# Product Sampler:
# Cleanroom & Laboratory Equipment

**TERRA UNIVERSAL.COM**
Critical Environment Solutions

*A Sampler from Terra's 688-Page Catalog*

# Advanced Technology

## Stainless Steel Cleanroom Work Benches

*Terra Universal manufactures the most advanced lines of electropolished stainless steel work benches available for high-technology cleanrooms.*

### Solid Top Benches

#### Compare!

**Full Bullnose Front Edge**

Standard on all models, Terra's one-piece bullnose enhances worker comfort while optimizing vertical laminar airflow—without welds or cracks.

#### Competitors' Designs

*Welded bullnose harbors contaminants; sharp bottom angle creates turbulence.*

*Crimped edges leave cracks where particles collect.*

**Model Shown: No. 9601-87**
**36"W x 24"D with "A" Base**

Custom Work is No Problem . . .

### Cylinder Tube Benches

See TerraUniversal.com for ordering information.

"Cylindrical tubes?"

*How about perforations?*

"ERGO EDGE!"

"Two inches w i d e r ?"   "HIGHER?"

DIFFERENT DIAMETER?

*LONGER?"*

We Build to

Your Specs!

Note: All prices and specifications are subject to change without notice.
Crating charges apply to selected items. Call for information.

Stainless Steel
Cleanroom Work
Benches

# Advanced Technology

## Square Tube Benches

Select among three tops: QuietTop™ rods, OpenTop™ perforations, or solid top. All square tube benches are available in an "A" base and a recessed-leg "C" base (for optimal worker comfort and mobility).

### QuietTop™ Rod Top Benches

Rods "float" in a non-outgassing elastomer that dampens noise and vibrations.

### Compare!

Elastomer "potting" eliminates welds around rods, dampens vibration and eliminates particle traps!

*QuietTop™ Rods*

**Competitor's Design**

*Conventional welds trap particles and amplify noise and vibrations.*

**Which Grade of Stainless Steel?**
Unless otherwise specified, **304 SS** is standard.
**316 SS** is always available upon request.

*For ordering information see pages 2-3.*
*Model Shown: No. 9601-20*
*48"W x 30"D with recessed "C" Base*

### Compare! OpenTop™ Perforated Top

Hidden reinforcements minimize dead spots, add strength, and eliminate deflection bounce-back ("oil-can effect") without dead spaces.

ULTRACLEAN PRODUCTS APPROVAL LABORATORY
**CERTIFIED**
FOR CLASS **1** CLEANROOM USE
Dr. Philip R. Austin, P.E.
Dr. Philip J. Austin, Ph.D.
LIVONIA, MICHIGAN USA

**Competitor's Design**

*Conventional perforated tops rely on "blank out" support panels, which create turbulence in a cleanroom laminar flow.*
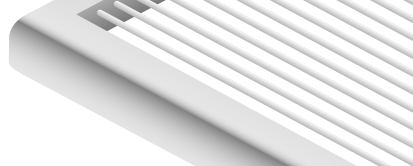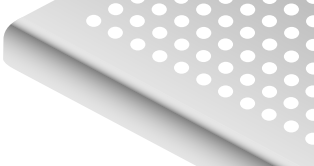
*For ordering information see pages 2-3.*
*Model Shown: No. 9601-62*
*48"W x 30"D with recessed "C" Base*

## HEAVY-DUTY All-Electropolished 304 Stainless Steel Work Stations  (800-lb. load capacity)
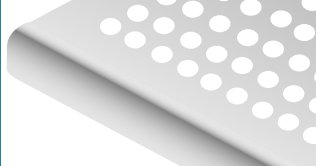
**QuietTop™ Rods with Full Bullnose** ø ¹/₄" rods on 1" centers

**OpenTop™ Perforated with ErgoEdge™ Rounded Front** ø ¹/₄" holes

**OpenTop™ Perforated with ErgoEdge™ Rounded Front** ø ³/₄" holes

**Solid Top with ErgoEdge™ Rounded Front**

| Bench Size ① (W" x D") | "A" Base Cat. # | "C" Base Cat. # | $/Each ① | "A" Base Cat. # | "C" Base Cat. # | $/Each ① | "A" Base Cat. # | "C" Base Cat. # | $/Each ① | "A" Base Cat. # | "C" Base Cat. # | $/Each ① |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 x 24 | 9601-01 | 9601-02 | 1,198.00 | 9604-51 | 9604-72 | 1,395.00 | 9601-43 | 9601-44 | 1,297.00 | 9601-85 | 9601-86 | 1,054.00 |
| 36 x 24 | 9601-03 | 9601-04 | 1,259.00 | 9604-52 | 9604-73 | 1,513.00 | 9601-45 | 9601-46 | 1,365.00 | 9601-87 | 9601-88 | 1,121.00 |
| 48 x 24 | 9601-05 | 9601-06 | 1,442.00 | 9604-53 | 9604-74 | 2,019.00 | 9601-47 | 9601-48 | 1,825.00 | 9601-89 | 9601-90 | 1,360.00 |
| 60 x 24 | 9601-07 | 9601-08 | 1,633.00 | 9604-54 | 9604-75 | 2,191.00 | 9601-49 | 9601-50 | 1,947.00 | 9601-91 | 9601-92 | 1,481.00 |
| 72 x 24 | 9601-09 | 9601-10 | 1,825.00 | 9604-55 | 9604-76 | 2,460.00 | 9601-51 | 9601-52 | 2,167.00 | 9601-93 | 9601-94 | 1,664.00 |
| 84 x 24 | 9601-11 | 9601-12 | 2,062.00 | 9604-56 | 9604-77 | 2,586.00 | 9601-53 | 9601-54 | 2,244.00 | 9601-95 | 9601-96 | 1,870.00 |
| 96 x 24 | 9601-13 | 9601-14 | 2,283.00 | 9604-57 | 9604-78 | 2,978.00 | 9601-55 | 9601-56 | 2,587.00 | 9601-97 | 9601-98 | 2,082.00 |
| 24 x 30 | 9601-15 | 9601-16 | 1,267.00 | 9604-58 | 9604-79 | 1,465.00 | 9601-57 | 9601-58 | 1,365.00 | 9601-99 | 9603-00 | 1,099.00 |
| 36 x 30 | 9601-17 | 9601-18 | 1,365.00 | 9604-59 | 9604-80 | 1,589.00 | 9601-59 | 9601-60 | 1,442.00 | 9603-01 | 9603-02 | 1,256.00 |
| 48 x 30 | 9601-19 | 9601-20 | 1,520.00 | 9604-60 | 9604-81 | 2,118.00 | 9601-61 | 9601-62 | 2,019.00 | 9603-03 | 9603-04 | 1,428.00 |
| 60 x 30 | 9601-21 | 9601-22 | 1,717.00 | 9604-61 | 9604-82 | 2,289.00 | 9601-63 | 9601-64 | 2,045.00 | 9603-05 | 9603-06 | 1,557.00 |
| 72 x 30 | 9601-23 | 9601-24 | 2,025.00 | 9604-62 | 9604-83 | 2,575.00 | 9601-65 | 9601-66 | 2,143.00 | 9603-07 | 9603-08 | 1,756.00 |
| 84 x 30 | 9601-25 | 9601-26 | 2,167.00 | 9604-63 | 9604-84 | 2,700.00 | 9601-67 | 9601-68 | 2,283.00 | 9603-09 | 9603-10 | 1,971.00 |
| 96 x 30 | 9601-27 | 9601-28 | 2,412.00 | 9604-64 | 9604-85 | 3,122.00 | 9601-69 | 9601-70 | 2,733.00 | 9603-11 | 9603-12 | 2,191.00 |
| 24 x 36 | 9601-29 | 9601-30 | 1,336.00 | 9604-65 | 9604-86 | 1,532.00 | 9601-71 | 9601-72 | 1,435.00 | 9603-13 | 9603-14 | 1,152.00 |
| 36 x 36 | 9601-31 | 9601-32 | 1,520.00 | 9604-66 | 9604-87 | 1,665.00 | 9601-73 | 9601-74 | 1,520.00 | 9603-15 | 9603-16 | 1,365.00 |
| 48 x 36 | 9601-33 | 9601-34 | 1,673.00 | 9604-67 | 9604-88 | 2,170.00 | 9601-75 | 9601-76 | 1,977.00 | 9603-17 | 9603-18 | 1,520.00 |
| 60 x 36 | 9601-35 | 9601-36 | 1,886.00 | 9604-68 | 9604-89 | 2,351.00 | 9601-77 | 9601-78 | 2,105.00 | 9603-19 | 9603-20 | 1,633.00 |
| 72 x 36 | 9601-37 | 9601-38 | 2,037.00 | 9604-69 | 9604-90 | 2,566.00 | 9601-79 | 9601-80 | 2,275.00 | 9603-21 | 9603-22 | 1,818.00 |
| 84 x 36 | 9601-39 | 9601-40 | 2,283.00 | 9604-70 | 9604-91 | 2,746.00 | 9601-81 | 9601-82 | 2,403.00 | 9603-23 | 9603-24 | 1,977.00 |
| 96 x 36 | 9601-41 | 9601-42 | 2,435.00 | 9604-71 | 9604-92 | 3,213.00 | 9601-83 | 9601-84 | 2,825.00 | 9603-25 | 9603-26 | 2,129.00 |

① *Prices for "A" base and "C" base designs are the same. Standard height is 30" (floor to top). Heights of 32" and 36" and widths of 34" are available at no extra charge. Specify when ordering.*

# Bench Accessories

Full ordering information at www.TerraUniversal.com.

**A. Electropolished 304 Stainless Steel Drawers**

**B. Foot Stool** ~ Electropolished Stainless Steel
Cat. # **2803-90**    $227.00

**C. Retractable Keyboard Tray** ~ .25" rods mounted on nylon rollers for clean operation. 24" wide.
Cat. # **1540-01-2**    $430.00

**D. Enclosed Power Strips** ~ GFCI outlets with vacuum fittings, in many widths.

**E. Equipment Mounts** ~ Clip onto rod tops. Several standard sizes.

**F. Electropolished Stainless Steel Mounting Feet**
Cat. # **1540-04-2**    $21.00

**G. Polypropylene Fixed Mounting Feet**
Cat. # **1534-50**    $29.00

# LIGHT DUTY
## Square Tube Bases

Stainless Steel
Cleanroom Work
Benches

# Advanced Technology

**LIGHT-DUTY All-Electropolished 304 Stainless Steel Work Stations** (200-lb. load capacity; "A" & "C" bases are 1" square tubes)

**QuietTop™ Rods with Full Bullnose ø 1/4" rods on 1" centers**

**OpenTop™ Perforated with ErgoEdge™ Rounded Front ø 1/4" holes**

**OpenTop™ Perforated with ErgoEdge™ Rounded Front ø 3/4" holes**

**Solid Tops with ErgoEdge™ Rounded Front**

| Bench Size ① (W" x D") | "A" Base Cat. # | "C" Base Cat. # | $/Each ① | "A" Base Cat. # | "C" Base Cat. # | $/Each ① | "A" Base Cat. # | "C" Base Cat. # | $/Each ① | "A" Base Cat. # | "C" Base Cat. # | $/Each ① |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 x 24 | 9603-90 | 9603-91 | 1,118.00 | 9604-93 | 9605-02 | 1,197.00 | 9604-08 | 9604-09 | 1,099.00 | 9604-26 | 9604-27 | 1,031.00 |
| 36 x 24 | 9603-92 | 9603-93 | 1,221.00 | 9604-94 | 9605-03 | 1,321.00 | 9604-10 | 9604-11 | 1,176.00 | 9604-28 | 9604-29 | 1,071.00 |
| 48 x 24 | 9603-94 | 9603-95 | 1,318.00 | 9604-95 | 9605-04 | 1,503.00 | 9604-12 | 9604-13 | 1,308.00 | 9604-30 | 9604-31 | 1,176.00 |
| 24 x 30 | 9603-96 | 9603-97 | 1,157.00 | 9604-96 | 9605-05 | 1,211.00 | 9604-14 | 9604-15 | 1,112.00 | 9604-32 | 9604-33 | 1,071.00 |
| 36 x 30 | 9603-98 | 9603-99 | 1,374.00 | 9604-97 | 9605-06 | 1,454.00 | 9604-16 | 9604-17 | 1,308.00 | 9604-34 | 9604-35 | 1,202.00 |
| 48 x 30 | 9604-00 | 9604-01 | 1,539.00 | 9604-98 | 9605-07 | 1,652.00 | 9604-18 | 9604-19 | 1,455.00 | 9604-36 | 9604-37 | 1,332.00 |
| 24 x 36 | 9604-02 | 9604-03 | 1,295.00 | 9604-99 | 9605-08 | 1,282.00 | 9604-20 | 9604-21 | 1,185.00 | 9604-38 | 9604-39 | 1,107.00 |
| 36 x 36 | 9604-04 | 9604-05 | 1,419.00 | 9605-00 | 9605-09 | 1,532.00 | 9604-22 | 9604-23 | 1,385.00 | 9604-40 | 9604-41 | 1,319.00 |
| 48 x 36 | 9604-06 | 9604-07 | 1,578.00 | 9605-01 | 9605-10 | 1,714.00 | 9604-24 | 9604-25 | 1,520.00 | 9604-42 | 9604-43 | 1,346.00 |

① Prices for "A" base and "C" base designs are the same. Standard height is 30" (floor to top). Heights of 32" and 36" and widths of 34" are available at no extra charge. Specify when ordering.

**Above-Bench Shelf**
Support uprights can be added to any standard Terra work station to accommodate an overtop shelf made of 1/4"-diameter rods on 2" centers. Standard height of a 12"D shelf is 12" above the bench surface (custom shelf depths and heights are available).
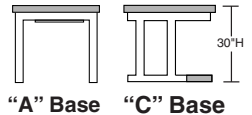
*Perforated shelves now available!*

**Under-Bench Shelf**
Standard mounting is 21 1/2" above the floor. Select 12"D or 18"D (custom shelf depths and heights are available). Made of 1/4"-diameter rods on 2" centers.

**Base Styles**
Heavy Duty — 1½" x 1½" square tubes
Light Duty — 1" x 1" square tubes

"A" Base     "C" Base     30"H

| | For Bench Width | Rod Shelves (1/4" rods on 2" centers) | | | | | | Perforated Shelves (3/4" holes) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Above-Bench ② | | Under-Bench ② | | | | Above-Bench ② | | Under-Bench ② | | | |
| | | 12"D, fixed 12" above bench | | 12"D, fixed 21.5" above floor | | 18"D, fixed 21.5" above floor | | 12"D, fixed 12" above bench | | 12"D, fixed 21.5" above floor | | 18"D, fixed 21.5" above floor | |
| | | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| **For "C" Bases** | 24" | 1530-69-2 | 328.00 | 1530-68-2 | 269.00 | 1530-67-2 | 357.00 | 1534-00-2 | 298.00 | 1534-07-2 | 245.00 | 1534-14-2 | 324.00 |
| | 36" | 1530-86-2 | 357.00 | 1530-87-2 | 328.00 | 1530-88-2 | 415.00 | 1534-01-2 | 324.00 | 1534-08-2 | 298.00 | 1534-15-2 | 378.00 |
| | 48" | 1532-20-2 | 385.00 | 1525-61-2 | 357.00 | 1525-62-2 | 429.00 | 1534-02-2 | 351.00 | 1534-09-2 | 324.00 | 1534-16-2 | 392.00 |
| | 60" | 1532-21-2 | 429.00 | 1525-80-2 | 385.00 | 1525-84-2 | 503.00 | 1534-03-2 | 392.00 | 1534-10-2 | 351.00 | 1534-17-2 | 457.00 |
| | 72" | 1532-22-2 | 510.00 | 1525-81-2 | 415.00 | 1525-85-2 | 546.00 | 1534-04-2 | 463.00 | 1534-11-2 | 378.00 | 1534-18-2 | 498.00 |
| | 84" | 1532-23-2 | 621.00 | 1525-82-2 | 474.00 | 1525-86-2 | 722.00 | 1534-05-2 | 563.00 | 1534-12-2 | 429.00 | 1534-19-2 | 656.00 |
| | 96" | 1532-24-2 | 656.00 | 1525-83-2 | 692.00 | 1525-87-2 | 809.00 | 1534-06-2 | 597.00 | 1534-13-2 | 630.00 | 1534-20-2 | 735.00 |
| **For "A" Bases** | 24" | 1527-65-2 | 328.00 | 1527-72-2 | 269.00 | 1527-79-2 | 357.00 | 1534-21-2 | 298.00 | 1534-28-2 | 245.00 | 1534-35-2 | 324.00 |
| | 36" | 1527-66-2 | 357.00 | 1527-73-2 | 328.00 | 1527-80-2 | 415.00 | 1534-22-2 | 324.00 | 1534-29-2 | 298.00 | 1534-36-2 | 378.00 |
| | 48" | 1527-67-2 | 385.00 | 1527-74-2 | 357.00 | 1527-81-2 | 429.00 | 1534-23-2 | 351.00 | 1534-30-2 | 324.00 | 1534-37-2 | 392.00 |
| | 60" | 1527-68-2 | 429.00 | 1527-75-2 | 385.00 | 1527-82-2 | 503.00 | 1534-24-2 | 392.00 | 1534-31-2 | 351.00 | 1534-38-2 | 457.00 |
| | 72" | 1527-69-2 | 510.00 | 1527-76-2 | 415.00 | 1527-83-2 | 546.00 | 1534-25-2 | 463.00 | 1534-32-2 | 378.00 | 1534-39-2 | 498.00 |
| | 84" | 1527-70-2 | 621.00 | 1527-77-2 | 474.00 | 1527-84-2 | 722.00 | 1534-26-2 | 536.00 | 1534-33-2 | 429.00 | 1534-40-2 | 656.00 |
| | 96" | 1527-71-2 | 656.00 | 1527-78-2 | 692.00 | 1527-85-2 | 809.00 | 1534-27-2 | 597.00 | 1534-34-2 | 630.00 | 1534-41-2 | 735.00 |

② Price includes mounting at height specified.

