20	1,418.00	1305-56	1,569.00
E	60	SS	1305-06	792.00	1305-24	924.00	1305-60	1,060.00
	72	SS	1305-07	863.00	1305-25	1,039.00	1305-61	1,136.00
	96	SS	1305-08	1,029.00	1305-26	1,217.00	1305-62	1,318.00
F	60	SS	1305-12	792.00	1305-30	959.00	1305-66	1,060.00
	72	SS	1305-13	863.00	1305-31	1,039.00	1305-67	1,136.00
	96	SS	1305-14	1,029.00	1305-32	1,217.00	1305-68	1,318.00



Stainless steel clipboard—see page 38

Stainless steel C-Base bench (No. 1521-55) and optional drawer unit



Static-dissipative C-Base Bench No. 1521-32, with No. 1524-50 uprights, 1700-76 light, 1700-90 shelf and 1740-07 drawer.

Stainless Steel Tops

- Stainless steel work surface meets Class 100 particle requirements
- Choice of adjustable "A" base or nonadjustable "C" base available in either finished steel or stainless steel
- Ground terminals and wrist-strap pin connectors allow easy grounding of ionizing guns, wrist straps, and other static protection equipment

Laminate Tops

- Sealed laminate top design meets Class 100 particle requirements
- Static-dissipative laminate safely dissipates charges to reduce possibility of electro-static discharge (meets MIL-B-81705-B)
- Optional modular overhead fluorescent light fixture provides shadow-free viewing anywhere on benchtop surface

Benchtop Dimens. (W" x D")	304 Stainless Steel Top w/ Finished Steel Base*						Laminate Tops					
	Solid Top			Perforated Top (.75" ID Hole)**			Nonconductive Tops			Static Dissipative Tops		
	"A" Base Design (telescoping legs)	"C" Base Design (recessed legs)		"A" Base Design (telescoping legs)	"C" Base Design (recessed legs)		"A" Base Design (telescoping legs)	"C" Base Design (recessed legs)		"A" Base Design (telescoping legs)	"C" Base Design (recessed legs)	
	Cat. #	Cat. #	\$/Each	Cat. #	Cat. #	\$/Each	Cat. #	Cat. #	\$/Each	Cat. #	Cat. #	\$/Each
48 x 30	1521-45	1521-54	1,235.00	1522-56	1522-66	1,538.00	1722-00	1521-09	735.00	1728-00	1521-31	1,069.00
60 x 30	1751-00	1521-55	1,324.00	1522-57	1522-67	1,647.00	1724-00	1000-00	816.00	1730-00	1521-32	1,092.00
72 x 30	1752-00	1521-56	1,383.00	1522-58	1522-68	1,867.00	1726-00	1000-01	806.00	1732-00	1521-33	1,135.00
84 x 30	1521-46	1521-57	1,437.00	1522-59	1522-69	2,050.00	1521-01	1000-02	978.00	1521-23	1521-34	1,135.00
96 x 30	1753-00	1521-58	1,569.00	1522-60	1522-70	2,307.00	2402-00	1000-03	1,033.00	2400-00	1521-35	1,389.00
48 x 34	1521-49	1521-61	1,325.00	1522-61	1522-71	1,546.00	1723-00	1521-16	780.00	1700-29	1521-38	1,103.00
60 x 34	1700-65	1521-62	1,420.00	1522-62	1522-72	1,807.00	1725-00	1521-17	809.00	1731-00	1521-39	1,130.00
72 x 34	1700-66	1521-63	1,462.00	1522-63	1522-73	1,962.00	1727-00	1521-18	853.00	1733-00	1521-40	1,185.00
84 x 34	1521-50	1521-64	1,534.00	1522-64	1522-74	2,260.00	1521-05	1521-19	923.00	1521-27	1521-41	1,269.00
96 x 34	1521-51	1521-65	1,682.00	1522-65	1522-75	2,629.00	1521-06	1521-20	1,069.00	1521-28	1521-42	1,433.00

* Stainless Steel Scuff Guards included on finished C-Base benches; order separately for A-Bases. Nonadjustable (one piece) legs also available with "A" Base design at no additional cost (specify when ordering). Finish is white powder coat.
** For .25" diameter perforations, add \$32/ft. of width to the standard pricing.



Ergonomic benchtop positioning eliminates back stress.