# Cleanroom Work Stations



*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



**IonBar™** (with fan module)
Projects a balanced stream of positive ions for neutralization of static charges throughout a restricted area. Requires shelf and shelf support for fixed installation. Can be used with any Terra bench.

| | Cat. # | $/Each |
|---|---|---|
| 22" Long | **2005-30** | 777.00 |
| 33" Long | **2005-32** | 878.00 |
| 44" Long | **2005-31** | 979.00 |

## Laminate Tops

- Sealed laminate top design meets Class 100 particle requirements

- Static-dissipative laminate ($10^6$ to $10^8$ ohms/sq.) safely dissipates charges to reduce possibility of electro-static discharge (meets MIL-B-81705-B specifications)

- Select adjustable "A" base or recessed "C" base to suit your application requirements

- Optional modular overhead fluorescent light fixture provides shadow-free viewing anywhere on benchtop surface

- Optional ionizing fan provides safe, reliable, static neutralization

| 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) Cat. # | "C"Base Design (recessed legs) Cat. # | $/Each | "A" Base Design (telescoping legs) Cat. # | "C"Base Design (recessed legs) Cat. # | $/Each | "A"Base Design (telescoping legs) Cat. # | "C"Base Design (recessed legs) Cat. # | $/Each | "A" Base Design (telescoping legs) Cat. # | "C" Base Design (recessed legs) Cat. # | $/Each |
| 48 x 30 | **1521-45** | **1521-54** | 960.00 | **1522-56** | **1522-66** | 1,223.00 | **1722-00** | **1521-09** | 552.00 | **1728-00** | **1521-31** | 855.00 |
| 60 x 30 | **1751-00** | **1521-55** | 1,037.00 | **1522-57** | **1522-67** | 1,317.00 | **1724-00** | **1000-00** | 608.00 | **1730-00** | **1521-32** | 876.00 |
| 72 x 30 | **1752-00** | **1521-56** | 1,088.00 | **1522-58** | **1522-68** | 1,507.00 | **1726-00** | **1000-01** | 617.00 | **1732-00** | **1521-33** | 915.00 |
| 84 x 30 | **1521-46** | **1521-57** | 1,135.00 | **1522-59** | **1522-69** | 1,665.00 | **1521-01** | **1000-02** | 688.00 | **1521-23** | **1521-34** | 921.00 |
| 96 x 30 | **1753-00** | **1521-58** | 1,168.00 | **1522-60** | **1522-70** | 1,807.00 | **2402-00** | **1000-03** | 737.00 | **2400-00** | **1521-35** | 1,060.00 |
| 48 x 34 | **1521-49** | **1521-61** | 1,038.00 | **1522-61** | **1522-71** | 1,229.00 | **1723-00** | **1521-16** | 593.00 | **1700-29** | **1521-38** | 886.00 |
| 60 x 34 | **1700-65** | **1521-62** | 1,120.00 | **1522-62** | **1522-72** | 1,455.00 | **1725-00** | **1521-17** | 619.00 | **1731-00** | **1521-39** | 910.00 |
| 72 x 34 | **1700-66** | **1521-63** | 1,156.00 | **1522-63** | **1522-73** | 1,590.00 | **1727-00** | **1521-18** | 659.00 | **1733-00** | **1521-40** | 961.00 |
| 84 x 34 | **1521-50** | **1521-64** | 1,219.00 | **1522-64** | **1522-74** | 1,847.00 | **1521-05** | **1521-19** | 723.00 | **1521-27** | **1521-41** | 1,037.00 |
| 96 x 34 | **1521-51** | **1521-65** | 1,265.00 | **1522-65** | **1522-75** | 2,085.00 | **1521-06** | **1521-20** | 770.00 | **1521-28** | **1521-42** | 1,100.00 |

*\* 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 powder coat.*
*\*\* For .25" diameter perforations, add $32/ft. of width to the standard pricing.*

*A-Base Bench No. 1522-01, shown with optional drawers*

## Chemical-Resistant Tops

- Lightweight polypropylene work surface provides optimal protection against acids and other caustic chemicals

- Cleanroom-compatible design meets Class 100 particle requirements

- Perforated top with plenum chamber available for venting fumes during wet processing operations

- Raised "ship's edges" available to contain dangerous spills

- Modular overhead fixture houses three-position fluorescent light (order separately)



**Stainless Steel Leg Member**

Replaces lower leg of A-Base benches to guard against scuffs.

| Cat. # | $/Each |
|---|---|
| **1741-25** | **24.00** |

### Cleanroom Drawers (See Cat. # 105, page 349 for other models)

| No. of Drawers | Min. Drawer Height | ABS Plastic (14⅛"W x 15¼"D) | | 304 Stainless Steel (14½"W x 18"D) | |
|---|---|---|---|---|---|
| | | Cat. # | $/Each | Cat. # | $/Each |
| 1 | 3" | 1740-23 | 144.00 | — | — |
| 1 | 6" | 1740-02 | 152.00 | 1741-20 | 248.00 |
| 1 | 12" | 1740-98 | 188.00 | 1741-21 | 352.00 |
| 2 | 3", 6" | 1740-14 | 296.00 | — | — |
| 2 | 6", 6" | 1740-15 | 306.00 | 1741-22 | 496.00 |
| 2 | 6", 12" | 1740-06 | 341.00 | 1741-23 | 604.00 |
| 3 | 3", 6", 12" | 1740-07 | 461.00 | — | — |
| 3 | 6", 6", 6" | 1740-09 | 458.00 | 1741-24 | 743.00 |
| 4 | 3", 3", 6", 6" | 1740-08 | 594.00 | — | — |

### Shelf and Light Supports

| Material | For Light/Shelf (36") | | For Shelf Only (18") | |
|---|---|---|---|---|
| | Cat. # | $/Pair | Cat. # | $/Pair |
| Stainless Steel | 1525-68 | 245.00 | 1525-69 | 178.00 |
| Finished Steel | 1524-50 | 119.00 | 1524-51 | 94.00 |

| Polypropylene Tops | | | Corresponding Accessories | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benchtop Dimens. (W" x D") | Polypropylene Solid Top | | | Fluorescent 304 Stainless Light Fixtures (finished steel) | | Nonconductive Steel Shelf (12" X 1.25") (Fits on either upright) | | Static-Dissipative Shelf (12" X 1.25") (Fits on either upright) | | Shelf (12" X 1.25") (Fits on either upright) | |
| | "A" Base Design (Telescoping Legs) | "C" Base Design (Recessed Legs) | | | | | | | | | |
| | Cat. # | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| 48 x 30 | 1522-00 | 1522-14 | 829.00 | 1524-78 | 519.00 | 1525-26 | 497.00 | 1527-07 | 120.00 | 1524-80 | 218.00 |
| 60 x 30 | 1522-01 | 1522-15 | 867.00 | 1700-76 | 565.00 | 1525-27 | 527.00 | 1000-65 | 123.00 | 1700-90 | 223.00 |
| 72 x 30 | 1522-02 | 1522-16 | 890.00 | 1700-78 | 608.00 | 1525-28 | 554.00 | 1000-66 | 130.00 | 1700-92 | 241.00 |
| 84 x 30 | 1522-03 | 1522-17 | 898.00 | 1527-00 | 637.00 | 1525-29 | 567.00 | 1000-67 | 136.00 | 1527-35 | 248.00 |
| 96 x 30 | 1522-04 | 1522-18 | 1,033.00 | 1700-80 | 688.00 | 1525-30 | 590.00 | 1000-68 | 143.00 | 1700-94 | 259.00 |
| 48 x 34 | 1522-07 | 1522-21 | 867.00 | 1524-78 | 519.00 | 1525-26 | 497.00 | 1527-07 | 120.00 | 1524-80 | 218.00 |
| 60 x 34 | 1522-08 | 1522-22 | 888.00 | 1700-76 | 565.00 | 1525-27 | 527.00 | 1000-65 | 123.00 | 1700-90 | 223.00 |
| 72 x 34 | 1522-09 | 1522-23 | 938.00 | 1700-78 | 608.00 | 1525-28 | 554.00 | 1000-66 | 130.00 | 1700-92 | 241.00 |
| 84 x 34 | 1522-10 | 1522-24 | 1,014.00 | 1527-00 | 637.00 | 1525-29 | 567.00 | 1000-67 | 136.00 | 1527-35 | 248.00 |
| 96 x 34 | 1522-11 | 1522-25 | 1,078.00 | 1700-80 | 688.00 | 1525-30 | 590.00 | 1000-68 | 143.00 | 1700-94 | 259.00 |

*\* Frame and legs feature a powder-coat finish. C-Base includes stainless steel scuff–guards to protect against scratching (order separately for A-Base).*

**Base Styles:**



Telescoping "A" Base – Adjustable 25"-34"H
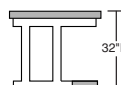
Recessed "C" Base

# Cleanroom Work Stations



**No. 1570-53A - Stainless Steel Top**

## Vibration-Free Work Station

- **Pneumatic vibration-free mounts isolate up to 90% of building vibration, eliminate operator fatigue and nausea during microscope operations**
- **Low-profile, ergonomic design combines stability with convenience**
- **Built-in pneumatic controller simplifies leveling, allows continuous in-line operation**
- **Meets Class 100 particle requirements**
- **Bumper isolates front edge, provides an arm rest.**
- **Select work surface material for your application: nonconductive and dissipative laminates, stainless steel, and UltraClean™ electropolished stainless steel**
- **Available in UltraClean™ Finished Stainless Steel for the most critical contamination requirements**

| Vibration–Free Work Stations | | | Nonconductive Top | | Static Dissipative Top | | 304 Stainless Steel Top | | | | UltraClean™ Stainless Steel Top, Frame & Legs | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Work Surface Dimensions (W" x D") | Number of Isolators | Maximum Load * (lbs.) | "A" Base Design** | | "A" Base Design** | | w/ Finished CR Steel Frame, Legs "A" Base Design** | | All Stainless Steel Construction "A" Base Design** | | "A" Base Design** | |
| | | | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| 48 x 30 | 4 | 360 | 1570-00A | 1,704 | 1570-26A | 1,886 | 1570-52A | 2,089 | 1570-80A | 2,518 | 1570-80-2A | 2,866 |
| 60 x 30 | 4 | 350 | 1570-01A | 1,734 | 1570-27A | 1,917 | 1570-53A | 2,158 | 1570-81A | 2,611 | 1570-81-2A | 2,991 |
| 72 x 30 | 6 | 550 | 1570-02A | 1,748 | 1570-28A | 1,936 | 1570-54A | 2,204 | 1570-82A | 2,691 | 1570-82-2A | 3,107 |
| 84 x 30 | 6 | 540 | 1570-03A | 1,796 | 1570-29A | 2,084 | 1570-55A | 2,313 | 1570-83A | 2,849 | 1570-83-2A | 3,300 |
| 96 x 30 | 6 | 530 | 1570-04A | 1,894 | 1570-30A | 2,187 | 1570-56A | 2,411 | 1570-84A | 2,974 | 1570-84-2A | 3,421 |
| 48 x 34 | 4 | 360 | 1570-07A | 1,655 | 1570-33A | 1,912 | 1570-59A | 2,159 | 1570-87A | 2,602 | 1570-87-2A | 2,837 |
| 60 x 34 | 4 | 350 | 1570-08A | 1,705 | 1570-34A | 1,962 | 1570-60A | 2,263 | 1570-88A | 2,693 | 1570-88-2A | 3,074 |
| 72 x 34 | 6 | 550 | 1570-09A | 1,769 | 1570-35A | 1,987 | 1570-61A | 2,400 | 1570-89A | 2,849 | 1570-89-2A | 3,266 |
| 84 x 34 | 6 | 540 | 1570-10A | 1,885 | 1570-36A | 2,169 | 1570-62A | 2,480 | 1570-90A | 3,095 | 1570-90-2A | 3,231 |
| 96 x 34 | 6 | 530 | 1570-11A | 1,920 | 1570-37A | 2,287 | 1570-63A | 2,604 | 1570-91A | 3,137 | 1570-91-2A | 3,299 |

*\* Maximum loads with plate weights removed.*
*\*\* Nonadjustable (one piece) legs also available with "A" base design at no extra cost (specify when ordering).*
*Select stainless steel scuff guards to protect finished steel legs. See page 5.*



Room Air
Filtered Air
Contaminated Air

## A. DownDraft™ Work Station

This work station is ideal for soldering or chemical processing that requires the removal of potentially hazardous fumes. Its powerful 1200 CFM blower draws exhaust fumes downward, away from the operator, for safe removal and purification. The activated charcoal filter removes 98% of most organic chemical vapors, allowing safe release.

Benchtops, made of cleanroom-grade white laminate, raise the work surface 32" off the floor. Exhaust fumes enter the filter through three perforated stainless steel platforms positioned at the center of the work surface. Specify other desired platform sizes or locations.

### Benchtop Dimensions

| (32"H, including leveling feet) | 110VAC/60Hz Cat. # | 220VAC/50Hz Cat. # | $/Each |
|---|---|---|---|
| 48"W x 30"D | 1728-01 | 1728-01-220 | 3,747.00 |
| 60"W x 30"D | 1728-02 | 1728-02-220 | 4,137.00 |
| 72"W x 30"D | 1728-03 | 1728-03-220 | 4,510.00 |
| 48"W x 34"D | 1728-06 | 1728-06-220 | 3,765.00 |
| 60"W x 34"D | 1728-07 | 1728-07-220 | 4,156.00 |
| 72"W x 34"D | 1728-08 | 1728-08-220 | 4,529.00 |

### Filters

| | Cat. # | $/Each |
|---|---|---|
| Activated Charcoal | 1716-00A | 312.00 |
| HEPA | 1681-02 | 260.00 |

# Cleanroom Work Stations

## Vibration-Free Platform

- **Portable low-profile design allows for multiple vibration-free work stations on a single bench**

- **Pneumatic vibration-isolation mounts dampen up to 90% of building vibration, eliminate operator fatigue and nausea during microscope operations**

- **Also isolates vibration-producing equipment from the work surface**

- **Available in several sizes and materials, including UltraClean™ electropolished stainless steel**

- **Easy to set up and relocate**

### Just a Few Applications . . .

- **High-Magnification Microscope/ Video Inspection**
- **Wire Bonding and Wire Bond Testing**
- **Scanning Electron Microscope (SEM) Inspection**
- **Tunneling Electron Microscope (TEM) Inspection**
- **Laser Surgery and Laser Processing**
- **High-Precision Electronic Balance Measurement**
- **Wafer Inspection and Probing**
- **FTIR Spectroscopy**
- **Thin Film Deposition**
- **Surface Profiling**
- **Doppler Velocimetry**
- **Biological Sample Manipulation**
- **Confocal Microscopy**



*QUICK Ship*

| Specifications | | | Vibration-Free Platform |
|---|---|---|---|
| **Work Surface** (W" x D" x H") | **Maximum Load\*** (lbs.) | **Shipping Weight** (lbs.) | **UltraClean™ Finish 304 Stainless Steel Top** Cat. #          $/Each |
| $21^3/_4$ x $18^1/_4$ x 3 | 213 | 163 | **1580-02**        2,166.00 |
| 23 x 24 x 3 | 213 | 203 | **1580-03**        2,430.00 |

*\* Internal plate weight should be removed before operation with net loads over 100 lbs.*

## ErgoHeight™ Auto-Adjusting Cleanroom Work Stations

- **Motorized lifters automatically raise, lower and level the work surface for optimal operator comfort and convenience**

- **Ergonomic benchtop positioning eliminates back stress—and costly lawsuits!**

- **Front panel-mounted controls ensure easy operation**

- **Sealed design isolates motor to guard against contamination and meet Class 100 particle standards**

- **Available with several top materials and powder-coated or stainless steel base**

- **Ideal for operations with high-profile processing equipment**



*One size fits all!*

### ErgoHeight™ Auto-Adjustable Cleanroom Work Stations

| Benchtop Dimensions (W" x D") | Powder-Coated Steel Bases | | | | 304 Stainless Steel Bases | |
|---|---|---|---|---|---|---|
| | **Nonconductive Top** Cat. #        $/Each | **Static-Dissipative Top** Cat. #        $/Each | **Polypropylene Top** Cat. #        $/Each | **304 Stainless Steel Top** Cat. #        $/Each | **304 Stainless Steel Top** Cat. #        $/Each | **Electropolished Top and Base** Cat. #        $/Each |
| 36 x 30 | **3504-16**  2,415.00 | **3504-24**  2,671.00 | **3504-32**  2,680.00 | **3504-04**  2,811.00 | **3504-40**  3,155.00 | **3504-00**  3,516.00 |
| 48 x 30 | **3504-17**  2,511.00 | **3504-25**  2,768.00 | **3504-33**  2,775.00 | **3504-05**  2,907.00 | **3504-41**  3,269.00 | **3504-01**  3,630.00 |
| 60 x 30 | **3504-18**  2,666.00 | **3504-26**  2,924.00 | **3504-34**  2,930.00 | **3504-06**  3,064.00 | **3504-42**  3,390.00 | **3504-02**  3,750.00 |
| 72 x 30 | **3504-19**  2,775.00 | **3504-27**  3,032.00 | **3504-35**  3,039.00 | **3504-07**  3,171.00 | **3504-43**  3,500.00 | **3504-03**  3,861.00 |
| 36 x 34 | **3504-20**  2,475.00 | **3504-28**  2,732.00 | **3504-36**  2,739.00 | **3504-08**  2,871.00 | **3504-44**  3,215.00 | **3504-12**  3,576.00 |
| 48 x 34 | **3504-21**  2,540.00 | **3504-29**  2,796.00 | **3504-37**  2,804.00 | **3504-09**  2,936.00 | **3504-45**  3,330.00 | **3504-13**  3,691.00 |
| 60 x 34 | **3504-22**  2,695.00 | **3504-30**  2,952.00 | **3504-38**  2,959.00 | **3504-10**  3,092.00 | **3504-46**  3,451.00 | **3504-14**  3,810.00 |
| 72 x 34 | **3504-23**  2,804.00 | **3504-31**  3,060.00 | **3504-39**  3,068.00 | **3504-11**  3,200.00 | **3504-47**  3,560.00 | **3504-15**  3,920.00 |

# Class 100
## Cleanroom Chairs
### *from BioFit*

- **Certified by an independent laboratory to meet Class 100 specifications of Federal Standard 209E**

- **Ergonomic seat guarantees worker comfort, reduces fatigue and back injuries**

- **Static-safe models feature a dissipative vinyl with 5.3 x 10$^6$ ohms/square resistivity**

**A-E.  Class 100 and Static Control**
Clean vinyl meets Class 100 particle requirements. Static-control chairs feature dissipative vinyl, conductive casters, and grounding chains. Many other models available; refer to Catalog 105!

**Duragrain Styrene Chair**

| Cat. # | $/Each |
|---|---|
| **2804-74** | **249.00** |

**Static Control Stool**

| Cat. # | $/Each |
|---|---|
| **2804-17** | **292.00** |

*No. 2801-99*

**M** *No. 2802-39*  **N**

## Laboratory Chairs
*See full line at TerraUniversal.com*

| Specifications | | Ergonomic Static-Control Chairs | | | |
|---|---|---|---|---|---|
| **Height** | **Color** | **M** | | **N** | |
| | | Cat. # | $/Each | Cat. # | $/Each |
| Desk | Black | – | – | 2801-99 | 367.00 |
| | Blue | 2802-37 | 419.00 | 2802-00 | 367.00 |
| | Grey | 2802-38 | 419.00 | – | – |
| Bench | Black | – | – | 2802-01 | 374.00 |
| | Blue | 2802-39 | 428.00 | 2802-02 | 374.00 |
| | Grey | 2802-40 | 428.00 | – | – |

**A**
*Class 100 Ergonomic Static-Control Chair #2802-62*

**B**
*Class 100 Ergonomic Static-Control Chair #2802-68*

**C**
*Class 100 Ergonomic Static-Control Chair #2802-73*

**D**
*Class 100 Ergonomic Chair #2803-05*

**E**
*Class 100 Ergonomic Chair #2802-94*

| Specifications | | Class 100 Static Control | | | | | | Class 100 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Height** | **Color** | **A** | | **B** | | **C** | | **D** | | **E** | |
| | | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| Desk | Black | 2802-61 | 469.00 | 2802-67 | 426.00 | 2802-73 | 455.00 | 2803-01 | 460.00 | 2802-93 | 429.00 |
| | Blue | 2802-62 | 469.00 | 2802-68 | 426.00 | 2802-74 | 455.00 | 2803-02 | 460.00 | 2802-94 | 429.00 |
| Bench | Black | 2802-64 | 476.00 | 2802-70 | 428.00 | 2802-76 | 464.00 | 2803-05 | 468.00 | 2803-09 | 482.00 |
| | Blue | 2802-65 | 476.00 | 2802-71 | 428.00 | 2802-77 | 464.00 | 2803-06 | 468.00 | 2803-10 | 482.00 |

# Class 1-10
## Cleanroom Chairs
### from BioFit

- **Integral, sealed breather lung isolates potential sources of contaminates while preserving seating comfort for optimal cleanliness**

- **Certified by an independent laboratory to meet requirements of Federal Standard 209E**

- **Available in static-dissipative vinyl fabric for protection against electrostatic discharge**

**F-J.   Class 10 and Cleaner!**
Select from several base styles. Types F- H feature a microfiber fabric that allows chair to breathe through micropores. Types I and J feature a breather lung that contains contaminants.

*Dozens of other models available at TerraUniversal.com*

### Adjustabale Chrome-Plated Stools

| | Cat. # | $/Each |
|---|---|---|
| **K.** 17"-22" | **2804-65** | **180.00** |
| **L.** 13"-18" | **2804-68** | **198.00** |

*Class 1 #2805-06*

*Class 10 with Microfiber #2803-49*

*Class 10 with Microfiber #2803-57*

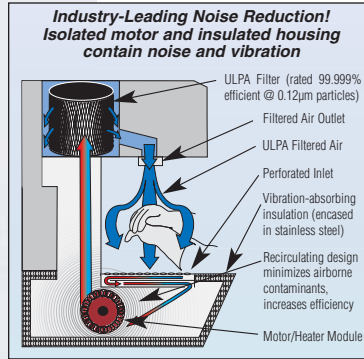*Class 10 with Breather Lung #2803-22*

*Class 10 with Breather Lung #2803-38*

| Specifications | | Class 1 Chair | | Class 10 Microfiber | | | | Class 10 Breather Lung | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Height** | **Color** | **F** | | **G. Standard Back** | | **H. Ergo Back** | | **I. Standard Vinyl** | | **J. ESD Vinyl*** | |
| | | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| Desk | Black | — | — | 2803-49 | 470.00 | 2803-57 | 464.00 | 2803-17 | 418.00 | 2803-33 | 447.00 |
| | Blue | — | — | 2803-50 | 470.00 | 2803-58 | 464.00 | 2803-18 | 418.00 | 2803-34 | 447.00 |
| Bench | Black | 2805-05 | 655.00 | 2803-53 | 477.00 | 2803-73 | 537.00 | 2803-21 | 426.00 | 2803-37 | 454.00 |
| | Blue | 2805-06* | 655.00 | 2803-54 | 477.00 | 2803-74 | 537.00 | 2803-22 | 426.00 | 2803-38 | 454.00 |

**\* This ESD model includes a grounding chain.**

# PureDry™ Hand/Glove Dryer



**Industry-Leading Noise Reduction!**
*Isolated motor and insulated housing contain noise and vibration*

- ULPA Filter (rated 99.999% efficient @ 0.12μm particles)
- Filtered Air Outlet
- ULPA Filtered Air
- Perforated Inlet
- Vibration-absorbing insulation (encased in stainless steel)
- Recirculating design minimizes airborne contaminants, increases efficiency
- Motor/Heater Module

**QUICK Ship**

*Prices Reduced! Call for quantity discounts.*

- Provides warm, contamination-free air for drying hands and gloves
- Also ideal for drying tools, bottles, microelectronic components and other small materials
- Eliminates the need for towels that shed particles and harbor germs
- ULPA (Ultra Low Penetration Air) filter captures microcontaminants. Filter rated 99.999% effective @ 0.12μm particles
- Insulation and motor isolation reduce noise and vibration levels
- Recirculating air design minimizes turbulence for enhanced cleanliness
- Wide exposure area allows complete drying of elbow-length gloves
- Photo-electric cell and adjustable timer allow no-touch operation
- Can be mounted on wall or benchtop

**PureDry™ Hand/Glove Dryer**

| | Cat. # | $/Each |
|---|---|---|
| 120VAC/60Hz | **3333-33** | **1,892.00** |
| 220VAC/50Hz | **3333-33-220** | **1,892.00** |

Dimensions: 15"W x 21⅛"H x 11"D
Heater: 700W

# Hand and Glove Washing/Drying Station

- Incorporates washing and ULPA-filtered drying modules in one cleanroom-compatible station
- Hands-free, noncontaminating activation
- Optional liquid soap dispenser is ideal for aseptic cleaning
- Dryer module incorporates noise-absorbing insulation and isolated motor for quiet operation



*The only cleanroom-compatible, integrated washing/drying station!*

This integrated washing/drying station is specifically designed for use in critical cleanroom and gowning room environments.

### Industry-Leading Quiet Operation

The integral 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. Because the motor is isolated and encased in noise-absorbing insulation, the dryer operates at a fraction of the noise level associated with automatic dryers. The dryer housing swings open for easy access to filter and electronics.

| Hand/Glove Cleaning Station | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Dimensions** | **No. of Sinks** | **304 Stainless Steel** | | | **Electropolished 304 Stainless Steel** | | | **Soap Dispensing Module\*** | |
| (W x D x H) Includes levelers | | 110VAC/60Hz Cat. # | 220VAC/50Hz Cat. # | $/Each | 110VAC/60Hz Cat. # | 220VAC/50Hz Cat. # | $/Each | Cat. # | $/Each |
| 24" x 22" x 61" | 1 | 9600-60 | 9600-60-220 | 4,781.00 | 9600-05 | 9600-05-220 | 5,537.00 | 9600-64 | 100.00 |
| 48" x 22" x 61" | 2 | 9600-61 | 9600-61-220 | 9,448.00 | 9600-06 | 9600-06-220 | 10,961.00 | 9600-64 | 100.00 |
| 96" x 22" x 61" | 4 | 9600-62 | 9600-62-220 | 17,646.00 | 9600-07 | 9600-07-220 | 20,672.00 | 9600-64 | 100.00 |
| 144" x 22" x 61" | 6 | 9600-63 | 9600-63-220 | 25,214.00 | 9600-08 | 9600-08-220 | 29,754.00 | 9600-64 | 100.00 |

*\* Order one per sink.*

**Includes 3" Safety Ledges**

### A-F. Step Stools and Ladders

Fabricated of 304 stainless steel and electropolished to ensure an ultra-smooth surface, these step stools and ladders include spring-loaded safety casters that retract under load. Perforations limit particle accumulation. Custom sizes available.

| | Top Platform (W" x D") | Overall Dimensions (W" x D" x H") | No. of Steps | Electropolished Stainless Steel Cat. # | $/Each |
|---|---|---|---|---|---|
| A | 30 x 14 | 30 x 20 x 24 | 2 | 2805-50A | 1,146.00 |
| B | 30 x 12 | 30 x 28 x 34 | 3 | 2805-51A | 1,531.00 |
| D | 30 x 12 | 30 x 28 x 60 | 3* | 2805-53A | 1,755.00 |
| E | 30 x 12 | 30 x 30 x 70 | 4* | 2805-52A | 2,637.00 |
| F | 30 x 16 | 30 x 40 x 80 | 5* | 2805-54A | 3,337.00 |
| C | 30 x 36 | 30 x 76 x 86 | 5* | 2805-55A | 3,633.00 |

*\* Includes safety handrail. Styles D – F not shown.*

### G/H. Gowning Room Bootie Cabinets

The Perforated-Shelf Cabinet (G) features ten shelves with ¾"-diameter perforations that hold up to 60 pairs of booties. The shelf perforations are designed to accommodate a vertical laminar flow of air inside the change room, helping to minimize turbulence and optimize particle control.

The Enclosed Cabinet (H) features 42 pairs of storage slots (one for shoes, one for booties) arranged on seven levels, which allows for labeling of shoe and bootie slots for specific personnel.

All units are fabricated of electropolished 304 stainless steel, meeting today's ultra-pure requirements.

Custom sizes and configurations are available–just send us your specification.

| Gowning Room Bootie/Shoe Cabinets | | | | |
|---|---|---|---|---|
| Description | No. of Slots | Dimensions (inches) | Cat. # | $/Each |
| G. Perforated Shelf Cabinet | 60 | 48W x 14D x 68H | 9600-03B | 4,084.00 |
| H. Enclosed Shelf Cabinet | 42 | 61W x 18D x 72H | 9600-04B | 3,582.00 |

### I-M. Cleanroom Waste Receptacles

These foot-pedal operated receptacles provide the perfect solution to cleanroom waste disposal problems.

Fabricated of 304 nonmagnetic stainless steel and available with electropolishing, they are designed to provide years of constant service in the cleanroom without contamination. Their no-spring foot pedal lets an operator dispose of waste without the need to touch the receptacle, and the tight-fitting, gasketed lid forms a nearly air-tight seal to contain waste safely.

| Cleanroom Waste Receptacles | | | | | | | | Corresponding Rigid Liner | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Type | Capacity (Gallons) | Dimensions W x D x H (in.) | Ship. Wt. (lbs.) | 304 Stainless Steel Cat. # | $/Each | Electropolished 304 Stainless Steel Cat. # | $/Each | Ship. Wt. (lbs.) | Cat. # | $/Each |
| I | 3.5 | 11 dia. x 17 H | 9 | 1456-00 | 114.00 | 1456-15 | 279.00 | 3 | 1456-05 | 30.00 |
| J | 7 | 12 x 12 x 17 | 19 | 1456-01 | 176.00 | 1456-16 | 379.00 | 4 | 1456-06 | 36.00 |
| K | 12 | 12 x 12 x 23 | 24 | 1456-02 | 224.00 | 1456-17 | 447.00 | 5 | 1456-07 | 44.00 |
| L | 24 | 15 x 15 x 30 | 36 | 1456-03 | 314.00 | 1456-18 | 577.00 | 7 | 1456-08 | 54.00 |
| M | 40 | 19 x 19 x 30 | 48 | 1456-04 | 442.00 | 1456-19 | 806.00 | 8 | 1456-09 | 70.00 |

# Garment and Supplies Cabinets

## Now in Stainless Steel and Cleanroom Laminate Designs

**Type A:** Garment storage only.

**Type B:** Garment storage and adjustable shelves (order desired shelf type separately).

**Type C:** Adjustable shelves only (order desired shelf type separately).

**Type D:** Includes two chrome-plated wire shelves adjustable in 1" intervals.

All models are fabricated of stainless steel or cleanroom laminated fiberboard. All except type "C" are available with overhead HEPA filter/blower module that showers contents with particle-free air to dislodge and wash away contaminants.

**A** *No. 4101-00 with optional hangers*

**B** *No. 4101-04 with optional hangers and shelves*

*Model Shown: No. 4205-11 3,880.00*

**Custom Configurations to Your Requirements!**

**C** *No. 4101-09 with optional shelves*

**D** *No. 4205-00, two shelves included*

## Cleanroom Laminate Garment & Supplies Cabinets

| Specifications | | | Garment Storage Cabinets | | | | Corresponding Shelves | | | | Stands | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Type | | Outside Dimensions (W" x D" x H") | Formica Laminate w/Acrylic Doors | | Formica Laminate w/Dissip. PVC Doors | | Polypropylene Shelves | | Nonconductive Laminate Shelves | | Raise cabinet 6" off floor | |
| | | | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| **A** | Filter/Blower | 36 x 20 x 94 | 4101-00A | 2,811.00 | 4101-14A | 3,441.00 | — | — | — | — | 4101-45 | 271.00 |
| | Cabinet Only | 36 x 20 x 78 | 4101-01A | 1,992.00 | 4101-15A | 2,622.00 | — | — | — | — | 4101-45 | 271.00 |
| | Filter/Blower | 36 x 24 x 83 | 4101-02A | 2,578.00 | 4101-16A | 3,210.00 | — | — | — | — | 4101-46 | 284.00 |
| | Cabinet Only | 36 x 24 x 67 | 4101-03A | 1,764.00 | 4101-17A | 2,396.00 | — | — | — | — | 4101-46 | 284.00 |
| **B** | Filter/Blower | 48 x 20 x 94 | 4101-04A | 3,315.00 | 4101-18A | 3,946.00 | 4101-30 | 39.00 | 4101-40 | 73.00 | 4101-47 | 316.00 |
| | Cabinet Only | 48 x 20 x 78 | 4101-05A | 3,022.00 | 4101-19A | 3,652.00 | 4101-30 | 39.00 | 4101-40 | 73.00 | 4101-47 | 316.00 |
| | Filter/Blower | 48 x 24 x 83 | 4101-06A | 3,000.00 | 4101-20A | 4,261.00 | 4101-31 | 39.00 | 4101-41 | 73.00 | 4101-48 | 328.00 |
| | Cabinet Only | 48 x 24 x 67 | 4101-07A | 2,243.00 | 4101-21A | 2,875.00 | 4101-31 | 39.00 | 4101-41 | 73.00 | 4101-48 | 328.00 |
| **C** | Cabinet Only | 30 x 14 x 78 | 4101-09A | 1,388.00 | 4101-23A | 1,955.00 | 4101-32 | 56.00 | 4101-42 | 101.00 | 4101-50 | 246.00 |
| | Cabinet Only | 30 x 18 x 78 | 4101-11A | 1,451.00 | 4101-25A | 2,019.00 | 4101-33 | 56.00 | 4101-43 | 101.00 | 4101-51 | 259.00 |
| | Cabinet Only | 36 x 20 x 78 | 4101-13A | 1,577.00 | 4101-27A | 2,144.00 | 4101-28 | 56.00 | 4101-44 | 101.00 | 4101-45 | 271.00 |
| **D** | Filter/Blower | 37¾ x 26½ x 86 | 4205-00A | 2,687.00 | 4205-02A | 3,384.00 | Additional Wire Shelves (Type D) 36"W x 24"D | | | | Cat. # 1300-51 | $/Each 49.00 |
| | Cabinet Only | 37¾ x 26½ x 72 | 4205-01A | 2,108.00 | 4205-03A | 2,687.00 | | | | | | |

*\* Height does not include stand. Order stand separately.*

## A/B. UltraClean™ Cylinder Tube Garment Racks

Made of high-grade electropolished stainless steel, these racks feature sloping 1½"-diameter cylindrical tube frames that are easy to wipe down. Fixed position design keeps garments firmly in place.
*See ordering chart below.*

## C. UltraClean™ Square Tube Garment Racks

These electropolished racks can be disassembled for easy storage and shipping. They are available with one or two hanger rods, in configurations for closed-loop or detachable hangers (photos C and D).
*See ordering chart below.*

## D. Fixed Position Hanger Rods

This style is available with square-tube racks. Slots at 3" increments keep garments from bunching together. Requires fixed-position hangers (photo G).
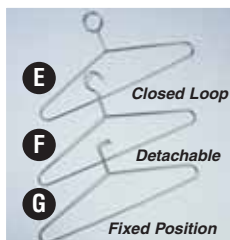*See ordering chart below.*

## H. Hook Hanger

This fixed-position hanger includes a hook for hoods, masks and other apparel.

| Cat. # | $/Each |
|--------|--------|
| **1530-33-2** | **17.00** |

*E. Closed Loop*
*F. Detachable*
*G. Fixed Position*

### Electropolished Cleanroom Hangers

| Type | For Rack Type | Cat. # | $/Each |
|------|---------------|--------|--------|
| E | C | 1530-30-2 | 13.00 |
| F | A, B or C | 1530-31-2 | 13.00 |
| G | A, B or D | 1530-32-2 | 13.00 |

*Fixed position style*

*A*

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

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

**QUICK Ship**

### 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 Cat. # | $/Each | B. Dual-Rack Cat. # | $/Each | Single-Rack Cat. # | $/Each | Dual-Rack Cat. # | $/Each |
| C. Sliding Position | 48"W x 24"D | 15 | 30 | — | — | — | — | 9230-00-2 | 827.00 | 9230-04-2 | 1,394.00 |
| (order closed loop | 60"W x 24"D | 19 | 38 | — | — | — | — | 9230-01-2 | 969.00 | 9230-05-2 | 1,581.00 |
| or detachable | 72"W x 24"D | 23 | 46 | — | — | — | — | 9230-02-2 | 1,070.00 | 9230-06-2 | 1,758.00 |
| hangers) | 84"W x 24"D | 27 | 54 | — | — | — | — | 9230-03-2 | 1,188.00 | 9230-07-2 | 1,966.00 |
| A. B. & D. | 48"W x 24"D | 15 | 30 | 9602-67 | 1,040.00 | 9602-75 | 2,043.00 | 9230-08-2 | 993.00 | 9230-12-2 | 1,950.00 |
| Fixed Position | 60"W x 24"D | 19 | 38 | 9602-68 | 1,220.00 | 9602-76 | 2,319.00 | 9230-09-2 | 1,164.00 | 9230-13-2 | 2,213.00 |
| (order fixed position | 72"W x 24"D | 23 | 46 | 9602-69 | 1,346.00 | 9602-77 | 2,580.00 | 9230-10-2 | 1,287.00 | 9230-14-2 | 2,464.00 |
| hangers) | 84"W x 24"D | 27 | 54 | 9602-70 | 1,494.00 | 9602-78 | 2,883.00 | 9230-11-2 | 1,427.00 | 9230-15-2 | 2,752.00 |

## Stainless Steel Garment & Supplies Cabinets

| Specifications | | Outside Dimensions* (W" x D" x H") | Garment Storage Cabinets | | | | Shelves | |
|---|---|---|---|---|---|---|---|---|
| Type | | | Stainless Steel w/Acrylic Doors Cat. # | $/Each | Stainless Steel w/Dissip. PVC Doors Cat. # | $/Each | Stainless Steel Cat. # | $/Each |
| A | Filter/Blower | 36 x 20 x 100 | 4101-57A | 7,379.00 | 4101-68A | 8,041.00 | — | — |
| | Cabinet Only | 36 x 20 x 84 | 4101-58A | 5,228.00 | 4101-69A | 5,891.00 | — | — |
| | Filter/Blower | 36 x 24 x 89 | 4101-59A | 6,769.00 | 4101-70A | 7,334.00 | — | — |
| | Cabinet Only | 36 x 24 x 73 | 4101-60A | 4,633.00 | 4101-71A | 5,294.00 | — | — |
| B | Filter/Blower | 48 x 20 x 100 | 4101-61A | 8,703.00 | 4101-72A | 9,365.00 | 4101-83A | 265.00 |
| | Cabinet Only | 48 x 20 x 84 | 4101-62A | 7,931.00 | 4101-73A | 8,594.00 | 4101-83A | 265.00 |
| | Filter/Blower | 48 x 24 x 89 | 4101-63A | 6,552.00 | 4101-74A | 8,406.00 | 4101-84A | 265.00 |
| | Cabinet Only | 48 x 24 x 73 | 4101-64A | 5,891.00 | 4101-75A | 6,552.00 | 4101-84A | 265.00 |
| C | Cabinet Only | 30 x 14 x 84 | 4101-65A | 3,641.00 | 4101-76A | 4,239.00 | 4101-85A | 265.00 |
| | Cabinet Only | 30 x 18 x 84 | 4101-66A | 3,809.00 | 4101-77A | 4,405.00 | 4101-86A | 265.00 |
| | Cabinet Only | 36 x 20 x 84 | 4101-67A | 4,141.00 | 4101-78A | 4,737.00 | 4101-87A | 265.00 |
| D | Filter/Blower | 37¾ x 26½ x 94 | 4101-79A | 7,055.00 | 4101-81A | 7,786.00 | | |
| | Cabinet Only | 37¾ x 26½ x 78 | 4101-80A | 5,530.00 | 4101-82A | 6,139.00 | | |

*Type D Stainless Steel Cabinet (No. 4101-80A, shown with one optional shelf)*

*See additional construction details on the previous page.*

*\* Height includes built-in stainless steel stand with polypropylene leveling feet.*