ErgoHeight™ Work Stations

- Eliminates back stress and injury, enhances productivity
- Provides up to four programmable height settings
- Smooth bench motion—suitable for microscopes and delicate process equipment

ErgoHeight Auto-Adjustable Cleanroom Work Stations Powder-Coated Bases				
Benchtop Dimensions (W" x D")	Nonconductive Top		Stainless Steel Top	
	Cat. #	\$/Each	Cat. #	\$/Each
48 x 30	3504-17	2,864.00	3504-05	3,331.00
60 x 30	3504-18	3,065.00	3504-06	3,504.00
72 x 30	3504-19	3,186.00	3504-07	3,623.00
36 x 34	3504-20	2,855.00	3504-08	3,292.00
48 x 34	3504-21	2,926.00	3504-09	3,363.00
60 x 34	3504-22	3,098.00	3504-10	3,535.00
72 x 34	3504-23	3,217.00	3504-11	3,654.00

Other sizes and materials available including stainless steel bases. Click [here](#) to see the product page online.





MetroMax i™ Polymer Shelving with Microban Antimicrobial Product Protection

- Made with all-polymer and type 304 stainless steel with a lifetime warranty against rust and corrosion
- Mats, open and solid: mineral reinforced polypropylene. Mats contain Microban® antimicrobial
- Post cap and center beam cap: High-density polyethylene
- Continuous temperature—MetroMax i™ can be used continuously within a range of -20/120° F (-29/49° C) with intermittent exposure to 212° F (100° C) for cleaning



MetroMax Q™ Shelving with Microban Antimicrobial Product Protection

- Made with epoxy-coated steel frames and posts
- Polymer mats easily removed for fast cleaning
- Patented corner release unlocks shelves without tools
- Shelf frames and posts made with electroplates substrate and highly durable, abrasion-resistant epoxy finish
- Temperature range: -20°F (-29°C) to 125°F (52°C) continuous use, with intermittent exposure to 200°F (93°C) for cleaning

MetroMax i™ and MetroMax Q™ storage systems have interchangeable accessories. Units effectively organize, contain and compartmentalize stored items. Models are available with stem casters or as stand alone units.

Sizes:

- 18" to 24" nominal width
- 24" to 72" nominal length

Weight Load:

- 800 lbs. per shelf for lengths of 24" to 48"
- 600 lbs. per shelf for lengths of 54" or longer
- 2,000 lbs. maximum per stationary unit
- Interchangeable Accessories
- Easy to assemble; easy to clean with smooth surfaces
- Shelves can be adjusted at 1" increments



Available in 4- and 5-tier models with shelves and (4) posts

Accessories

Solid Shelf



Open Grid Shelf



Stationary Unit



*Stem Caster,
900 lb. load*

Call Terra at 714-578-6100
for details and pricing



Modular, mobile and highly adaptive to the changing needs of your laboratory.

Starsys systems are ideal units for improving space efficiency and lab productivity. Models are easy to install and can be customized to your specifications. The modular design is easily reconfigured as your laboratory operations change. The advanced polymer shell construction resists denting, chipping, rusting, flaking and corroding. The rigid aluminum coated metal substructure adds strength and durability. Choose from an array of models with flexible door, drawer and cabinet designs. ALL MODELS come with 5" polymer casters with lock plate.

A. Triple Bay High-Profile Unit

No. 1311-25A

B. Single Bay High Profile Unit

No. 1311-23A

C. Mobile Single Bay WorkCenter,

No. 1311-27A

D. Mobile Single Bay WorkCenter with Overhead (glass cabinet)

No. 1311-29A (shown with custom roll-up overhead door)

E. Mobile Double Bay WorkCenter with Overhead

No. 1311-31A (shown with custom overhead drawer unit)



F



G



I



H



J

Custom configurations available. Call Terra Universal at 714-578-6100 for details.

Click [here](#) to view online product page.

Starsys Mobile WorkCenters

	Description	Dimensions W" x D" x H"	Material	Cat. #	\$/Each
A	Triple Bay High Profile Unit	62.35 x 24.9 x 78.3	Bay Three: polymer shelves with inner panel	1311-25A	5,933.00
B	Single Bay High Profile Unit	22.75 x 24.9 x 78.3	(5) adjustable polymer shelves on inner panel	1311-23A	2,273.00
C	Mobile Single Bay WorkCenter	23.6 x 28.6 x 39	Black epoxy island	1311-27A	2,130.00
D	Mobile Single Bay WorkCenter with Overhead (glass cabinet)	2.7 x 24.8 x 81.6	Black epoxy top	1311-29A	3,760.00
E	Mobile Double Bay WorkCenter with Overhead (epoxy top)	43.4 x 28.6 x 81.6	Black epoxy top with backsplash	1311-31A	5,021.00
F	Cabinet, Pull-out Desk Drawers, Overhead Cupboards	63.2 x 28.6 x 81.9	Polymer shelves with clear door	1306-83	7,192.00
G	Mobile Double Bay WorkCenter with Overhead (stainless steel top)	43.4 x 28.6 x 81.6	Black epoxy top with backsplash	1311-30A	5,361.00
H	Mobile Double Low Profile Drawer-Cabinet Combination	42.6 x 24.88 x 44.7	5" polymer casters with lock plate	1311-21A	3,038.00
I	Mobile Double Bay High Profile Cabinet	42.55 x 27.9 x 78.3	5" polymer casters with lock plate	1311-24A	3,208.00
J	Mobile WorkCenter with Center Knee Space	73.1 x 28.6 x 36	Black epoxy top	1311-26A	4,684.00