**A** *Floor-Mounted Solid Top*

**B** *Free-Standing Solid Top*

**C** *Free-Standing Perforated Top*

**D** *Free-Standing Tubular Top*

**E** *Rod Top Benches with Easy-Clean Cylinder Frames*

**E**

**F**

*Bootie Racks*
Available with perforations or rods; for use on free-standing benches with square-tube bases only (styles B - D)

CERTIFIED
ULTRACLEAN PRODUCTS APPROVAL LABORATORY
FOR CLASS 1 CLEANROOM USE
Dr. Philip R. Austin, P.E.
Dr. Philip J. Austin, Ph.D.
LIVONIA, MICHIGAN USA

# UltraClean™ Gowning Benches

- **Clean, ergonomic designs ensure optimal comfort and cleanliness**
- **Electropolished 304 stainless steel surfaces won't shed particles or snag wipers**
- **Bullnosed edges enhance user comfort**
- **Perforated and rod tops facilitate the cleanroom laminar air flow**
- **Floor-mount and free-standing base designs available**
- **Select optional rack for convenient, space-efficient bootie storage**

*Improves compliance with gowning protocol.*

**H**

**"Stand OK Zone"** **"Clean Zone"**

**G**

### G. Gowning Platform
Made of composite fiber with a high-grade laminate top and side edges. Dimensions: 48" x 96" x 2".

| Cat. # | $/Each |
|---|---|
| **9605-49** | **421.00** |

### H. CleanLean™ Lean Rail
Electropolished stainless steel cylinders are positioned at 24" and 36" above floor level. Mounting holes are on 3" centers.

| Cat. # | $/Each |
|---|---|
| **9605-50** | **1,074.00** |

### Bootie Rack* (installed; see photo F) – order bench separately

| L"x W"x H" Nominal | No. of Slots | Rod Rack Cat. # | $/Each | Perforated Rack Cat. # | $/Each |
|---|---|---|---|---|---|
| 36 x 16 x 18 | 12 | **1560-15-2** | 663.00 | 1560-30-2 | 603.00 |
| 48 x 16 x 18 | 15 | **1560-16-2** | 773.00 | 1560-31-2 | 704.00 |
| 60 x 16 x 18 | 18 | **1560-17-2** | 882.00 | 1560-32-2 | 801.00 |
| 72 x 16 x 18 | 21 | **1560-18-2** | 991.00 | 1560-33-2 | 902.00 |
| 84 x 16 x 18 | 24 | **1560-19-2** | 1,100.00 | 1560-34-2 | 1,001.00 |

*\* Fits on free-standing benches with square-tube bases (order corresponding bench separately)*

| Floor Mounted (see photo A) | | | Free Standing Design (see photos B, C, D, E) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L"x W"x H" Nominal | Solid Top Cat. # | $/Each | L"x W"x H" | Solid Top (Photo B) Cat. # | $/Each | Perforated Top (Photo C) Cat. # | $/Each | Tubular Top (Photo D) Cat. # | $/Each | Cylinder Rod Top (Photo E) Cat. # | $/Each |
| 36 x 9 x 18 | **1530-15-2** | 587.00 | 36 x 16 x 18 | **1530-25-2** | 649.00 | 1540-10-2 | 1,049.00 | 1530-10-2 | 1,153.00 | 9602-96 | 1,209.00 |
| 48 x 9 x 18 | **1530-16-2** | 644.00 | 48 x 16 x 18 | **1530-26-2** | 758.00 | 1540-11-2 | 1,217.00 | 1530-11-2 | 1,340.00 | 9602-97 | 1,395.00 |
| 60 x 9 x 18 | **1530-17-2** | 692.00 | 60 x 16 x 18 | **1530-27-2** | 834.00 | 1540-12-2 | 1,415.00 | 1530-12-2 | 1,557.00 | 9602-98 | 1,623.00 |
| 72 x 9 x 18* | **1530-18-2** | 767.00 | 72 x 16 x 18 | **1530-28-2** | 897.00 | 1540-13-2 | 1,597.00 | 1530-13-2 | 1,759.00 | 9602-99 | 1,831.00 |
| 84 x 9 x 18* | **1530-19-2** | 809.00 | 84 x 16 x 18 | **1530-29-2** | 957.00 | 1540-14-2 | 1,750.00 | 1530-14-2 | 1,926.00 | 9600-02 | 2,010.00 |

*\* Includes center leg mount.*

# Racks & Shelving From Eagle Group

These economical cleanroom and laboratory shelves use four truss wires for greater strength. Posts allow shelf height adjustment at 1-inch increments. Plastic split sleeves are included with each shelf; for grounding in ESD-sensitive applications, select optional aluminum split sleeves.

## Eaglegard® Hybrid Epoxy: Durability and Microbial Protection

Shelving and posts featuring Eaglegard® hybrid epoxy coatings inhibit the growth of mold, microbes and other organic contaminants. These units carry a 15-year limited warranty.

**Aluminum Split Sleeve**
For grounding. One per shelf required.

| Cat. # | $/Each |
|---|---|
| **1372-38** | **11.00** |

### Shelves from Eagle

| Dimens* W x L (inches) | Wire Shelves | | | | | | Solid Shelves | |
|---|---|---|---|---|---|---|---|---|
| | Chrome Plated | | Stainless Steel | | Eaglegard®** | | Stainless Steel | |
| | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| 14 x 36 | **1370-03** | 29.00 | **1370-34** | 86.00 | **1372-45** | 51.00 | **1370-65** | 98.00 |
| 14 x 48 | **1370-05** | 34.00 | **1370-36** | 108.00 | **1372-47** | 61.00 | **1370-67** | 118.00 |
| 14 x 60 | **1370-06** | 38.00 | **1370-37** | 135.00 | **1372-48** | 68.00 | **1370-68** | 141.00 |
| 14 x 72 | **1370-07** | 45.00 | **1370-38** | 152.00 | **1372-49** | 77.00 | **1370-69** | 164.00 |
| 18 x 36 | **1370-10** | 32.00 | **1370-41** | 106.00 | **1372-52** | 57.00 | **1370-72** | 110.00 |
| 18 x 48 | **1370-12** | 37.00 | **1370-43** | 128.00 | **1372-54** | 69.00 | **1370-74** | 134.00 |
| 18 x 60 | **1370-14** | 44.00 | **1370-45** | 161.00 | **1372-56** | 83.00 | **1370-76** | 162.00 |
| 18 x 72 | **1370-15** | 53.00 | **1370-46** | 192.00 | **1372-57** | 95.00 | **1370-77** | 195.00 |
| 24 x 36 | **1370-26** | 39.00 | **1370-57** | 132.00 | **1372-68** | 70.00 | **1370-88** | 133.00 |
| 24 x 48 | **1370-28** | 47.00 | **1370-59** | 160.00 | **1372-70** | 86.00 | **1370-90** | 161.00 |
| 24 x 60 | **1370-30** | 55.00 | **1370-61** | 196.00 | **1372-72** | 101.00 | **1370-92** | 189.00 |
| 24 x 72 | **1370-31** | 66.00 | **1370-62** | 245.00 | **1372-73** | 119.00 | **1370-93** | 222.00 |

*Each shelf includes 4 pairs of plastic split sleeves.*
***Hybrid epoxy coating resists growth of microbes.**

### 4-Inch Shelf Ledges for Wire Shelves

| Length* (inches) | Chrome | | Stainless Steel | |
|---|---|---|---|---|
| | Cat. # | $/Each | Cat. # | $/Each |
| 14 | **1371-88** | 9.00 | **1371-99** | 16.00 |
| 18 | **1371-89** | 10.00 | **1372-00** | 18.00 |
| 24 | **1371-91** | 11.00 | **1372-02** | 22.00 |
| 36 | **1371-93** | 13.00 | **1372-04** | 31.00 |
| 48 | **1371-95** | 16.00 | **1372-06** | 38.00 |
| 60 | **1371-97** | 18.00 | **1372-08** | 45.00 |
| 72 | **1371-98** | 22.00 | **1372-09** | 56.00 |

*\* Other sizes available*

### Polymer 5" Stem Casters

Use with Mobile Posts (below) to convert your shelves into a mobile shelf cart.

| | Cat. # | $/Each |
|---|---|---|
| Swivel Caster | **1372-41** | 24.00 |
| Caster with Brake | **1372-42** | 25.00 |

### Posts—Adjust shelf height at 1" increments

| Height (inches) | Stationary | | | | | | Mobile | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Chrome Plated | | Stainless Steel | | Eaglegard® | | Chrome Plated | | Stainless Steel | | Eaglegard® | |
| | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| 14 | **1370-94** | 7.00 | **1371-01** | 14.00 | **1372-74** | 12.00 | **1371-08** | 7.00 | **1371-15** | 14.00 | **1372-81** | 12.00 |
| 18 | **1370-95** | 9.00 | **1371-02** | 20.00 | **1372-75** | 17.00 | **1371-09** | 9.00 | **1371-16** | 20.00 | **1372-82** | 17.00 |
| 33 | **1370-96** | 9.00 | **1371-03** | 22.00 | **1372-76** | 17.00 | **1371-10** | 10.00 | **1371-17** | 24.00 | **1372-83** | 17.00 |
| 54 | **1370-97** | 11.00 | **1371-04** | 26.00 | **1372-77** | 18.00 | **1371-11** | 12.00 | **1371-18** | 26.00 | **1372-84** | 18.00 |
| 63 | **1370-98** | 11.00 | **1371-05** | 28.00 | **1372-78** | 20.00 | **1371-12** | 14.00 | **1371-19** | 29.00 | **1372-85** | 20.00 |
| 74 | **1370-99** | 12.00 | **1371-06** | 32.00 | **1372-79** | 21.00 | **1371-13** | 17.00 | **1371-20** | 32.00 | **1372-86** | 21.00 |
| 86 | **1371-00** | 15.00 | **1371-07** | 37.00 | **1372-80** | 25.00 | **1371-14** | 28.00 | **1371-21** | 36.00 | **1372-87** | 25.00 |

*For mobile storage, select the correct post and find casters at TerraUniversal.com*

## For Dozens of Other Eagle Products — *TerraUniversal.com*

### Stainless Steel Supply Cabinets
Many sizes, with sliding or swing-out doors and back splashes. Model shown: No. 5656-13A $1,892.00.

### Laboratory Tables
304 stainless steel tops with galvanized steel legs and under shelves. Model shown: No. 1373-19 (with 30"D x 60" tabletop) $493.00.

### Laboratory Sinks
Wall-mount and free-standing stainless steel designs, with single or double sinks and faucets. Model shown: No. 1373-25  $279.00.

# Cleanroom
## METRO Shelving

### A. Super Adjustable™ Wire Shelves

Just lift the release on each corner, adjust your shelf at precise 1"-increments, and clamp the release lever shut. In seconds, you can optimize your storage system to changing load requirements, with no tools, no wasted time, and no wasted space. For shelf grounding in static-sensitive applications, select conductive sleeves below.

*More sizes available – www.TerraUniversal.com*

| A. Super Adjustable Wire Shelves | | | | |
|---|---|---|---|---|
| Dimensions W x L (inches) | Chrome Plated | | Stainless Steel | |
| | Cat. # | $/Each | Cat. # | $/Each |
| 18 x 24 | 1701-75 | 41.00 | 2650-35 | 135.00 |
| 18 x 36 | 1701-76 | 42.00 | 2650-37 | 139.00 |
| 18 x 48 | 1701-77 | 42.00 | 2650-39 | 164.00 |
| 18 x 60 | 1701-78 | 59.00 | 2650-41 | 208.00 |
| 21 x 24 | 1697-24 | 47.00 | 2650-43 | 155.00 |
| 21 x 36 | 1701-79 | 53.00 | 2650-45 | 158.00 |
| 21 x 48 | 1701-80 | 58.00 | 2650-47 | 183.00 |
| 21 x 60 | 1697-28 | 67.00 | 2650-49 | 241.00 |
| 24 x 24 | 1701-81 | 49.00 | 2650-51 | 167.00 |
| 24 x 36 | 1701-82 | 53.00 | 2650-53 | 171.00 |
| 24 x 48 | 1701-83 | 63.00 | 2650-55 | 208.00 |
| 24 x 60 | 1701-84 | 74.00 | 2650-57 | 251.00 |

| | Cat. # | $/Pkg. |
|---|---|---|
| Replacement Sleeves/Wedges (pack of 4) | 1571-00 | 5.00 |
| Conductive Sleeves (pack of 4) | 1571-01 | 4.00 |

### B-C. Cleanroom Shelving with Split-Sleeve Assembly

This InterMetro shelving is fabricated of noncontaminating, cleanroom-compatible materials. Order aluminum split sleeve for shelf grounding.

| Dimens. W x L (in.) | B. Solid Shelves | | C. Wire Shelves | | | |
|---|---|---|---|---|---|---|
| | Flat Stainless Steel | | Chrome Plated | | Stainless Steel | |
| | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| 18 x 24 | 1301-06 | 136.00 | 1300-35 | 37.00 | 1300-64 | 131.00 |
| 18 x 36 | 1301-08 | 139.00 | 1300-37 | 38.00 | 1300-66 | 135.00 |
| 18 x 48 | 1301-10 | 170.00 | 1300-39 | 47.00 | 1300-68 | 160.00 |
| 18 x 60 | 1301-11 | 204.00 | 1300-40 | 55.00 | 1300-69 | 204.00 |
| 21 x 24 | 1301-12 | 152.00 | 1300-42 | 43.00 | 1300-71 | 152.00 |
| 21 x 36 | 1301-14 | 155.00 | 1300-44 | 46.00 | 1300-73 | 155.00 |
| 21 x 48 | 1301-16 | 194.00 | 1300-46 | 54.00 | 1300-75 | 179.00 |
| 21 x 60 | 1301-17 | 238.00 | 1300-47 | 63.00 | 1300-76 | 238.00 |
| 24 x 24 | 1301-18 | 163.00 | 1300-49 | 46.00 | 1300-78 | 163.00 |
| 24 x 36 | 1301-20 | 167.00 | 1300-51 | 49.00 | 1300-80 | 167.00 |
| 24 x 48 | 1301-22 | 203.00 | 1300-53 | 59.00 | 1300-82 | 202.00 |
| 24 x 60 | 1301-23 | 247.00 | 1300-54 | 70.00 | 1300-83 | 247.00 |

**Plastic Split Sleeve Assembly**
Included with each shelf.

**Aluminum Split Sleeve**
For grounding type B/C shelves.

| Cat. # | $/Pkg. |
|---|---|
| 1303-70 | 7.00 |

| SiteSelect™ Posts | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Height (inches) | Stationary | | | | *Mobile | | | |
| | Chrome Plated | | Stainless Steel | | Chrome Plated | | Stainless Steel | |
| | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| 14 1/2 | 1300-85 | 9.00 | 1300-91 | 18.00 | — | — | — | — |
| 34 1/2 | 1300-86 | 11.00 | 1300-92 | 28.00 | 1307-98 | 11.00 | 2650-01 | 28.00 |
| 54 9/16 | 1300-87 | 13.00 | 1300-93 | 32.00 | 1307-90 | 13.00 | 2650-02 | 32.00 |
| 62 9/16 | 1300-88 | 14.00 | 1300-94 | 35.00 | 1307-91 | 14.00 | 2650-30 | 35.00 |
| 74 5/8 | 1300-89 | 15.00 | 1300-95 | 40.00 | 1307-92 | 16.00 | 2650-03 | 40.00 |
| 86 5/8 | 1300-90 | 19.00 | 1300-96 | 46.00 | 1307-93 | 19.00 | 2650-04 | 46.00 |

*** Make it mobile** – Select the mobile post from chart above. Casters available at TerraUniversal.com

### Wall-Mount Shelving

Order quantities indicated below to create an above-bench storage unit. Posts are 33.6"H and allow shelf adjustment. Metroseal 3 coating inhibits growth of bacteria, fungus and other microbes. Wall mounting hardware not included (varies according to wall type).

| | Stainless Steel | | Antimicrobial Metroseal 3 | |
|---|---|---|---|---|
| | Cat. # | $/Each | Cat. # | $/Each |
| Shelves (2*) | | | | |
| 18"D x 36"L | 1300-66 | 135.00 | 1300-98 | 49.00 |
| 18"D x 48"L | 1300-68 | 160.00 | 1300-99 | 58.00 |
| Shelf Supports (4*) | 1306-74 | 48.00 | 1306-70 | 28.00 |
| Shelf Posts (2*) | 2650-10 | 68.00 | 2650-09 | 41.00 |

* Order quantity indicated in parenthesis to create one shelving unit

*Convenient above-bench storage!*

# Change Room

**Racks**

### A/B. Upright and Wall-Mount Garment Racks

Electropolished stainless steel construction and open wire design promotes ultra-clean conditions. Features unique hanger capture mechanism to ensure proper positioning at 3" intervals and to deter theft. Both models include electropolished stainless steel hangers; upright models include leveling feet. To meet ESD requirements, select aluminum split sleeves (on facing page). All units are 24"D; upright models are 74"H.

| Width | No. of Hangers | A. Upright Cat. # | $/Each | B. Wall-Mount Cat. # | $/Each |
|-------|------|---------|---------|---------|---------|
| 36" | 11 | **2650-16** | 905.00 | 2650-20 | 544.00 |
| 48" | 15 | **2650-17** | 1,121.00 | 2650-21 | 685.00 |
| 60" | 19 | **2650-18** | 1,369.00 | 2650-22 | 868.00 |
| 72" | 23 | **2650-19** | 1,619.00 | 2650-23 | 942.00 |

### C. Gowning Bench

Made of 14-gauge, 304 stainless steel, with stainless steel leveling footplates.

| Dimensions | Cat. # | $/Each |
|-----------|--------|--------|
| 16" x 36" | **2650-24** | 593.00 |
| 16" x 48" | **2650-25** | 622.00 |
| 16" x 60" | **2650-26** | 650.00 |
| 16" x 72" | **2650-27** | 705.00 |

### D. Economy Garment Rack

Made of chrome-plated wire racks, this configuration of Metro Super Erecta shelving creates a versatile garment storage rack. See Terra's Catalog 105 for other shelving.

| Required Quantity | Item | Cat. # | $/Each |
|----------|------|--------|--------|
| 4 | 74.625" H Corner Post | **1300-89** | 15.00 |
| 2 | 24" x 48" Chrome Wire Shelf | **1300-53** | 59.00 |
| 4 | Footplate | **1301-78** | 7.00 |
| 1 | Chrome Support Frame | **2650-28** | 45.00 |
| 1 | Chrome Hanger Tube | **1302-19** | 26.00 |
| 15 | Closed Top Loop Chrome Hanger | **2650-29** | 12.00 |

### E. Garment Storage Rack

Specify quantities below to create this convenient 20-bin mobile storage rack.

| Required Quantity | Item | Cat. # | $/Each |
|----------|------|--------|--------|
| 4 | 62.563"H SS Corner Post | **2650-30** | 35.00 |
| 5 | 24" x 48" SS Wire Shelf | **1300-82** | 202.00 |
| 15 | 8"H SS Shelf Divider | **1303-32** | 43.00 |
| 5 | 4"H SS Rear Ledge | **1302-99** | 50.00 |
| 10 | 4"H SS Side Ledge | **1302-95** | 28.00 |
| 2 | 5" Stem Caster | **2080-55** | 34.00 |
| 2 | 5" Stem Caster with Brakes | **2080-56** | 38.00 |

### F. Bootie/Shoe Rack

Items listed below create a bootie/shoe rack. All components are stainless steel.

| Required Quantity | Item | Cat. # | $/Each |
|----------|------|--------|--------|
| 4 | 62.563"H SS Corner Post | **1300-94** | 35.00 |
| 5 | 24" x 48" SS Wire Shelf | **1300-82** | 202.00 |
| 12 | 52" SS Rods/Tabs | **2650-31** | 18.00 |



A

B

C

D

E

F

### Class 100 Mobile Storage Cabinet

Made of 304 stainless steel, this cabinet includes five stainless steel bearing drawers, each with slides. Overall dimensions: 29"W x 20"D x 35"H.

| Cat. # | $/Each |
|--------|--------|
| **9120-60** | **2,440.00** |

**Door locks available**

### Wall-Mount Cabinets

These cabinets feature a rugged aluminum internal frame, easy-clean, dent-resistant polymer shell, and clear doors. Includes two adjustable polymer shelves; order additional shelves separately. Overall dimensions: 41.3"W x 13.9"D x 32.3"H. Shelf dimensions: 37"W x 11"D.

| | Cat. # | $/Each |
|--|--------|--------|
| Storage Cabinet | **1306-88** | 1,114.00 |
| Polymer Shelf | **1306-90** | 55.00 |

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

**A**

**B**

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

## A. Polymer Utility Carts with Adjustable Shelves

Made of tough, chemical-resistant, high-density polyethylene, an extremely resilient polyolefin that provides excellent chemical resistance and wipes down easily. Raised "ship's edge" lip (.44"/11mm) contains spills. Height: 33.25" (other sizes and configurations available). Microban antimicrobial models available (see item "C" on facing page).

| 2-Shelf Models | Beige | | Blue | |
|---|---|---|---|---|
| W" x L" | Cat. # | $/Each | Cat. # | $/Each |
| 18 x 28 | **1532-08** | 133.00 | **1532-12** | 133.00 |
| 21.5 x 33.75 | – | – | **1532-47** | 144.00 |
| 27 x 39.5 | **1532-09** | 169.00 | **1532-13** | 169.00 |

| 3-Shelf Models | Beige | | Blue | |
|---|---|---|---|---|
| W" x L" | Cat. # | $/Each | Cat. # | $/Each |
| 18 x 28 | **1532-10** | 156.00 | **1532-14** | 156.00 |
| 21.5 x 33.75 | | | **1532-53** | 177.00 |
| 27 x 39.5 | **1532-11** | 207.00 | **1532-15** | 207.00 |

## 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** | 151.00 |
| 21.5 x 32.75 | 3-shelf | **1532-57** | 186.00 |
| 27 x 38.75 | 2-shelf | **1532-58** | 177.00 |
| 27 x 38.75 | 3-shelf | **1532-59** | 217.00 |

*Dozens more at TerraUniversal.com!*

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

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

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

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

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

| Ordering Information | | D. Series 100 | | E. Series 200 | | F. Series 400 | | G. Series 600 | | H. Series 700 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Dimensions** (W" x L" x H") | **Caster Dia.** | | | | | | | Stainless Steel Wire Shelves | | Stainless Steel Wire Shelves | |
| | | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| 18 x 24 x 38 | 4" | **1401-23** | 409.00 | **1401-44** | 521.00 | **1401-54** | 285.00 | **1402-39** | 384.00 | **1402-56** | 490.00 |
| 18 x 30 x 38 | 4" | **1401-24** | 442.00 | **1401-45** | 551.00 | **1401-55** | 308.00 | **1402-41** | 416.00 | **1402-58** | 539.00 |
| 18 x 36 x 38 | 4" | **1401-25** | 463.00 | **1401-46** | 600.00 | **1401-56** | 322.00 | **1402-43** | 438.00 | **1402-60** | 572.00 |
| 21 x 36 x 39 | 5" | **1401-26** | 500.00 | **1401-47** | 653.00 | **1401-57** | 352.00 | **1402-45** | 490.00 | **1402-62** | 641.00 |
| 24 x 36 x 39 | 5" | **1401-27** | 529.00 | **1401-48** | 694.00 | **1401-58** | 371.00 | **1402-47** | 517.00 | **1402-64** | 683.00 |

## C. Polymer Carts with Microban® Antimicrobial Product Protection
(not shown)

Built-in Microban® formulation inhibits growth of bacteria, mold and mildew. Construction is otherwise identical to corresponding carts on facing page. Available in blue only.

**For Molded-Handle Units** (Style "A" left)

| W" x L" | Configuration | Cat. # | $/Each |
|---------|---------------|--------|--------|
| 18 x 28 | 2-shelf | **1532-81** | 147.00 |
| 18 x 28 | 3-shelf | **1532-82** | 172.00 |
| 21.5 x 33.75 | 2-shelf | **1532-83** | 158.00 |
| 21.5 x 33.75 | 3-shelf | **1532-84** | 195.00 |

**For Deep-Ledge Units** (Style "B" left)

| W" x L" | Configuration | Cat. # | $/Each |
|---------|---------------|--------|--------|
| 21.5 x 32.75 | 2-shelf | **1532-85** | 167.00 |
| 21.5 x 32.75 | 3-shelf | **1532-86** | 205.00 |

## D – H.  Super Erecta® Carts with Adjustable Shelves

Many designs available with chrome-plated and stainless steel wire and solid shelves. See TerraUniversal.com for complete line.

# METRO Laboratory & Medical Carts

These preconfigured carts feature an easy-clean polymer shell that resists chips, dents and rust. Interior aluminum posts and steel frame provide strength and durability. All include 5"-diameter polyurethane casters, two with locks.

### I.  Biomedical Cart
Two swing-out side storage units increase the work surface by 135%. The overbridge shelf and utility pole provide additional utility space. A combination of 3", 6" and 9" drawers provide 36" total of internal height. Overall dimensions: 24.9"W x 34.2"L x 65"H.

| Cat. # | $/Each |
|--------|--------|
| **1306-86** | **2,838.00** |

### J.  Bench-side Cart
Includes (4) 3", (2) 6" and (1) 9" drawers and dual side units with storage space for charts and small supplies. Drawers and side tambour doors can be locked for added security. Overall dimensions: 24.9"W x 34.2"L x 43"H.

| Cat. # | $/Each |
|--------|--------|
| **1306-85** | **2,435.00** |

### K.  Supply & Transport Cart (short)
Features (3) 3", (1) 6" and (2) 9" drawers on one side and adjustable polymer shelves with a swing door on the other. Overall dimensions: 24.9"W x 42.5"L x 43"H.

| Cat. # | $/Each |
|--------|--------|
| **1306-82** | **2,370.00** |

### L.  Supply & Transport Cart (tall)
Features four adjustable wire shelves with swing doors. Overall dimensions: 27.9"W x 42.5"D x 76.5"H.

| Cat. # | $/Each |
|--------|--------|
| **1306-81** | **2,349.00** |

### Mobile Work Centers
Corrosion-resistant polymer components and modular, portable designs create versatile units that are easy to move and reconfigure. Rigid aluminum and coated metal substructure adds strength and durability. Includes black resin epoxy top.

| | | Cat. # | $/Each |
|---|---|--------|--------|
| **M.** | 43.4"L x 28.6"W x 81.9"H | **1306-84** | **4,266.00** |
| **N.** | 63.2"L x 28.6"W x 81.9"H | **1306-83** | **5,252.00** |

*Cabinets with overhead cupboards*

*Cabinet, pull-out desk drawers, overhead cupboards*

No. 9600-21


No. 9600-22


No. 9600-37

# Cleanroom & Lab Storage Cabinets

### A – D.   Wafer Box Storage Cabinets

Electropolished stainless steel cabinet features adjustable shelves to accommodate many box sizes.

| Wafer Storage Cabinets | | |
|---|---|---|
| **Overall Dimensions** | Cat. # | $/Each |
| **A.** 47"W x 20"D x 67"H | 9600-21** | 11,857.00 |
| **B.** 47"W x 26"D x 77"H | 9600-22** | 12,361.00 |
| **C.** 47"W x 26"D x 41"H | 9600-37* | 4,919.00 |
| **D.** 47"W x 26"D x 41"H | 9600-38** | 5,297.00 |

*Solid front doors.  ** Dissipative PVC windows.  *** D (not shown).*

### E/F.   Reticle Storage Cabinet for Vertical Storage

These systems include open-structure shelves mounted on noncontaminating, low-friction runners that provide full access to stored cassettes. Each shelf contains three removable stainless steel trays. Order filter/blower separately.

| Vertical Storage: Photomask/Reticle Cabinets | | | |
|---|---|---|---|
| **Stainless Steel** | | **Electropolished Stainless Steel** | |
| Cat. # | $/Each | Cat. # | $/Each |
| 9130-00 | 2,834.00* | 9130-02 | 3,708.00* |
| 9130-01 | 5,595.00** | 9130-03 | 7,226.00** |

*$28\frac{1}{2}$"W x 25"D x 38"H (Capacity: 189 reticles 7" x 7" x $\frac{1}{8}$"D)*
**$28\frac{1}{2}$"W x 25"D x 62"H (Capacity: 378 reticles 7" x 7" x $\frac{1}{8}$"D)*

**Filter/Blower Module** (Includes 99.99% efficient HEPA filter).

| | Cat. # | $/Each |
|---|---|---|
| 110VAC, 60Hz | 9056-02 | 1,009.00 |
| 220VAC, 50Hz | 9056-02-220 | 1,009.00 |

**Panel Set**
Includes two side panels, one rear panel, and hinged door.

| Acrylic | | Dissipative PVC | |
|---|---|---|---|
| Cat. # | $/Each | Cat. # | $/Each |
| 9130-40* | 310.00 | 9130-04* | 591.00 |
| 9130-41** | 587.00 | 9130-05** | 1,180.00 |

* For 38"H models** For 62"H models


No. 9130-03, with optional Filter Module and casters

**Visit TerraUniversal.com for other configurations.**


No. 9130-02, with optional Filter Module and Casters



**QUICK Ship**

# MicroVac™ – 3-Way Cleaning

- **Cleans up chemical powder spills –** ULPA filter captures 99.999% of 0.12µm particles for powder clean-up and collection

- **Clean air blower –** Nozzles pinpoint ULPA-filtered air stream to clean small parts

- **Clean air ventilator –** purges glove boxes, bio cabinets, and other enclosures

| | Cat. # | $/Each |
|---|---|---|
| 110VAC/60Hz | 5100-00 | 955.00 |
| 220VAC/50Hz | 5100-00-220 | 955.00 |

*Includes mini-tool kit*



Step 1 Disposable Paper Bag
Step 2 Permanent Cloth Bag
Step 3 Class 10,000 Filter
Step 4 ULPA Filter
99.999 Particle Collection 0.12µm
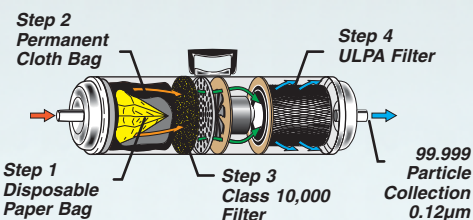
**MicroVac™ Filtration System**

# NitroPlex™
# Humidity Control System

- Increases desiccator efficiency up to 400% to minimize nitrogen waste and moisture exposure
- Senses and displays relative humidity in each desiccator chamber independently for more efficient, cost-effective moisture control
- Cuts nitrogen expenses by over 75%
- Prevents moisture and contamination migration from one chamber to another
- Lets you specify a different humidity set point for each chamber
- Automatically delivers a high-flow nitrogen purge only to the chamber where it's needed, and only as long as it's needed to restore RH set point
- Ergonomic design allows easy viewing, eliminates chamber lip for easier parts removal
- Can be integrated into almost any Terra desiccator line

Portable PC docking station

Sensor/Display Modules (one/chamber). Allow multiplexed humidity control

*Cuts Nitrogen Costs, Increases Efficiency!*

*Miniature LEDs display current humidity and RH set point*

*Model shown: No. 3950-36NP, with ten (10) control modules (No. 1911-31) and optional SmartPlex™ computer, stainless steel door frames, and stand.*

*Dissipative PVC SmartDesiccator™*
*No. 1911-26A (shelves and door frames optional)*

*Miniaturized LED monitors humidity and displays set point*

*Reduces nitrogen cost by 78%!\**

*Electropolished Stainless Steel SmartDesiccator™*

| Cat. # | $/Each |
|---|---|
| **1911-02A** | **2,507.00** |

*Seconds to install and program!*

**QUICK Ship**

| | Cat. # | $/Each |
|---|---|---|
| **Automatic RB® (Relief/Bleed) Valve**<br>One required per cabinet for safe operation. | **1600-60B** | **94.00** |

# SmartDesiccator™
# Benchtop Storage System

- Automates dry benchtop storage to eliminate moisture-related degradation and optimize yields
- First-of-its-kind gas control system conserves nitrogen!
- Fully integrated turnkey system takes 30 seconds to install

| SmartDesiccators | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Chambers | Overall Dimensions | Materials | | | | Shelf<br>Perf. Stainless Steel | | Door Frame<br>Stainless Steel | |
| | | Acrylic | | Dissipative PVC | | | | | |
| | (W x D x H) | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| 1 | 12" x 12" x 13.25" | 1911-15B | 821.00 | 1911-21B | 981.00 | 1935-02 | 85.00 | 2200-14A | 81.00 |
| 2 | 17.12" x 18" x 25.25" | 1911-16B | 1,299.00 | 1911-22B | 1,960.00 | 1976-02 | 121.00 | 2200-61A | 127.00 |
| 2 | 22.62" x 18" x 25.25" | 1911-17B | 1,418.00 | 1911-23B | 2,277.00 | 1977-02 | 135.00 | 2200-60A | 145.00 |
| 2 | 22.62" x 24" x 25.25" | 1911-18B | 1,641.00 | 1911-24B | 2,577.00 | 1978-02 | 151.00 | 2200-60A | 145.00 |
| 3 | 17.12" x 18" x 37.25" | 1911-19B | 1,901.00 | 1911-25B | 2,585.00 | 1976-02 | 121.00 | 2200-61A | 127.00 |
| 3 | 22.62" x 18" x 37.25" | 1911-20B | 2,023.00 | 1911-26B | 3,137.00 | 1977-02 | 135.00 | 2200-60A | 145.00 |

*\* Performance specifications at TerraUniversal.com*

# Modular
## Cleanrooms

## Visit TerraUniversal.com for

- Softwall models
- All-Steel BioSafe™ designs
- Powder containment rooms
- Configuration guidelines and interactive QuickQuote planner

## Hardwall Designs

- Acrylic or static-dissipative rigid panels for full visibility
- Steel support frame spans up to 20 feet without internal pillars or external supports
- Mirror-finished exterior stainless steel trim
- A/C and humidity controls
- Available raised floors optimize laminar airflow

*Whatever your application, Terra will deliver a pre-tested, turnkey system to your schedule.*

# Cleanroom Pass-Throughs

Pass-through chambers below are designed for installation in a wall cut-out of a typical cleanroom, including Terra's BioSafe rooms. For Hardwall Plastic Cleanrooms, see models on the facing page.

**Save Time!** Terra's online *QuickQuote Planner* configures a room to your specifications: **www.TerraUniversal.com** Just click on **Modular Cleanrooms**

| | Cat. # | $/Each |
|---|---|---|
| **Stainless Steel Mounting Brace** Two recommended for 36"-deep wall-mount cabinets | **1993-60B** | **265.00** |
| **Stainless Steel ULPA-Filtered Air Shower** Door-activated module provides a wash of filtered air inside pass-through chamber. Installed on top of any chamber 18"D or larger. | **1993-11A** | **1,634.00** |
| **Fluorescent Illuminator** For models up to 18"W | **1993-33** | **233.00** |
| For models over 18"W | **1993-34** | **326.00** |

No. 1993-12

No. 6705-26

No. 1993-03

*Convenient Slide-Up Doors*

No. 1993-18

*Fire-Rated Models*

No. 6705-00

*SS chamber with inlet filter (6705-24) and outlet flange (6705-23).*

## Pass-Through Chambers (Doors are made of material indicated in parentheses; other designs available.)

| Mount Type | Outside Dimensions (W" x D" x H") Add ½" to W x H for cut-out | Stainless Steel (Stainless Steel Doors/ Dissipative PVC Windows) Internal Access = W x H minus 2" | | Nonconductive Laminate (Acrylic Doors) Internal Access = W x H minus 2" | | Polypropylene (Nondissipative PVC Doors) Internal Access = W x H minus 1" | | Static Dissipative PVC (X) (Dissipative PVC Doors) Internal Access = W x H minus 2" | | Acrylic (Acrylic Doors) Internal Access = W x H minus 2" | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| Wall (1) | 12 x 12 x 12 | 1992-09A | 1,116.00 | 1991-00A | 535.00 | 1992-26A | 552.00 | 1992-37A | 532.00 | 1993-12A | 316.00 |
| | 12 x 12 x 24 | 1992-10A | 1,558.00 | 1992-18A | 651.00 | 1992-27A | 675.00 | 1992-38A | 831.00 | 1948-20A | 464.00 |
| | 18 x 18 x 16 | 1992-11A | 1,687.00 | 1992-00A | 832.00 | 1992-28A | 908.00 | 1992-39A | 1,025.00 | 1992-48A | 530.00 |
| | 18 x 18 x 24 | 1992-12A | 1,872.00 | 1992-19A | 959.00 | 1992-29A | 1,041.00 | 1992-40A | 1,170.00 | 1992-49A | 611.00 |
| | 24 x 24 x 16 | 1992-13A | 2,125.00 | 1993-00A | 986.00 | 1992-30A | 1,085.00 | 1992-41A | 1,268.00 | 1992-50A | 694.00 |
| | 24 x 24 x 24 | 1992-14A | 2,268.00 | 1992-20A | 1,069.00 | 1992-31A | 1,154.00 | 1992-42A | 1,316.00 | 1992-51A | 732.00 |
| | 24 x 36 x 24 | 1992-15A | 3,120.00 | 1992-21A | 1,126.00 | 1992-32A | 1,379.00 | 1992-43A | 1,765.00 | 1992-44A | 1,235.00 |
| | 36 x 36 x 24 | 1997-03A | 3,477.00 | 1992-22A | 1,167.00 | 1992-33A | 1,439.00 | — | — | 1992-52A | 1,295.00 |
| | 24 x 24 x 36 | 1992-16A | 3,329.00 | 1992-23A | 1,129.00 | 1992-34A | 1,397.00 | 1992-45A | 1,779.00 | 1992-46A | 1,253.00 |
| | 36 x 36 x 36 | 1997-06A | 3,824.00 | 1992-24A | 1,199.00 | 1992-35A | 1,595.00 | — | — | 1992-53A | 1,451.00 |
| | 36 x 36 x 48 | 1997-08A | 4,103.00 | 1992-25A | 1,368.00 | 1992-36A | 1,658.00 | — | — | 1992-80A | 1,514.00 |
| Floor (1) | 24 x 24 x 36 | 1992-84A | 3,419.00 | 1993-01A | 1,318.00 | 1993-04A | 1,696.00 | 1993-07A | 3,284.00 | 1993-08A | 1,552.00 |
| | 36 x 36 x 36 | 1992-85A | 4,520.00 | 1993-02A | 1,388.00 | 1993-05A | 1,764.00 | — | — | 1993-09A | 1,620.00 |
| | 36 x 36 x 48 | 1992-86A | 4,797.00 | 1993-03A | 1,558.00 | 1993-06A | 2,099.00 | — | — | 1993-10A | 1,955.00 |

*(1) Order installation brackets separately. Floor Mount models include low-profile access ramps for easy transport of carts (subtract 1" from internal vertical clearance to compensate for ramps).*

*(2) Sliding doors require vertical overhead clearance equal to the door height, so 36"H model should be mounted no closer than 36" below the cleanroom ceiling.*

*(3) Mounting brackets are made of stainless steel. All brackets require ¼" clearance between wall cut-out and pass-through. Standard mounting is 2" from the front of the cleanroom side (specify other desired location). Price is for one set of four brackets. Two sets are typically required for installation of one pass-through (one set for sliding door models). One is welded on the cleanroom side. For electropolishing, add "-2" to the cat. number and $75.00 to the price.*

# Cleanroom Pass-Throughs



## For Hardwall Plastic Cleanrooms

Pass-through chambers below are designed for installation in Terra's acrylic, static-dissipative, or polycarbonate hardwall cleanroom. Select desired size and corresponding mounting panel for a standard 7'-H wall (specify other wall height).