A *Three-Shelf Cart (No. 1532-53A)
Microban® Antimicrobial
Formulation Available!*



B *Three-Shelf Deep-Ledge Cart
(No. 1532-57)
Microban® Antimicrobial
Formulation Available!*



C *Series 100 – Two stainless steel solid
shelves (see chart below)*



D *Series 200 – Three stainless steel solid
shelves (see chart below)*



E *Series 400 – Two chrome wire shelves
and one stainless steel solid shelf.*



F *Series 600 – Two wire shelves,
chrome or stainless steel.*

A. Polymer Utility Carts with Adjustable Shelves

These carts by Metro will never corrode and the ergonomic handle provides more walking space between you and the cart during transport. The trays offer twice the amount of space and the ship's edge prevents items from sliding when cart is mobile. Two-tier and three-tier models are available in blue, black and gray. Load capacity: 150-500 lbs.

2-Shelf Models W" x L"		Blue	
		Cat. #	\$/Each
18 x 28		1532-12A	151.00
21.5 x 33.75		1532-47A	163.00
27 x 39.5		1532-13A	190.00
3-Shelf Models W" x L"		Blue	
		Cat. #	\$/Each
18 x 28		1532-14A	176.00
21.5 x 33.75		1532-53A	199.00
27 x 39.5		1532-15A	232.00

B. Polymer "Deep Ledge" Carts with Adjustable Shelves

Similar to models above, but with 2.75" (70mm)-deep shelf ledges for enhanced spill containment. All models are 41"H. Color: blue.

W" x L"	Configuration	Cat. #	\$/Each
21.5 x 32.75	2-shelf	1532-56	170.00
21.5 x 32.75	3-shelf	1532-57	209.00
27 x 38.75	2-shelf	1532-58	199.00
27 x 38.75	3-shelf	1532-59	244.00

Dozens more at TerraUniversal.com!

[View all](#) Cleanroom and Lab Utility Carts



G *Series 700 – Shown with optional bin.
Three wire shelves, in a choice of chrome
or stainless steel.*

Ordering Information		C. Series 100		D. Series 200		E Series 400		F. Series 600		G. Series 700	
Dimensions W" x L" x H"	Caster Dia.	Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each	Stainless Steel Wire Shelves		Stainless Steel Wire Shelves	
18 x 24 x 38	4"	1401-23	440.00	1401-44	589.00	1401-54	293.00	1402-39	413.00	1402-56	559.00
18 x 30 x 38	4"	1401-24	498.00	1401-45	650.00	1401-55	332.00	1402-41	471.00	1402-58	619.00
18 x 36 x 38	4"	1401-25	494.00	1401-46	650.00	1401-56	332.00	1402-43	471.00	1402-60	619.00
21 x 36 x 39	5"	1401-26	539.00	1401-47	710.00	1401-57	362.00	1402-45	527.00	1402-62	696.00
24 x 36 x 39	5"	1401-27	567.00	1401-48	755.00	1401-58	381.00	1402-47	556.00	1402-64	738.00

Stainless Steel Cleanroom Computer Cart

Terra Universal's Cleanroom Computer Cart lets you mobilize your computer anywhere in the cleanroom or hospital. These units provide an easy way to transport computer systems easily and eliminate the risk of contamination.

- Overall dimensions: 25.88"W x 17"D x 45"H (including casters)
- Sturdy 1" x 2" frame 304 stainless steel members support monitors up to 21"

Includes

- Perforated (.125" diameter) monitor platform (24" X 36")
- Retractable keyboard tray and stainless steel bearings accommodate all standard keyboard sizes
- CPU cradle fabricated of .5" diameter rods on one-inch centers and support towers up to 10"W x 18"D x 20"H
- Easy-to-clean electropolished 304 stainless steel surfaces meet the strictest particle standards
- Locking safety casters ensure smooth rolling
- Stainless steel casters (sold separately)
- CE Marking



Call Terra Universal at
714-578-6100 for details
about customizing sizes
and configurations



Click [here](#) to view online product page.