### Improved Design! FirmLok™ Pass-Through Interlock

Terra's new FirmLok™ prevents cross-contamination by ensuring that only one pass-through door at a time can open.

The moment a door is opened, the opposing latch engages a stainless steel catch to lock out the opposing door. The highly reliable, interlock design is rated for thousands of trouble-free operations.

The dual heavy-gauge latch mechanisms retract inside the easy-clean stainless steel housing when not engaged, eliminating protruding hardware that collects contaminants and causes snags.

Available for all standard swing-door pass-throughs (see ordering information below).



*Mechanical interlock rated for millions of operations.*

## Pass-Through Chambers for Hardwall Cleanrooms / Accessories

| Outside Dimensions (W" x D" x H") Add 1/2" to W x H for cut-out) | Electropolished Stainless Steel (Stainless Steel Doors/ Dissipative PVC Windows) | | Stainless Steel (Stainless Steel Doors/ Dissipative PVC Windows) | | Static Dissipative PVC | | Acrylic | | Mounting Panel For installation on a standard 7'-high Terra Modular Cleanroom | | FirmLok™ Mechanical Interlock | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| 12 x 12 x 12 | 6704-80A | 1,272.00 | 6704-85A | 1,078.00 | 6704-95A | 532.00 | 6704-90A | 316.00 | 6704-70 | 475.00 | 6705-50 | 481.00 |
| 18 x 18 x 16 | 6704-81A | 1,948.00 | 6704-86A | 1,662.00 | 6704-96A | 1,025.00 | 6704-91A | 530.00 | 6704-71 | 475.00 | 6705-51 | 541.00 |
| 18 x 18 x 24 | 6704-82A | 2,203.00 | 6704-87A | 1,843.00 | 6704-97A | 1,316.00 | 6704-92A | 694.00 | 6704-72 | 475.00 | 6705-51 | 541.00 |
| 24 x 24 x 24 | 6704-83A | 2,670.00 | 6704-88A | 2,252.00 | 6704-98A | 1,436.00 | 6704-93A | 732.00 | 6704-73 | 475.00 | 6705-52 | 601.00 |
| 24 x 24 x 36 | 6704-84A | 3,649.00 | 6704-89A | 2,724.00 | 6704-99A | 2,779.00 | 6704-94A | 1,253.00 | 6704-74 | 475.00 | 6705-52 | 601.00 |

## Corresponding Pass-Through Accessories — for Pass-Through Chambers on facing page.

| Pass-Through (2) (See description above) | | Mounting Brackets (3) For Standard Pass-Through: Order 2 Sets For Sliding Door Models: Order 1 Set | | FirmLok™ Mechanical Interlocks (4) Cannot be retrofitted For Standard Pass-Throughs | | For Pass-Throughs With Sliding Door | | Stainless Steel Shield (5) | Stainless Steel Shelf (5) | Stainless Steel Racks (5) (one pair) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cat. # | $/Each | Cat. # | $/Set of 4 | Cat. # | $/Each | Cat. # | $/Each | Cat. # | Cat. # | Cat. # | $/Pair |
| — | — | 1994-01 | 131.00 | 6705-50 | 481.00 | 6705-55 | 481.00 | 1992-65 | 1992-70 | 1993-40 | 125.00 |
| — | — | 1994-02 | 143.00 | 6705-50 | 481.00 | 6705-55 | 481.00 | 1992-65 | 1992-70 | 1993-41 | 125.00 |
| — | — | 1994-03 | 143.00 | 6705-51 | 541.00 | 6705-56 | 541.00 | 1992-66 | 1992-71 | 1993-42 | 160.00 |
| 1993-16 | 946.00 | 1994-04 | 163.00 | 6705-51 | 541.00 | 6705-56 | 541.00 | 1992-66 | 1992-71 | 1993-43 | 160.00 |
| 1993-17 | 946.00 | 1994-05 | 169.00 | 6705-52 | 601.00 | 6705-57 | 601.00 | 1992-67 | 1992-72 | 1993-44 | 245.00 |
| 1993-18 | 1,074.00 | 1994-06 | 170.00 | 6705-52 | 601.00 | 6705-57 | 601.00 | 1992-67 | 1992-72 | 1993-45 | 245.00 |
| 1993-19 | 1,074.00 | 1994-06 | 178.00 | 6705-53 | 721.00 | 6705-58 | 721.00 | 1992-68 | 1992-73 | 1993-46 | 332.00 |
| 1993-20 | 1,514.00 | 1994-07 | 205.00 | 6705-53 | 721.00 | 6705-58 | 721.00 | 1992-69 | 1993-27 | 1993-47 | 463.00 |
| 1993-21 | 1,514.00 | 1994-08 | 205.00 | 6705-52 | 601.00 | 6705-57 | 601.00 | 1992-67 | 1992-72 | 1993-48 | 245.00 |
| 1993-22 | 1,514.00 | 1994-09 | 205.00 | 6705-53 | 721.00 | 6705-58 | 721.00 | 1992-69 | 1993-28 | 1993-49 | 463.00 |
| — | — | 1994-10 | 242.00 | 6705-53 | 721.00 | 6705-58 | 721.00 | 1992-69 | 1993-29 | 1993-50 | 463.00 |
| 1993-24 | 1,514.00 | 1994-11 | 205.00 | 6705-52 | 601.00 | 6705-57 | 601.00 | 1992-67 | 1992-72 | 1993-51 | 245.00 |
| 1993-25 | 1,514.00 | 1994-12 | 205.00 | 6705-53 | 721.00 | 6705-58 | 721.00 | 1992-69 | 1993-38 | 1993-52 | 463.00 |
| 1993-26 | 1,514.00 | 1994-13 | 242.00 | 6705-53 | 721.00 | 6705-58 | 721.00 | 1992-69 | 1993-39 | 1993-53 | 463.00 |

*(4) All use a fail-proof mechanical design that requires no maintenance. Made of stainless steel. Must be specified when Pass-Through is ordered (cannot be retrofitted). For electropolishing add "-2" to the Cat. number and $75.00 to the price.*

*(5) Shields are recommended in all plastic pass-throughs to prevent scratching. Racks allow adjustable shelf placement and are required for use with shelves (their price includes installation). For electropolishing, add "-2" to the part number and 30% to the price (standard racks are electropolished).*

No. 6705-12A


No. 6705-10A



- **HEPA air showers**
- **Pushbutton operation**
- **No clearance requirement**

No. 6705-13

## Roll-Up Pass-Throughs

This unique, space-saving pass-through features dual-side segmented doors that automatically roll up and down at the push of a PLC control pad. This design eliminates door clearance requirements and makes it easy for gloved personnel to operate while holding parts. Motorized lifters are sealed inside a noncontaminating housing, and doors slide up and down a track. The segmented access doors are made of powder-coated insulated aluminum. The door rolls into a stainless steel housing.

| Roll-Up Pass-Throughs | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Dimensions** | | **Roll-Up Pass-Through** | | **Corresponding Mounting Brackets (1)** | | **Corresponding Air Shower** | |
| **Outside** (W" x D" x H") Excluding Hardware | **Inside Clearance** (W" x D" x H") | **Stainless Steel** Floor Mount (Includes Ramps) | | **Stainless Steel** For Floor Mount | | | |
| | | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| 44 x 30 x 61.5 | 29 x 28 x 44 | 6705-12A | 8,678.00 | 6705-32 | 432.00 | 6705-60 | 1,694.00 |
| 63.5 x 50 x 87 | 52.75 x 48 x 66.25 | 6705-10A | 14,175.00 | 6705-33 | 462.00 | 6705-61 | 1,742.00 |
| 82.5 x 50 x 78.75 | 68 x 48 x 61.25 | 6705-13 | 16,150.00 | 6705-34 | 492.00 | 6705-62 | 1,856.00 |

(1) Mounting brackets are made of stainless steel. All brackets require 1/4" clearance between wall cutout and pass-through. Standard mounting is 2" from the front of the cleanroom side (specify other desired location). Price is for one set of brackets. Two sets are typically required for installation of one pass-through. One is welded on the cleanroom side.


Ⓐ


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## Other Pass-Through Configurations
Call Terra to discuss your requirements

**A. Walk-Through Chamber**
Made of 304 stainless steel with interlocked doors; 40"W x 36"D x 84"H.
Cat. # **6705-74**

**B. Fire-Rated Pass-Through**
Independently certified to meet Warnock Hersey fire safety requirements. Double-wall 304 stainless steel construction with mechanical or electronic interlock. 39.5"W X 28"D X 38.25"H
Cat. # **6705-00A**  $/Each **13,515.00**

**C. Walk-Through Chamber with Roller Transfer Platform**
Made of 304 stainless steel; 60"W x 60"D x 84"H.
Cat. # **6705-67**

**D. Air Shower Pass-Through**
Ideal for removing surface contaminants from carts transferred into the cleanroom. Features high-velocity HEPA-filtered air jets. 36"W x 36"D x 48"H
Cat. # **6705-70**  $/Each **8,788.00**

**E. Air Conditioned Pass-Through**
Double-wall, insulated 304 SS chamber features a refrigeration system that maintains temperature to 5°C.
Cat. # **6710-75**  $/Each **$15,030.00**

# Cleanroom
## Air Showers

- **Completely self-contained, pre-wired, fully equipped Air Showers solve decontamination problems**

- **HEPA filter/blower modules (rated 99.99% efficient @ 0.3 micron particles) wash personnel with Class 100 air to dislodge and remove particles**

- **PLC panel provides programmable control over access door operation**

- **Interlocking doors minimize contamination, release automatically in the event of power failure**

- **Fluorescent lighting is housed in the ceiling for minimal turbulence**

- **Available in white powder-coat CR steel or stainless steel to meet various cleanroom requirements**

- **Economical to operate, easy to maintain**

These Air Showers offer an effective way to remove surface-deposited particles from personnel—before they get to the cleanroom.

**Enter the Cleanroom . . . and Leave Your Particles Behind!**
Each unit is a fully equipped, protected passageway that allows large numbers of personnel to pass into controlled areas without sacrificing convenience or cleanliness.

Nozzles are arranged on walls in a uniform pattern to ensure effective distribution of filtered air. HEPA-filtered air also flows downward from the ceiling. The closed-loop circulation design directs contaminated air downward through grills and hollow walls of the Air Shower and back to the filter, which removes 99.99% of all particles as small as 0.3 microns.

### Powder-Coated Steel Air Showers

| Overall Dimen. W" x D" x H" | Inside Dimen.* W" x D" x H" | Cat. # | $/Each |
|---|---|---|---|
| 52 x 44 x 108 | 35.5 x 35 x 84 | **6010-14A** | **11,109.00** |
| 52 x 60 x 108 | 35.5 x 51 x 84 | **6010-16A** | **13,666.00** |

*Door clearance: 32"W x 81"H*

### 304 Stainless Steel Air Showers

| Overall Dimen. W" x D" x H" | Inside Dimen.* W" x D" x H" | Cat. # | $/Each |
|---|---|---|---|
| 52 x 44 x 108 | 35.5 x 35 x 84 | **6010-00A** | **18,020.00** |
| 52 x 60 x 108 | 35.5 x 51 x 84 | **6010-02A** | **22,348.00** |

*Door clearance: 32"W x 81"H*

*Other sizes and configurations available. Refer to TerraUniversal.com for complete ordering information.*

Garments courtesy of W. L. Gore & Associates

# Garb and Parts Dispensers

Protects microscope samples!

Install next to hand washer

Accommodates multiple glove sizes or materials

For gloves, hoods, face masks*

Organizes small parts

Ideal for finger cots

Hinged top keeps wipers clean

Easy-access wiper dispensing*
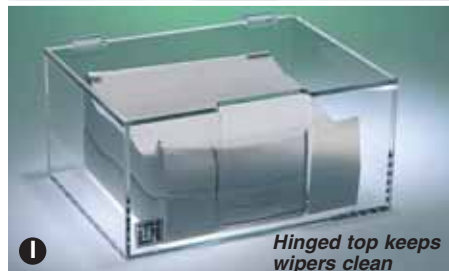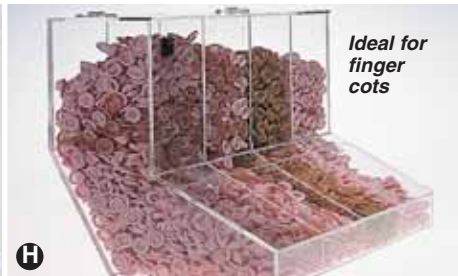
## Garb and Parts Dispensers

### Space-Saving Convenience!

*These handy dispensers save space and organize gloves, safety glasses, wipers, hats, and other garb. They're perfect benchtop storage bins for small parts used in cleanroom processing. Select clear acrylic or static-dissipative PVC, which eliminates static charges and the particles they attract.*

QUICK Ship

| Item (see photos) | | Dimensions W x D x H, in. | Acrylic Cat. # | $/Each | Static-Dissipative PVC Cat. # | $/Each |
|---|---|---|---|---|---|---|
| **A. SneezeGuard™** | | 7.12 x 7.75 | **1601-50** | 12.00 | **1601-51** | 25.00 |
| | | 11 x 11 | **1600-25** | 15.00 | **1602-75** | 28.00 |
| **B. Wall-Mount Glove Dispenser (single)** | | 16.5 x 12.5 x 17 | **4950-72** | 211.00 | **4950-74** | 285.00 |
| **C. Wall-Mount Glove Dispenser (triple)** | | 16 x 11.5 x 12 | **4005-56** | 235.00 | **4005-57** | 354.00 |
| **D. Benchtop Glove Dispenser*** | | 12 x 6 x 6 | **4951-03** | 73.00 | **4951-04** | 110.00 |
| **E. File Holder (4 slots)** | | 10.5 x 5 x 15 | **4005-25** | 85.00 | **4005-23** | 151.00 |
| **F. Dispensing Bins** | | 5 x 6.25 x 8.25 | **4950-12** | 123.00 | **4950-13** | 213.00 |
| **G. Apparel Dispenser** | | 48.5 x 24.5 x 36 | **4951-06** | 3,147.00 | **4951-07** | 5,665.00 |
| **H. Multi-Chamber Dispenser** | | 15.75 x 8 x 15 | **4005-51** | 312.00 | **4005-50** | 465.00 |
| **I. Wiper Dispenser (enclosed)** | | 12 x 9 x 6 | **4951-01** | 80.00 | **4951-02** | 142.00 |
| **J. Wiper Dispenser (open top)*** | | 10.5 x 14.5 x 4 | **4950-93** | 57.00 | **4950-94** | 110.00 |
| **K. Safety Glasses Dispensers** | Holds: 8 | 6.75 x 17 | **4950-45** | 232.00 | **4950-46** | 306.00 |
| (all are 5.75"D) | 12 | 9.75 x 17 | **4951-15** | 303.00 | **4951-16** | 397.00 |
| | 16 | 6.75 x 28.25 | **4951-17** | 418.00 | **4951-18** | 550.00 |
| *Other sizes available – call Terra!* | 16 | 13.13 x 17 | **4951-19** | 418.00 | **4951-20** | 550.00 |
| | 24 | 9.75 x 28.25 | **4951-21** | 543.00 | **4951-22** | 714.00 |
| *Now available in stainless steel—see facing page* | 24 | 19.5 x 17 | **4951-23** | 543.00 | **4951-24** | 714.00 |
| | 32 | 13.13 x 28.25 | **4951-25** | 751.00 | **4951-26** | 990.00 |
| | 48 | 19.5 x 28.25 | **4951-27** | 978.00 | **4951-28** | 1,284.00 |

**L**

*Mini-hood provides the ideal equipment enclosure*

**M**

**N**

**O** *Catches run-away swabs!*

# Stainless Steel Dispensers
### Chemical-resistant • Easy to clean and sterilize

*Plastic models also available*

**R** *Ideal for packed sterile gloves*

**S** *For loose gloves, hair nets, shoe covers*
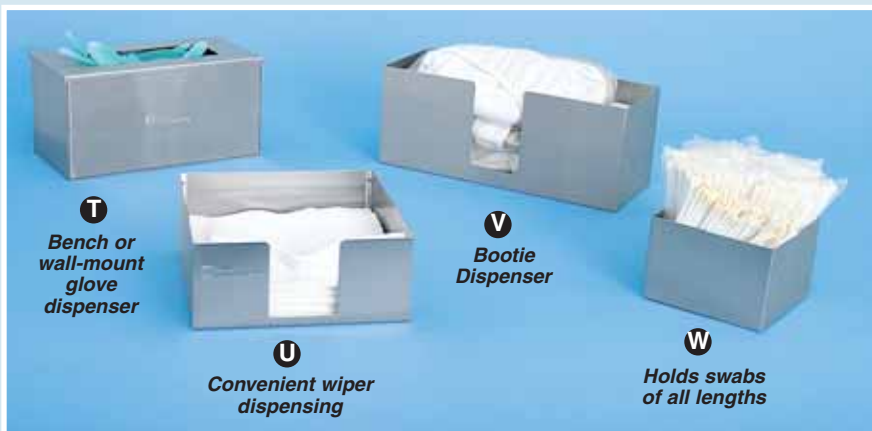
**T**

*Bench or wall-mount glove dispenser*

**V**

*Bootie Dispenser*

**U**

*Convenient wiper dispensing*

**W**

*Holds swabs of all lengths*

**P** *Ideal for benchtop or wall mounting*

**Q** *Holds all common bootie sizes*

| Item (see photos) | Dimensions W x D x H, in. | Acrylic Cat. # | $/Each | Static-Dissipative PVC Cat. # | $/Each |
|---|---|---|---|---|---|
| **L. Balance Shields** | 13 x 12 x 12.25 | 4950-55 | 166.00 | 4950-56 | 264.00 |
| | 16.25 x 16.25 x 22 | 4950-57 | 213.00 | 4950-58 | 355.00 |
| **M. Mini-Hood** | 20 x 16 x 12 | 4950-89 | 307.00 | 4950-90 | 570.00 |
| **N. Mini-Desiccators** | 8 x 10 x 7.25 | 4950-06 | 312.00 | 4950-08 | 493.00 |
| | 10 x 16 x 9.5 | 4950-09 | 432.00 | 4950-11 | 686.00 |
| **O. Swab Dispenser** | 6 x 6 x 4 | 4950-87 | 37.00 | 4950-88 | 61.00 |
| **P. Glove Box** one box | 5.125 x 11.5 x 4.375 | 4950-81 | 21.00 | 4950-82 | 26.00 |
| **Holders** two box | 10.125 x 12 x 4.75 | 4950-83 | 36.00 | 4950-84 | 51.00 |
| three box | 15.5 x 12 x 4.75 | 4950-85 | 46.00 | 4950-86 | 77.00 |
| **Q. Bootie Dispenser** | 15 x 6 x 6 | 4950-97 | 65.00 | 4950-98 | 92.00 |

| Item (see photos) | Dimensions W x D x H, in. | Electropolished 304 SS Cat. # | $/Each |
|---|---|---|---|
| **R. Glove Dispenser,** | 34.5 x 7 x 24 (3 compartment) | 4951-30-2 | 1,678.00 |
| **Wall-mount** | 27 x 8 x 24 (4 compartment) | 4951-31-2 | 1,678.00 |
| **S. Glove Dispenser,** | 24 x 8 x 24 (3 compartment) | 4951-32-2 | 1,248.00 |
| **Wall-mount** | 32 x 8 x 24 (4 compartment) | 4951-33-2 | 2,022.00 |
| **T. Glove Dispenser** | 12 x 6 x 6 | 4951-50-2 | 88.00 |
| **U. Wiper Dispenser** | 12 x 9 x 6 | 4951-40-2 | 96.00 |
| | 9.5 x 9.5 x 6 | 4951-41-2 | 96.00 |
| **V. Bootie Dispenser** | 15 x 6 x 6 | 4951-45-2 | 110.00 |
| **W. Swab Dispenser** | 6 x 6 x 4 | 4951-35-2 | 44.00 |

*QUICK Ship*

# Gowning Area Products


Cleanroom Mirror
No. 5252-52A   $1,022.00


Motorized
Shoe Cleaner
No. 1784-00
$2,184.00


Cleanroom Gloves and Wipers


Sticky Mats®

## Cleanroom Mirror

Terra's specially designed Cleanroom Mirror gives personnel a visual self-check to verify proper garmenting. Sturdy electropolished 304 stainless steel frame mounts flush with wall.

| | | |
|---|---|---|
| 36"W x 72"H | 5252-52A | 1,022.00 |
| 24"W x 36"H | 5252-53 | 680.00 |

## Motorized Shoe Cleaner

Internal vacuum system removes contaminants on shoes. Five internal brushes clean deep into seams, welts.

| | | |
|---|---|---|
| 110VAC, 50/60Hz | 1784-00 | 2,433.00 |
| 220VAC, 50Hz | 1784-00-220 | 2,651.00 |

## Cleanroom Gloves and Wipers

Full specifications and ordering information at TerraUniversal.com.

## Sticky Mats®

Peel-off sheets eliminate the need for messy cleaning and make it easy to maintain a clean surface. Many other styles available.

| Dimen. | Blue Medium Tack | | Corresp. Frame | |
|---|---|---|---|---|
| W" x D" | Cat. # | $/Each | Cat. # | $/Each |
| 18 x 36 | 5601-16 | 50.00 | 5602-93 | 123.00 |
| 18 x 45 | 5601-17 | 59.00 | 5602-94 | 131.00 |
| 24 x 36 | 5601-18 | 68.00 | 5602-97 | 150.00 |
| 26 x 45 | 5601-19 | 85.00 | 5602-99 | 161.00 |


Storage Cabinets

No. 9010-44
No. 9010-35
No. 9010-34
No. 9010-33
Type C with Filter/Blower No. 9010-65A
A   B   C   D


DesiTray™ Renewable Drying Tray

12" x 12" x 12"  E
10" x 11" x 9"  F
12" x 6" x 6"  G
20" x 6" x 6"  H

| Polypropylene Storage Cabinets (Acrylic Doors) | | | | | | |
|---|---|---|---|---|---|---|
| TYPE | No. of Tiers | Overall Dimensions* (W x D x H inches) | Without Filter & Blower | | With Filter & Blower** | |
| | | | Cat. # | $/Each | Cat. # | $/Each |
| A | 1 | 25¾ x 15 x 18 | 9010-33 | 417.00 | 9010-63A | 1,300.00 |
| B | 2 | 25¾ x 15 x 35½ | 9010-34 | 791.00 | 9010-64A | 1,659.00 |
| C | 3 | 25¾ x 15 x 53 | 9010-35 | 1,172.00 | 9010-65A | 2,023.00 |
| D | 4 | 25¾ x 15 x 63½ | 9010-44 | 1,407.00 | 9010-74A | 2,257.00 |
| Acrylic Storage Cabinets | | | | | | |
| A | 1 | 25¾ x 16¾ x 18 | 9011-05 | 441.00 | 9011-08A | 1,199.00 |
| C | 3 | 25¾ x 14½ x 36½ | 9011-06 | 569.00 | 9011-09A | 1,355.00 |
| D | 4 | 25¾ x 17 x 64½ | 9011-07 | 625.00 | 9011-10A | 1,443.00 |

*Without Filter/Blower Module. ** Order desired filter separately. Stainless Steel housing increases overall height by 10 ½". Stands not included.

| Portable Desiccators | | | | | | |
|---|---|---|---|---|---|---|
| TYPE | Transparent Acrylic | | Static Dissipative PVC | | Amber Acrylic | |
| | Cat. # | $/Each | Cat. # | $/Each | Cat. # | $/Each |
| E | 9302-17A | 265.00 | 9302-20A | 469.00 | 9302-24A | 317.00 |
| F | 9302-00A | 218.00 | 9302-21A | 327.00 | 9302-25A | 259.00 |
| G | 9302-18A | 210.00 | 9302-22A | 317.00 | 9302-26A | 251.00 |
| H | 9302-19A | 250.00 | 9302-23A | 378.00 | 9302-27A | 298.00 |

**Optional Features:**

| | Cat. # | $/Each |
|---|---|---|
| Quick Connect Fitting | 1601-06 | 29.00 |
| Installed, requires RB Valve | | |
| Automatic RB Valve | 1600-60B | 94.00 |

# Critical Environment Solutions **Product Showcase**

## Acid Transport Carts

The all-polypropylene carts resist acids and corrosives and include easy-empty spill reservoirs. Type "A" carts feature removable 7" x 7" inserts for one-gallon bottles. Type "B" carts feature 24 angled slots for one-gallon bottles. Other models available.

| Type | No. of Compnts. | Cat. # | $/Each |
|------|------|--------|--------|
| A. | 12 | **3401-00** | 1,965.00 |
| A. | 18 | **3401-01** | 2,395.00 |
| B. | 24 | **3401-31** | 2,845.00 |

## DesiCart™ Mobile Desiccator

Protect your stored materials against particles and moisture during transport! Equipped with an optional Quick Connect fitting, these mobile desiccators can be purged with clean, dry nitrogen when not in motion. Their sealed chamber preserves the low-humidity, particle-free environment during transit.

| Material | Cat. # | $/Each |
|----------|--------|--------|
| Acrylic | **4002-50B** | 2,547.00 |
| Static-Dissipative PVC | **4002-51B** | 3,827.00 |

## Flammable Materials Cart

This cart allows safe transport of two 5-gallon chemical storage containers. Its 4"-diameter urethane locking casters ensure clean, smooth rolling and easy maneuvering. The on-board fire extinguisher helps meet OSHA and other safety requirements.

| Cat. # | $/Each |
|--------|--------|
| **7018-40** | 4,324.00 |

## High-Capacity Vacuum Chamber

Ideal for degassing large assemblies, this powder-coated steel chamber includes a 1"-thick aluminum door with 1"-thick polycarbonate viewing window, piping, fittings and solenoid valve for convenient vacuum control (order pump and controller separately). 18"W x 48"L shelf creates a convenient platform 4.5" above the chamber floor. Safely supports 29.9"Hg vacuum.

| | Cat. # | $/Each |
|--|--------|--------|
| Vacuum Chamber (49"L x 30" dia) | **3404-03** | 20,790 |
| Stand (raises chamber 35") | **3404-04** | 1,078 |

## Acrylic Vacuum Chambers

Select among several standard sizes, with vacuum ratings between 6" and 29.9"Hg.
Dimensions Max.

| W" x L" x H" | Vacuum | Cat. # | $/Each |
|--------------|--------|--------|--------|
| 14.5 x 12 dia. | 29.8" Hg | **5235-08A** | 1,704.00 |
| 16 x 10 x 11.5 | 6" Hg | **5235-00A** | 1,623.00 |
| 12 x 12 x 6.5 | 6" Hg | **5235-01A** | 1,212.00 |
| 8 x 8 x 8.5 | 12" Hg | **5235-02A** | 1,046.00 |
| 12 x 12 x 9.5 | 6" Hg | **5235-03A** | 1,418.00 |
| 16 x 16 x 12.5 | 6" Hg | **5235-04A** | 1,678.00 |
| 25 x 10 x 11.5 | 6" Hg | **5235-06A** | 1,841.00 |

**A. Stainless Steel Chamber** (29.9" Hg)
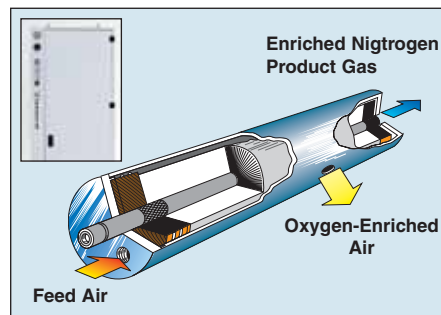13" x 15" x 14", double-wall construction with viewing window.

| | No. | 3404-00 | 2,423.00 |
|--|-----|---------|----------|

**B. Aluminum Vacuum Chamber** (29.9" Hg)
31" x 25" x 19", 1"-thick walls

| | No. | 1590-60 | 8,289.00 |
|--|-----|---------|----------|
| Stand | No. | 1590-61 | 541.00 |

## Nitrogen Generator

This membrane separation system provides a reliable source of clean, dry nitrogen for gloveboxes, desiccators and other enclosures. Its low-maintenance deisgn requires no power and features no moving parts — simply provide compressed air feed to generate nitrogen up to 99.99% pure.

Flow Rate
(@99% purity, 125 psi feed*)

| | Cat. # | $/Each |
|--|--------|--------|
| 522 SCFH | **2700-09A** | 10,685.00 |
| 143 SCFH | **2700-11A** | 6,521.00 |
| 12 SCFH | **2700-12A** | 2,602.00 |

* Expect higher flow rates at lower purities; see TerraUniversal.com for full specifications.

**Enriched Nigtrogen Product Gas**

**Oxygen-Enriched Air**

**Feed Air**

**Manufacturer-Direct Convenience —**
• *Integrated Turnkey Systems*
• *Custom Modifications*

**Complete Accessories: TerraUniversal.com**
Vacuum Controllers • Vacuum Pumps • Gauges • More!

## "Squaroid" Vacuum Ovens

These ovens provide a max. temperature of 220°C. Radiant warm-wall heating provides more even chamber temperature, and built-in high-limit thermostat guards against overheating. Models below feature LED temperature readouts and operate at 120VAC; 240VAC and dial thermometer models are also available, as well as high-temperature models.

| Chamber | With LED Readout | |
|---|---|---|
| Volume | Cat. # | $/Each |
| 0.7 cu. ft. | **3700-80** | **2,560.00** |
| 2.3 cu. ft. | **3700-82** | **4,412.00** |

## Hi-Temp "Squaroid" Oven

Includes hydraulic thermostat controls for heating up to 300°C. Radiant warm-wall heating provides uniform temperatures and eliminates the hazards of open-wire heaters. Externally isolated heaters maximize safety and chamber space. Top-mounted operation panel controls vacuum to nearly 30" Hg. Chamber interior is stainless steel. Models below are 120VAC; 240 VAC models also available.

| Chamber Size | Cat. # | $/Each |
|---|---|---|
| 1.1 cu. ft. | **3700-39** | **5,312.00** |
| 1.7 cu. ft. | **3700-41** | **5,548.00** |

## Class 100 Cleanroom Oven

Four-segment programmable controller provides precise heating to 250°C. Models below include HEPA filters that make them compatible for use in Class 100 (ISO 5) cleanrooms (models also available without HEPA filters for less stringent requirements). Interior walls are stainless steel, with stainless steel bottom and sidewall plenums. Delrin hinge pivots eliminate metal-on-metal surfaces. Model below is 120VAC; 240 VAC models also available. Includes 2"-dia. exhaust vent, .125" NPT fitting for introducing inert gas or house air, and four adjustable stainless steel shelves. Chamber size: 2.8 cu. ft.

| Cat. # | $/Each |
|---|---|
| **3700-70** | **9,040.00** |

## High-Capacity, HEPA-Filtered Cleanroom Oven

This oven provides a stable elevated temperature (60°C, ± 2°C) for a very large stainless steel chamber: 36"W x 36"D x 90"H (67.5 cu. ft.). Air or process gas is forced through dual HEPA filters located above the ceiling of the process chamber; continuous recirculation ensures temperature uniformity and a better-than Class 100 (ISO 5) process environment. Includes temperature uniformity certification based on 9-point temperature mapping. Overall dimensions: 43.5"W x 42"D x 107"H.

| Cat. # | $/Each |
|---|---|
| **2148-15** | **25,600.00** |

*No. 3700-85 (14 cu. ft.)*

## Large-Capacity Forced-Air Ovens

PID temperature controls provide stable heating to 220°C, and a unique turbo blower system creates true one-pass circulation pattern for optimal uniformity and fast recovery time. Includes an electronic digital timer with large LED display and overtemperature protection and isolated heating elements. Chamber interior is stainless steel. Models below are 120VAC.

| Chamber Size | Cat. # | $/Each |
|---|---|---|
| 14.0 cu. ft. | **3700-85** | **4,626.00** |
| 28.0 cu. ft. | **3700-86** | **5,743.00** |

## Tube Furnaces

Ideal for growing electronic crystals, doping silicon wafers and many other microelectronics applications. Features temperature range from 100°C to 1200°C. Two interchangeable vestibule ends (1" and 2" dia.) accommodate tubes up to 2" in diameter. Chamber operates remotely or in horizontal, angular or vertical positions. Models below are 120VAC; select manual or single setpoint control. Length: 12".

| Control Type | Temp. Range | Cat. # | $/Each |
|---|---|---|---|
| Manual | 370°C to 1100°C | **4000-69** | **1,599.00** |
| Single Setpoint | 100°C to 1200°C | **4001-86** | **1,965.00** |

*No. 5757-02*

***Complete Specifications—***
***TerraUniversal.com***

| 30 Cubic-Foot Capacity | | |
|---|---|---|
| | Cat. # | $/Each |
| Refrigerated Incubator | **5757-00** | **11,227.00** |
| Stability Chamber | **5757-02** | **14,000.00** |



*No. 5757-05*

## Environmental Chambers

These microprocessor-controlled chambers provide precise control over environmental conditions for repeatable results in material testing, component burn-in, shelf-life monitoring, and other critical studies. ***Refrigerated Incubators*** provide precise temperature control from 5°C to 60°C. ***Stability Chambers*** add a relative humidity system with solid-state humidity sensor and controller that allow humidification and dehumidification for operation from 20 to 98%RH. All incorporate environmentally friendly HFC refrigerant and CFC-free insulation. Light packages and chart recorders are optional.
Models below are 115VAC; 230VAC also available

| 10 Cubic-Foot Capacity | |
|---|---|
| Cat. # | $/Each |
| **5757-03** | **9,815.00** |
| **5757-05** | **13,160.00** |

## RH/Temperature Stability Chamber

This stainless steel cabinet is configured for storage of polycarbonate films used for high-precision screening of circuit boards. It maintains critical relative humidity and temperature levels to prevent dimensional aberrations that result from exposure to humidity and temperature fluctuations.

Air circulates horizontally across the shelves that hold the film. As air exits the storage area, it passes through an air conditioning/heating module that conditions it to within ± 2°F of the temperature set point. In addition, the continuously operating A/C module removes moisture to keep the %RH level within ± 3% of the set point. If humidity falls too low, an ultrasonic humidifier cycles on to add the proper amount of water vapor. If the temperature falls too low, the heater module cycles on. A water filtration system removes contaminants from the humidification feed water to eliminate the chance of mineral deposits or other vapor-borne contaminants.

As the process air exits the RH/temperature modules, an impeller blower draws it into an intake plenum area and forces it uniformly back through the storage area.

| | Cat. # | $/Each |
|---|---|---|
| Stainless Steel with Amber acrylic door | **2148-10A** | **21,300.00** |
| All amber acrylic | **2148-11** | **17,500.00** |



*No. 5321-39*

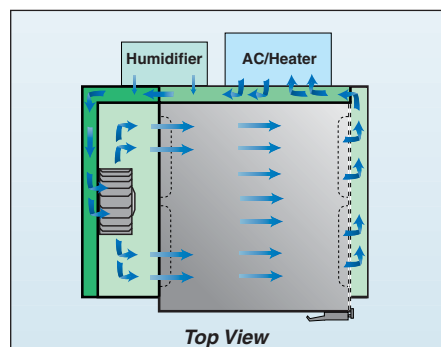## Large-Capacity Environmental Chambers

These chambers provide both above- and below-ambient control of temperature (4°C to 70°C) and humidity (20 to 98%RH, on select models). All models below include a password-protected 21-step programmable controller and RS485 data output, high/low safety alarms, door open/power out alarm and a chart recorder. Stainless steel interior and epoxy-coated wire shelves are easy to clean.

| | Temperature Only | | Temperature & Humidity | |
|---|---|---|---|---|
| | Cat. # | $/Each | Cat. # | $/Each |
| 24 cu. ft. | **5321-34** | **12,900.00** | **5321-38** | **15,900.00** |
| 33 cu. ft. | **5321-35** | **13,900.00** | **5321-39** | **16,900.00** |
| 52 cu. ft. | **5321-36** | **16,500.00** | **5321-40** | **19,500.00** |
| 80 cu. ft. | **5321-37** | **19,500.00** | **5321-41** | **22,500.00** |



*No. 2148-10A*

*± 2°F/± 3% RH Stability*



**Humidifier**    **AC/Heater**

*Top View*

## Benchtop Muffle Furnaces

These muffle furnaces offer a heating range from 100°C to 1200°C and two chamber sizes. A ceramic shelf (standard for 350 cu. in. chambers) effectively doubles the working area. Open-coil heating elements on both sides of the chamber and high thermal-efficient ceramic insulation provide temperature uniformity and heating efficiency. A built-in venting system removes contamination and moisture. Models below are 120VAC; 240 VAC models also available.

| Control Type | Chamber Size | Cat. # | $/Each |
|---|---|---|---|
| Single Setpoint | 120 cu. in. | **1800-52** | **2,372.00** |
| Single Setpoint | 350 cu. in. | **4000-64** | **2,820.00** |
| Prog. 8 ramp/8 dwell | 120 cu. in. | **1800-54** | **3,008.00** |
| Prog. 8 ramp/8 dwell | 350 cu. in. | **4001-84** | **3,334.00** |

## Compact Low-Cost Lab-Line Incubators

These compact and low-cost Lab-Line incubators are perfect for small or crowded workspaces and provide the added benefit of rugged construction and a choice of metal or acrylic door construction. The aluminum chamber and rugged metal door with positive latch provide excellent temperature uniformity, while the acrylic door model permits unobstructed sample views and eliminates temperature variations from opening and closing the door. A bimetallic thermostat controls heat uniformity.

| 1.0 Cubic-Foot Capacity | Cat. # | $/Each |
|---|---|---|
| 120VAC Metal | **5321-69** | **367.00** |
| 120VAC Acrylic | **5321-71** | **367.00** |
| 240VAC Metal | **5321-69-220** | **409.00** |
| 240VAC Acrylic | **5321-71-220** | **419.00** |



## Imperial III Incubators from Lab-Line

These durable gravity convection and mechanical incubators allow for years of dependable use due to their durable heating elements, and they come in three chamber capacities (see TerraUniversal.com). A tempered glass inner door on all models allows samples to be inspected without disturbing the chamber environment. Electrical outlets are provided internally to allow for the safe operation of shakers, stirrers and rotators. 220VAC models also available.