	Cat. #	\$/Each
Computer Cart	9600-19	2,296.00



VHRC Series Monitor and Keyboard

- Height: 64.5" (adjustment range: 16")
- Slide-out keyboard mount with padded wrist rest
- Left/right accessory compartments
- Integrated VHRC channel accepts all GCX channel mounting components
- Foot pedal for variable height adjustment
- Negative/positive tilt with tilt lock out
- Vertically adjustable channel
- Key locking enclosure with flip-up top and vented storage with rear opening for cables
- Integrated adjustable cable management
- Overall height: 64.5"
- Base: 18" x 18" with 5" diameter casters

Cat. #	\$/Each
9600-77	1,228.00



VHRC Series Dual Monitor and Keyboard

- The bracket attaches to a support arm (M-Series, or VHM Variable Height Arm) allowing (2) flat panel displays to be mounted side-by-side
- Height adjustment range: 16"
- Slide-out keyboard mount, padded wrist rest
- Left/right accessory compartments
- Integrated VHRC channel accepts all GCX channel mounting components
- Foot pedal for variable height adjustment
- Key locking enclosure with flip-up top and vented storage with rear opening for cables
- Negative/positive tilt with tilt lock out

Cat. #	\$/Each
9600-81	1,114.00



Call Terra Universal
for details about
GCX products

VHRS Workstation for Motion C5 Tablet with Docking Station

- Power supply mount (universal holster securely mounts variety of power supply units)
- Height adjustment range: 11"
- Height from floor to keyboard tray: Min: 30.3"/ Max: 41.3
- Keyboard tray with left/right slide-out mouse trays
- Short mounting bracket with folding keyboard
- Roll stand handle
- Cable management cleat
- Utility basket (storage for cables and accessories)

Cat. #	\$/Each
9600-82	656.00

MEDICAL WASTE CONTAINERS and BUCKETS WITH FOOT PEDALS



4.5-gallon to 30-gallon capacities feature a large foot pedal for hands-free medical waste disposal.

Rubbermaid provides a broad line of step-on containers ideal for use in hospitals, pharmacies, labs and healthcare facilities.

- Large heavy-duty pedal
- Integrated lid opens and closes slowly
- Tight-fitting, overlapping lid traps in odors and prevents spills
- Complies with OSHA regulation 29 CFR 1910.1030, FM Approved, UV stabilizer
- One-year manufacturer warranty
- Click [here](#) for the full list of available sizes and colors

Medical Waste Containers & Buckets with Foot Pedals

Description	Capacity	Shape	Color	Cat. #	\$/Each
Step-On Can with Rigid Liner	4.5 gal.	Round	White	1457-06	91.00
Step-On Container	8 gal.	Square	Red	1457-09	92.00
Step-On Container	12 gal.	Square	Green	1457-16	107.00
Step-On Container	18 gal.	Square	Yellow	1457-21	122.00
Mobile Step-On Container	23 gal.	Square	Beige	1457-27	175.00
Stainless Steel Step-On Container	23 gal.	Round	Black	1457-29	320.00
30-Gallon Step-On Container	30 gal.	Round	Light Platinum	1457-31	223.00
Stainless Steel Step-On Container	30 gal.	Round	Black	1457-33	392.00

Available: Rigid Liners designed to fit Rubbermaid containers are made of one-piece plastic construction to ensure longevity and extra protection against leaks and spills.

BRUTE® MEDICAL WASTE ROLLOUT CONTAINERS



All models feature front hinged lock and key
Units close and lock securely for easy and safe transport
Interior lock plate adds extra measure of protection

Brute Medical Waste Rollout Containers

Capacity	Dimensions W" x D" x H"	Cat. #	\$/Each
65 gal.	25.3 x 32.3 x 41.8	1457-00	260.00
95 gal.	27.3 x 35.4 x 45.6	1457-01	285.00

Brute Medical Waste Rollout Containers by Rubbermaid are ideal for use in hospitals. These sturdy containers will stand up to repeated use with automated lifting equipment.

- Meets ANSI Z245.30-2008 and NSF Standard #21
- Steel catch bar and molded-in catch bar are compatible with all automated lift systems
- Remains stable in high winds and uneven surfaces with slip resistant handle, foot-tilting details and balanced lifting points
- Inset wheels won't damage walls and doorways
- Features UV stabilizer for maximum life in outdoor settings
- One-piece seamless construction for durability and easy cleaning
- One-year manufacturer warranty from date of purchase
- Click [here](#) to view product page

**QUICK
Ship**
Items in blue



Nilfisk Cleanroom Vacuum Cleaner With ULPA Filtration

A four-stage filtration system, which includes a final ULPA filter, rated 99.999% efficient @ 0.12µm particles, and quiet operation (59 dBA at 6.5 feet) make this vacuum ideal for cleanroom use. Includes filter set and tool kit with two 22" stainless steel tubes, 3" round brush, combination 12" floor nozzle, 6'6" conductive plastic hose, trolley, 30' power cord, conductive crevice nozzle and 5" utility nozzle. Tank capacity: 3.25 gallons.

	Cat. #	S/Each
120VAC	1764-00	1,134.00
240VAC	1764-00-220	1,156.00



Minuteman® CRV Vacuum

Ideal for Class 1-100,000 facilities, this CRV features an electromagnetic/radio frequency interference filtration (RFI/EMI) for more stringent applications. The unit has a three-stage filtration system with a dual layer disposable paper bag, a non-woven cloth filter and a standard ULPA filter. The quiet motor supplies powerful suction at a constant airflow with a noise level of 65 dba. The unit comes with a stainless steel four-wheel carriage for strength and mobility. Tank capacity: 4 gallons.

	Cat. #	S/Each
115VAC	1001-65	1,369.00



Nilfisk SS Cleanroom Vacuum with Safe-Pak

Designed for cleanroom environments down to ISO 4 (Class 10), this compact and quiet cleanroom vacuum has the Safe-Pak function that effectively contains and disposes of hazardous materials. The multi-stage HEPA filtration system removes particles down to 0.12 microns at 99.999% efficiency. Safe-Pak can be interchanged with standard vacuum collection containers. Lightweight units are constructed with pharmaceutical standard AISI 316 stainless steel. Vacuum is easy to clean with autoclavable parts. Tank capacity: 3.25 gallons.

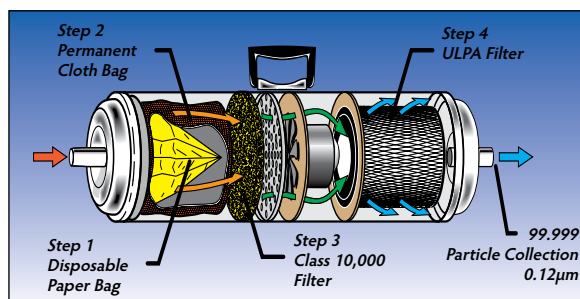
	Cat. #	S/Each
110/120V	1764-37	1,951.00
Safe-Pak Replacement Collection Container	1764-43	354.00



Compact, Versatile MicroVac™ — Vacuum or Clear Air Blower

- Includes 99.999% efficient ULPA filter to capture sub-micron particulates
- Four-stage filtering system
- Ideal for cleaning up hazardous powders, pharmaceutical spills
- Ventilates bio cabinets, glove boxes and other small enclosures
- Provides burst of particle-free air to clean keyboards, PCBs and other delicate surfaces
- Mini-tool kit pinpoints small surface features

[View all](#) Cleanroom Vacuum Cleaners.



Triple-Duty Cleaning —

- Cleans up dust and chemical spills
- Clean air blower pinpoints ULPA-filtered air
- Ventilates glove box or other enclosure

MicroVac	Cat. #	S/Each
110VAC/60Hz	5100-00	1,161.00
220VAC/50Hz	5100-00-220	1,282.00
MicroVac Tool Kit	5100-05	33.00
Replacement Filters		
Stage 1 Disposable Paper Bag	5100-01	89.00
Stage 3 Class 10,000 Filter	5100-02A	16.00
Stage 4 Class Replacement ULPA Filter	5100-04	173.00

REUSABLE GARMENTS



Vidaro Grid — high performance cleanroom fabric designed for industries where it is essential to protect products from static dissipative charges as well as airborne particles.

Maxima ESD — fluid resistant fabric with built-in static control properties. Widely used in food technology, medical and pharmaceutical industries to help control product and work contamination.

- A/B. Cleanroom Coveralls and Boots** — in Vidaro Grid and Maxima ESD fabrics.
- C. Hoods** — Vidaro Grid style offers complete head coverage; Maxima ESD offers head coverage with round face opening.

- D. Lab Coats** — Static-control fabric comes in several colors and sizes.
 - E/F. Frocks and Shoe Covers** — In white and light blue
- Complete pricing and specifications at TerraUniversal.com**

View all [Reusable Cleanroom Garments](#) online.

APPAREL DISPENSERS



- Stainless Steel Wall-Mount Dispenser**
- Includes four keyhole slots for easy wall mounting
 - Mounting slot covers prevent internal contamination
 - Sloped top minimizes particle accumulation and simplifies cleaning
 - Lift top for easy loading of packaged garments



Key hole mounting slot cover prevents internal contamination from wall dirt.



Wall-Mount Garment Dispensers			
Material	Dimensions W" x D" x H" *	Cat. #	\$/Each
Electropolished 304	14.25 x 10.25 x 29.75	4952-30	495.00
Stainless Steel	16 x 12.25 x 29.75	4952-31	585.00
Polypropylene	14.25 x 10.25 x 29.75	4952-32	356.00
Polypropylene	16 x 12.25 x 29.75	4952-33	446.00

* Garment dispenser height refers to the rear measurement. Units are 1.5" (38 mm) shorter in the front due to the sloped top.

Table-Top Apparel Dispensers					
No. of Bins	Dimensions W" x D" x H"	Acrylic*		SD- PVC	
		Cat. #	\$/Each	Cat. #	\$/Each
4	48.5 x 24 x 36	4951-06	3,564.00	4951-07	6,340.00
3	36.5 x 24 x 36	4951-08	2,770.00	4951-09	5,283.00
2	24.5 x 24 x 36	4951-10	2,123.00	4951-11	4,370.00

* Acrylic is damaged by alcohol and other solvents.

More dispensers on pages 38 – 39.



Disposable Gloves

We offer a wide variety of cleanroom gloves suitable for different applications and cleanliness requirements. The Nitrile cleanroom gloves are available in sterile packaging for use in Class 10 environments and in non-sterile packaging appropriate for Class 10, 100, 1,000, and 10,000. A PVC cleanroom glove is also available which has excellent ESD properties and is a good fit for use in microelectronics manufacturing.

Sterile Nitrile Cleanroom Glove, Class 10 (200 Pairs)		
Size	Cat. #	\$/Case
SM	5605-30	244.00
MED	5605-31	244.00
L	5605-32	244.00
XL	5605-33	244.00
XXL	5605-34	244.00

Nitrile Cleanroom Glove, Class 10 (1,000 Pieces)		
Size	Cat. #	\$/Case
SM	5605-35	209.00
MED	5605-36	209.00
L	5605-37	209.00
XL	5605-38	209.00

Nitrile Cleanroom Glove, Class 100 (1,000 Pieces)		
Size	Cat. #	\$/Case
SM	5605-39	140.00
MED	5605-40	140.00
L	5605-41	140.00
XL	5605-42	140.00

Nitrile Cleanroom Glove, Class 1000 (1,000 Pieces)		
Size	Cat. #	\$/Case
SM	5605-43	136.00
MED	5605-44	136.00
L	5605-45	136.00
XL	5605-46	136.00

Powder-free Nitrile Glove, Class 10,000 (1,000 Pieces)		
Size	Cat. #	\$/Case
SM	5605-47	136.00
MED	5605-48	136.00
L	5605-49	136.00
XL	5605-50	136.00

PVC Glove, Class 10,000 (1,000 Pieces)		
Size	Cat. #	\$/Case
SM	5605-51	126.00
MED	5605-52	126.00
L	5605-53	126.00
XL	5605-54	126.00



Gloves Liners

These lightweight, non-linting liners are knitted with fine-gauge, 100% virgin nylon. They provide dexterity in finger tips, while offering comfort and improved grip in palm. Quality, sturdy construction allows liners to be laundered and reused. Universal size and ambidextrous shape fits comfortably under latex, PVC or nitrile gloves. Suitable for use in controlled environments.

Style	Number of gloves per bag	Cat. #	\$/Bag
Full-finger	12 pairs	5605-29	20.00
Half-finger	12 pairs	5605-28	17.00



Wipers

Terra Universal offers an assortment of cleanroom and laboratory wipers to suit every need.

Cotton Wipers are woven for strength and durability, while also clean and absorbent. Ideal for cleaning magnetic disk media surfaces, high heat applications, and absorbing aqueous and organic solvent spills. Suitable for Class 1000 and higher cleanrooms.

Size	Qty./Bag	Cat#	\$/Each
9" x 9"	75	5605-07	71.00
12" x 12"	100	5605-02	53.00

Laundered Polyester Wipers are ideal for critical environments where ultra-low particle/fiber generation and absorbent capacity is important. Soft yet durable construction cleans surfaces without scratching. The 2-ply wiper is commonly used in pharmaceutical applications as a primary process wiper.

Size	Federal Standard 209E	Qty./Bag	Cat#	\$/Bag
9" x 9"	Class 1	150	5605-00	30.00
9" x 9" x 2-ply	Class 1	100	5605-03	67.00
9" x 9"	Class 10	150	5605-11	33.00
4" x 4"	Class 100	600	5605-15	55.00
9" x 9"	Class 100	150	5605-01	32.00
12" x 12"	Class 100	100	5605-10	25.00

Nonwoven Pre-saturated Wipers saturated with semiconductor grade (filtered to 0.2 micron) 70% isopropyl alcohol and 30% de-ionized 18 mega ohm water. Processed and packaged in a controlled environment. Ideal wipe for electronics applications and for general use in pharmaceutical and semiconductor industries. Designed for Class 1,000 applications and above.

Size	Unit of Measure	Cat#	\$/Each
9" x 9"	75/Pail	5605-55	29.00



Cleanroom Paper

Specially formulated cleanroom paper minimizes particle generation in controlled environments. Ultra-low particle, extractable and metallic ion content. High tear and tensile strength, burst strength of 50 lbs. per inch. Compatible with virtually any ink or copier system. Processed and double bagged in a Class 100 cleanroom.

Cases of 10 reams

Color	Weight	Size	Reams*/Case	Cat. #	\$/Case
White	23#	8.5" x 11"	10	5605-18	142.00
Pink	23#	8.5" x 11"	10	5605-19	110.00
Yellow	23#	8.5" x 11"	10	5605-20	135.00
Blue	23#	8.5" x 11"	10	5605-21	142.00
Blue	30#	11" x 17"	5	5605-22	143.00

* 250 sheets per ream.

Visit TerraUniversal.com for more products by Valutek

STAINLESS STEEL GLOVE DISPENSERS



A Models for loose or packaged gloves



B



C



G



F

Stainless Steel Glove Dispensers –Electropolished 304 (316 SS available) by Terra

	Description	Dimensions W" x D" x H"	Cat. #	S/Each
A	Glove Dispenser Wall-mount	8 x 8 x 24 (1 Compt.)	4951-37-2	444.00
	Glove Dispenser Wall-mount	16 x 8 x 24 (2 Compt.)	4951-38-2	848.00
	Glove Dispenser Wall-mount	24 x 8 x 24 (3 Compt.)	4951-32-2	1,072.00
	Glove Dispenser Wall-mount	34.5 x 8 x 24 (4 Compt.)	4951-33-2	1,360.00
B	Bagged Gloves Dispenser Wall-mount	24.5 x 7.5 x 24 (2 Compt.)	4951-43-2	956.00
	Bagged Gloves Dispenser Wall-mount	34.5 x 7.25 x 24 (3 Compt.)	4951-44-2	1,187.00
	Bagged Gloves Dispenser Wall-mount	27 x 7 x 24 (3 Compt.)	4951-30-2	1,129.00
	Bagged Gloves Dispenser Wall-mount	34.5 x 8 x 24 (4 Compt.)	4951-31-2	1,360.00
C	Bagged Gloves Dispenser Wall-mount	27 x 8.25 x 24 (4 Compt.)	4951-46-2	1,303.00
	Glove Dispenser with Waste Bin	24 x 18.5 x 59 (3 Compt.)	4951-34-2	2,142.00
D	Glove Dispenser with Waste Bin	31.5 x 18.5 x 63 (4 Compt.)	4951-39-2	2,662.00
E	Glove Dispenser (not shown)	12 x 6 x 6	4951-50-2	125.00
F	Glove Dispenser (not shown)	5.75 x 3.875 x 11 (1 box)	4951-53-2	60.00
G	Glove Dispenser (not shown)	12 x 3.75 x 11 (2 boxes)	4951-54-2	66.00
H	Glove Dispenser (not shown)	18 x 3.75 x 11	4951-55-2	84.00
I	Glove Dispenser (not shown)	5.75 x 3.875 x 22 (2 boxes)	4951-51-2	67.00
J	Glove Dispenser (not shown)	5.75 x 3.875 x 33 (3 boxes)	4951-52-2	74.00

Benchtop option
for item A,
No. 4951-90-2



PLASTIC GLOVE DISPENSERS

Click [here](#) to view all Glove and Parts Dispensers. online.



A Polypropylene



B



C



D Polypropylene

Acrylic, Static Dissipative PVC and Polypropylene Glove Dispensers by Terra

	Glove Dispenser	Dimensions W" x D" x H"	Acrylic		Static Dissipative PVC		Polypropylene	
			Cat. #	S/Each	Cat. #	S/Each	Cat. #	S/Each
A	Wall Mount (3 Chamber)	16 x 11.5 x 12	4005-56	286.00	4005-57	432.00	4952-03	471.00
B	Wall Mount	16.5 x 12.5 x 17	4950-72	257.00	4950-74	347.00	4952-02	386.00
C	Plastic Boxed Gloves Holder	5.125 x 11.5 x 4.88	4950-85	56.00	4950-86	93.00	—	—
D	Benchtop	12 x 6 x 6	4951-03	89.00	4951-04	134.00	4952-04	133.00



Safety Glasses Holders by Terra

Capacity	Dimensions W" x D" x H"	Acrylic		Static Dissipative PVC		Polypropylene	
		Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each
8	6.75 x 5.75 x 17	4950-45	282.00	4950-46	354.00	4952-10	372.00
12	9.75 x 5.75 x 17	4951-15	369.00	4951-16	438.00	—	—
16	6.69 x 5.45 x 26.42	4951-17	461.00	4951-18	607.00	—	—
16	13.25 x 5.5 x 17	4951-19	461.00	4951-20	607.00	—	—
24	9.75 x 5.75 x 28.25	4951-21	599.00	4951-22	788.00	—	—
24	19.5 x 5.75 x 17	4951-23	599.00	4951-24	978.00	—	—
32	13.25 x 5.5 x 29.25	4951-25	912.00	4951-26	1,092.00	—	—
48	19.5 x 5.75 x 28.25	4951-27	1,078.00	4951-28	1,510.00	—	—
98	23.75 x 5.70 x 46	4951-05	1,551.00	—	—	—	—

Wall-Mount Safety Glass Dispensers by Terra

	Dimensions W" x D" x H"	Cat. #	\$/Each
Electropolished 304 Stainless Steel	14.5 x 10 x 22	4951-57	455.00
Polypropylene	14.5 x 10 x 22	4951-58	336.00

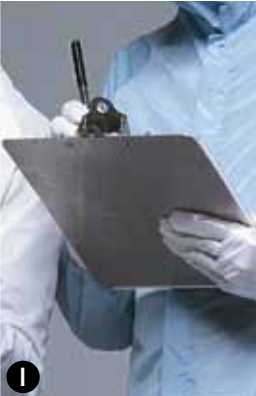
CLEANROOM DISPENSERS



Click [here](#) to view Cleanroom Equipment and Supplies online.

Bootie, Hat, Wiper and Swab Dispensers by Terra

	Dispenser Type	Dimensions W" x D" x H"	Acrylic		Static Dissipative PVC		Polypropylene		304 Stainless Steel	
			Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each
A	Bootie	15 x 6 x 6	4950-97	71.00	4950-98	112.00	4952-12	71.00	4951-45-2	166.00
B	Hat	12 W x 6 x 6	4950-99	86.00	4951-00	148.00	—	—	—	—
C	Wiper, Small	10.5 x 14.5 x 4	4950-93	69.00	4950-94	128.00	4952-09	69.00	—	—
	Wiper, Large	12.5 x 15 x 3.75	4950-95	81.00	4005-55	149.00	4952-11	81.00	—	—
D	Enclosed Wiper	12 x 9 x 6	4951-01	97.00	4951-02	172.00	4952-08	191.00	—	—
E	Wiper, Large	12.5 x 9.5 x 6	—	—	—	—	—	—	4951-40-2	134.00
	Wiper, Small	9.5 x 9.5 x 6	—	—	—	—	—	—	4951-41-2	148.00
F	Swab	6 x 4 x 6	4950-87	43.00	4950-88	74.00	—	—	4951-35-2	65.00



Item	Dimensions W" x D" x H"	Acrylic		Static Dissipative PVC		Polypropylene	
		Cat. #	\$/Each	Cat. #	\$/Each	Cat. #	\$/Each
A. Sneeze Guard	7.125 x 1.75 x 7.75	1601-50	14.00	1601-51	26.00	—	—
Sneeze Guard	11 x 1.625 x 11	1600-25	17.00	1602-75	29.00	—	—
B. Dispensing Bin	5 x 8 x 11.65	4950-12	135.00	4950-13	235.00	4952-06	258.00
C. Mini-Hood	20 x 12 x 16	4950-89	338.00	4950-90	629.00	4952-00	691.00
D. Balance Shield	12.25 x 13 x 12	4950-55	183.00	4950-56	277.00	—	—
E. Micro-Desiccator Storage Cabinet	9 x 11 x 8.5	4950-06	444.00	4950-08	644.00	4952-01	673.00
F. Tissue Box Holder	5.5 x 5.75 x 3.125	4950-41	17.00	4950-42	26.00	—	—
F. Tissue Box Holder	5 x 5.125 x 4.125	4005-53	26.00	4005-54	34.00	—	—
F. Tissue Box Holder	5.5 x 15 x 4.25	4950-43	36.00	4950-44	46.00	—	—
G. Pigeon Hole Organizer	16 x 16 x 7.5	4005-22	135.00	—	—	—	—
H. Small Parts Organizer	15.75 x 8 x 13	4005-51	344.00	4005-50	512.00	4952-07	565.00
I. Clip Board, Electropolished SS	12 x 9.5	1350-01A-2	59.00	—	—	—	—

VIDEO RESOURCES

Follow the links below to view samples from Terra's extensive library of video resources, which aid in product specification, configuration and operation. Click [here](#) for more knowledge-building resources, including technical white papers and how-to guides.



A. [Pass-Through Features and Applications](#)



B. [Biosafety Cabinet Overview and Smoke Test Visualization](#)



C. [BioSafe Modular Cleanroom Overview](#)



D. [Laminar Flow/Glovebox Isolator: Guide to Proper Use](#)



E. [Gowning Protocol: How to Garb for Optimal Cleanliness](#)



F. [Bactron Chamber: Guide to Proper Use](#)



G. [Compounding Aseptic Isolator \(CAI\): Features Overview](#)



H. [Medical Waste Receptacles: Waste Disposal Guidelines](#)



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