(See TerraUniversal.com for additional models)

| 2.6 Cubic-Feet Model | Cat. # | $/Each |
|---|---|---|
| 120VAC 2.5A, 300W | **5321-76** | **1,912.00** |
| 240VAC 1.3A, 300W | **5321-76-220** | **1,912.00** |



## Water- and Air-Jacketed Incubators from Lab-Line

The Lab-Line $CO_2$ water-jacketed and air-jacketed incubators feature five shelves and heated doors to prevent condensation for improved viewing of cultures. The chamber is corrosion-resistant stainless steel and provides 6.2 cubic feet of processing space. You can choose from an Infrared sensor for changing temperatures and humidity or a Thermocouple sensor for constant values.

| Sensor and Type | Cat. # | $/Each |
|---|---|---|
| 120VAC, 6.3A, 750W | | |
| Water-Jacketed Thermocouple | **5321-95** | **4,978.00** |
| Water-Jacketed Infrared | **5321-97** | **6,294.00** |
| Air-Jacketed Thermocouple | **5321-89** | **4,848.00** |
| Air-Jacketed Infrared | **5321-91** | **5,999.00** |



## SterileMax Steam Sterilizer from Barnstead

At 1.2 cubic feet and 12-by-18 inches, the SterileMax chamber is the largest of any portable bench-top model and accommodates three 2-liter Erlenmeyer flasks. The triple door lock guarantees a secure operation, while operators can take advantage of four preset one-touch programs for liquids and hard goods. Visit www.TerraUniversal.com for options such as a non-recirculating feature that ensures debris and contaminants are not recycled . 220VAC available.

| Model | Cat. # | $/Each |
|---|---|---|
| 120VAC, 5.6A | | |
| With printer | **1800-56** | **6,905.00** |
| Without printer | **1800-50** | **6,215.00** |



## MC8/MC10 Steam Sterilizers from Barnstead

The MC10 has a 10"-diameter chamber, and the MC8 an 8"-diameter chamber. These tabletop units come in three configurations: A basic sterilizer with manual cycling, a sterilizer with a non-recirculating feature that keeps internal components and filters free of debris and contamination, and a sterilizer in either configurations with a built-in data logger. 220VAC also available

| Model | Cat. # | $/Each |
|---|---|---|
| MC10 (1425W) | | |
| 120VAC 50/60 Hz,12A | **1802-38** | **5,900.00** |
| MC8 (1350W) | | |
| 120VAC 50/60 Hz,12A | **1802-46** | **5,020.00** |



## Water Pre-Treatment and Biological/Temperature Indicators

Terra Universal offers the DI+ Water Pretreatment System to provide up to four liters of pure water per minute, and it's economical at 23 cents per gallon.

Terra's biological indicators verify the sterility of your instruments, vials, media, liquid cycles and other products.Our Chemitest See-Thru Pouches, coming in six sizes with self-sealing edges, are used for steam, ethylene oxide and chemical vapor sterilization. Our temperature indicators assure that items being processed have been run through a complete cycle, preventing the accidental use of items that have not been processed. All these necessary items can be found along with the sterilizers at TerraUniversal.com.

*Specifications & Pricing: TerraUniversal.com*
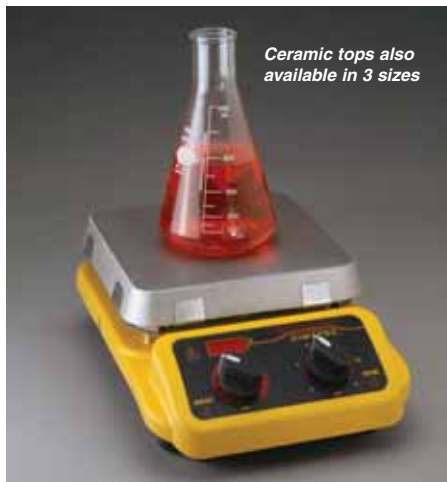
_Ceramic tops also available in 3 sizes_

### Cimarec® Digital Aluminum Hot Plates and Stirrers

Rugged aluminum surfaces provide uniform heat distribution and durability. Microprocessor-controlled feedback maintains consistent, repeatable temperature settings. The easy-to-read display indicates temperature settings, adjustable in increments of 5°C up to 300°C. StirTrac™ technology offers improved slow-speed stirring, consistent speed control, and stronger magnetic coupling. All models below are 120V with 7" x 7" tops; other models available, including ceramic tops in several sizes.

|  | Cat. # | $/Each |
|---|---|---|
| Hot Plate | **4100-03** | **259.00** |
| Stirring Hot Plate | **4100-04** | **424.00** |

### Super-Nuova® Digital Hot Plates and Stirrers

These premium aluminum-top hot plates provide precise digital control of top plate and solution temperatures in 1° increments. Four user-presets let you call up often-repeated procedures. A magnetic stir bar provides the vortex motion to evenly disperse chemical in solution and/or heat. All models below are 120V with 7" x 7" tops; 220V and ceramic top models also available in several sizes.

|  | Cat. # | $/Each |
|---|---|---|
| Hot Plate | **4100-06** | **745.00** |
| Stirring Hot Plate | **4100-07** | **864.00** |

### Explosion-Proof Hot Plate

This corrosion-resistant, easy-to-clean unit is specifically designed to ensure safe heating in potentially explosive situations! The cast-aluminum top plate provides effective heat transfer, and all controls are contained in an aluminum housing, protected from the explosive atmosphere. Heating surface: 6" x 6". Temperature range: to 220°C (428°F).

|  | Cat. # | $/Each |
|---|---|---|
| Hot Plate | **4000-92** | **735.00** |

### UV Sterilization/Filtration Cabinet

This polypropylene cabinet features a ceiling filter that removes submicron particles, including bacteria, aerosols and other biohazards. Perforated shelves optimize the vertical flow of clean air through the cabinet; air exits through exhaust slots on the amber acrylic doors. Each of four chambers features a 254nm UV fluorescent germicidal light with timer. 25.75"W x 13.5"D x 56"H (including filter/blower module). Other sizes and chamber configurations available.

|  | Cat. # | $/Each |
|---|---|---|
| Sterilization Cabinet | **6081-05** | **3,533.00** |
| HEPA Filter (99.99% efficient @ 0.3µm) | **2100-30** | **106.00** |
| ULPA Filter (99.999% efficient @ 0.12µm) | **2100-29** | **114.00** |

### Lab Refrigerator/Freezers

These units come in 2 configurations. A 17.9 cubic-ft. two-door refrigerator/freezer features hydraulic thermostatic control and separate "cold air flow" control for the freezer. It includes 2 adjustable shelves and automatic defrost. A 20 cubic-ft. upright freezer features 4 fixed wire shelves and 6 door shelves and comes with manual defrost. Temperature range: 0° to 10°C (refrigerator compartment); -20°C to 0°C (freezer compartment). Models below are 120VAC; 240VAC and explosion-proof models available.

|  | Cat. # | $/Each |
|---|---|---|
| Freezer | **1720-60** | **1,694.00** |
| Combination | **1720-49** | **1,570.00** |

### Undercounter Refrigerator/Freezers

These 5.6 cubic ft. undercounter units come in 3 configurations: refrigerators with 3 adjustable wire shelves and adjustable hydraulic thermostat control; freezers with 2 fixed shelves, 3 door shelves and hydraulic thermostat; and refrigerator/freezer combinations with 3 adjustable wire shelves, 3 door shelves, and adjustable thermostatic control. Models below are 120VAC; 240VAC and explosion-proof models available.

|  | Temp. Range | Cat. # | $/Each |
|---|---|---|---|
| Refrigerator | 2° to 7°C | **1720-43** | **1,335.00** |
| Freezer | -26° to 6°C | **1720-54** | **1,335.00** |
| Combination | Both above | **1720-47** | **1,360.00** |

**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 (59dBA 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.

|        | Cat. #        | $/Each    |
|--------|---------------|-----------|
| 120VAC | **1764-00**   | **1,016.00** |
| 220VAC | **1764-00-220** | **1,063.00** |



**Cleanroom Vacuum Cleaner**
**With Absolute HEPA Filtration**
A final HEPA filter removes 99.999% of 0.3µm particles for cleanroom use. Its lightweight, compact design and quiet operation (65 dBA at 6.5 ft.) make it convenient to use. Includes filter set and tool kit with 6' hose complete with end fittings, combination floor tool with telescopic wand, combination brush/small upholstery nozzle, crevice tool, and pack of 10 paper dust bags.

|        | Cat. #      | $/Each    |
|--------|-------------|-----------|
| 120VAC | **1001-00** | **478.00** |



**Three cleaners in one!**
- Vacuum
- Clean air blower
- Clean air ventilator



Step 2 Permanent Cloth Bag — Step 4 ULPA Filter — Step 1 Disposable Paper Bag — Step 3 Class 10,000 Filter — 99.999% Particle Collection 0.12µm
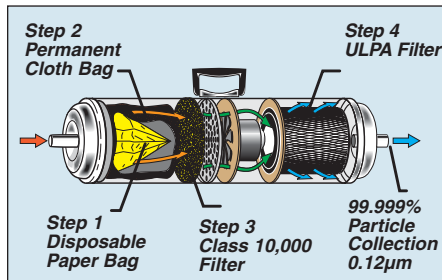
**MicroVac™ Portable Cleanroom Vacuum**
The MicroVac™ incorporates a four-stage filtering system to trap particles as small as 0.12 microns. Made of stainless steel, it includes a mini-tool kit for use in drawers, computer keyboards, and other hard-to-clean surfaces.

|              | Cat. #          | $/Each   |
|--------------|-----------------|----------|
| 110VAC/60Hz  | **5100-00**     | **955.00** |
| 220VAC/50Hz  | **5100-00-220** | **955.00** |



**Berkshire® BOND Cleanroom Paper**
Bound by synthetic latex for optimal smoothness and cleanliness, Berkshire® BOND minimizes particle contamination. It runs through any copier or printer, whether laser or impact. Its high tear resistance withstands long periods in use. All items below are 8.5" x 11" 28-lb. stock and are priced by case (= 10 packs of 250 sheets each). Other sizes and weights available.

| Color  | Cat. #      | $/Case    |
|--------|-------------|-----------|
| White  | **5604-02** | **151.00** |
| Pink   | **5604-03** | **162.00** |
| Canary | **5604-04** | **162.00** |
| Blue   | **5604-05** | **160.00** |



**BCR® Spiral Notebook**
These notebooks feature BCR® BOND noncontaminating paper and durable polyethylene covers that resist solvents. Each notebook includes 100 printed pages, either college ruled or 1/4" grid and double-wrapped for cleanliness.

| Size (in.) | Qty./Case | Cat. #       | $/Case    |
|------------|-----------|--------------|-----------|
| 5.5 x 8.5  | 20        | **5604-16*** | **149.00** |
| 5.5 x 8.5  | 20        | **5604-17**** | **149.00** |
| 8.5 x 11   | 10        | **5604-18*** | **87.00** |
| 8.5 x 11   | 10        | **5604-19**** | **87.00** |

* College rule, ** 1/4" grid



**BCR® Cleanroom Masks**
Protect the environment from human contaminants while optimizing wearer comfort. Their ultrasonically bonded 3-layer polypropylene construction provides superior strength and filtration efficiency. Width: 180 (standard), 210 (wide), 180 (fractured film for optimal particle retention). Case includes 12 packages of 50 masks each.

|                        | Cat. #      | $/Case    |
|------------------------|-------------|-----------|
| Standard (180mm)       | **5603-89** | **318.00** |
| Wide (210mm)           | **5604-47** | **216.00** |
| Fractured Film (180mm) | **5604-48** | **146.00** |

### Ultrasonic Cleaners

These Branson C S A - l i s t e d cleaners provide thorough, safe cleaning of small- and medium-sized parts. Models below feature heat controls with digital timer and degas function, which allows immediate use at maximum efficiency. All operate on 115VAC; 230VAC and other heating and timer configurations are also available.

| Tank Capacity | Cat. # | $/Each |
|---|---|---|
| 0.5 gallons | **2631-00** | **394.00** |
| 0.75 gallons | **2617-00** | **519.00** |
| 1.5 gallons | **2618-00** | **805.00** |
| 2.5 gallons | **2619-00** | **1,029.00** |
| 5.5 gallons | **2637-00** | **1,799.00** |

### Hand-Held Counter

This versatile device is available in two configurations. Both provide one-switch, quick-response operation.

#### Particle Counter

Provides continuous count for one minute.

| Particle Size | Cat. # | $/Each |
|---|---|---|
| > 0.5µm | | |
| | **1506-97** | **1,876.00** |
| > 0.3µm | | |
| | **1506-98** | **2,102.00** |

#### Concentration Meter

Samples air every 6 seconds.

| Particle Size Range | Cat. # | $/Each |
|---|---|---|
| > 0.5µm | **1506-95** | **1,876.00** |
| > 0.3µm | **1506-96** | **2,102.00** |

### B-300 Tabletop Ultrasonic Cleaner

Provides quick, consistent, high-quality cleaning over a wide range of applications. Includes a stainless steel cleaning tank with integral ultrasonic transducer. The deep drawn tank has no corner welds and includes a cover and perforated stainless steel parts basket. Tank dimensions: 11.8"L x 3.9"W x 2.9"D. Capacity: 0.5 gallons. UL and CSA listed; meets CE requirements.

| | Cat. # | $/Each |
|---|---|---|
| 110VAC | **2624-00** | **313.00** |
| 220VAC | **2624-00-220** | **313.00** |

### Portable Airborne Particle Counters

Particle sensitivity down to 0.3 or 0.5 microns at 0.1 CFM flow rate. Select between two display modes: cumulative count (total particles) or differential count (particles in each size range). Includes printer. Other size ranges available; see TerraUniversal.com

| Particle Size Range | Cat. # | $/Each |
|---|---|---|
| 0.5, 5.0 | **1506-43** | **4,204.00** |
| 0.5, 0.7, 1.0, 5.0 | **1507-11** | **4,550.00** |
| 0.3, 0.5, 1.0, 5.0 | **1507-17** | **4,891.00** |
| 0.3, 0.5, 0.7, 1.0, 2.0, 5.0 | **1507-19** | **5,119.00** |

### IC Series Ultrasonic Cleaning System

Includes 3/16, 14-gauge, all stainless steel construction and 12 industrial 40 kHz transducers. Microprocessor controls allow precise process control. A digital temperature controller provides variable set points to 60°C; a digital timer sets cycles from 1-99 minutes. Includes a stainless steel parts basket and cover with handle.

| Power | Cat. # | $/Each |
|---|---|---|
| 230 VAC | **2637-13** | **4,365.00** |
| 208 VAC | **2637-11** | **4,365.00** |

*200-gallon capacity!*

51"

56.25"

61.5"

### High-Capacity Ultrasonic Tank

This extra-large unit incorporates a 36"W x 36"D x 36"H processing vessel made of electropolished 316L ss.

| Cat. # | $/Each |
|---|---|
| **3307-60** | **37,400** |

### AVC Chamber Vacuum Sealer

Cleanroom compatible, the AVC series of chamber vacuum sealers is compressed-air driven, eliminating noise, vibration and heat-generation issues. Unlike electromechanically driven vacuum sealers, the AVC design prevents particle generation and oil contamination. The AVC is ideal for tray, tape and reeled products, as well as popular shipping tubes. The AVC has a seal length of 20" and a width of 1/4". A gas flush system is optional. The AVC is a workhorse with a large chamber, one-button touch setting and preset vacuum controls.

| | 120VAC | | 220VAC | |
|---|---|---|---|---|
| Seal Length | Cat. # | $/Each | Cat. # | $/Each |
| 20" | **4052-31** | **5,200.00** | **4052-31-220** | **5,550.00** |
| 20" | **4052-32*** | **5,525.00** | **4052-32-220*** | **5,875.00** |

*Includes optional gas flush*

### AV Vacuum Sealer With Gas Purge

The foot-pedal-activated, retractable nozzle AV series vacuum sealers offer gas-flush vacuum packaging at its finest. The .25"-wide sealing element delivers a leak-proof seal for electronic devices that require moisture barrier bags. With one touch of the pedal, the AV flushes out oxygen and moisture with nitrogen, and your sensitive components are sealed in seconds. Also great for dry packaging applications and shipping containers. Compressed air required.

| | 120VAC | | 220VAC | |
|---|---|---|---|---|
| Seal Length | Cat. # | $/Each | Cat. # | $/Each |
| 20" | **4052-15*** | **1,995.00** | **4052-15-220*** | **2,345.00** |
| 20" | **4052-19** | **2,500.00** | **4052-19-220** | **2,850.00** |
| 25" | **4052-20** | **2,985.00** | **4052-20-220** | **3,335.00** |
| 30" | **4052-21** | **3,185.00** | **4052-21-220** | **3,535.00** |
| 35" | **4052-22** | **3,385.00** | **4052-22-220** | **3,735.00** |

*\* These models do not include the gas flush feature.*

**Sticky Mats®**

## Sticky Mats®

Peel-off sheets eliminate the need for messy cleaning and make it easy to maintain a clean surface. Many other styles available.

| Dimen.<br>W" x D" | Blue Medium Tack<br>Cat. # | $/Each | Corresp. Frame<br>Cat. # | $/Each |
|---|---|---|---|---|
| 18 x 36 | 5601-16 | 50.00 | 5602-93 | 123.00 |
| 18 x 45 | 5601-17 | 59.00 | 5602-94 | 131.00 |
| 24 x 36 | 5601-18 | 68.00 | 5602-97 | 150.00 |
| 26 x 45 | 5601-19 | 85.00 | 5602-99 | 161.00 |



*Motorized Shoe Cleaner No. 1784-00 $2,184.00*

## Motorized Shoe Cleaner

Internal vacuum system removes contaminants on shoes. Five internal brushes clean deep into seams, welts.

| | Cat. # | $/Each |
|---|---|---|
| 110VAC, 50/60Hz | 1784-00 | 2,433.00 |
| 220VAC, 50Hz | 1784-00-220 | 2,651.00 |



## CleanTech® Cleanroom Hand/Glove Washing System

This free-standing, microprocessor-controlled cleansing station performs wash cycles with reliable, repeatable results. It monitors cycle duration and amount of cleansing agent injected. A self-clean function eliminates bacteria colonization. A cycle counter verifies washing to help meet SSOP, HACCP and GMP programs. Model below uses tap water and operates on 110VAC; other configurations available.

| Cat. # | $/Each |
|---|---|
| 2121-02 | 6,950.00 |



## Wall-Mount and Free-Standing Garment Racks

Tubular 16-gauge, 304 stainless steel hanger rod features hanger locators scored at 2" increments for convenient hanger placement. The cylindrical surface wipes down easily without snagging wipers. Electropolished versions and other sizes available at TerraUniversal.com.

| Wall-Mount | Cat. # | $/Each |
|---|---|---|
| 4' wide | 5656-01 | 761.00 |
| 5' wide | 5656-02 | 802.00 |
| 6' wide | 5656-03 | 839.00 |
| Floor Mount | | |
| 4' wide | 5656-34 | 859.00 |
| 5' wide | 5656-35 | 880.00 |
| 6' wide | 5656-36 | 900.00 |



## Adjustable Computer Cart

Ideal for most laboratory applications, this unit features an adjustment range of 30" to 41" (measured from floor to keyboard tray), making it suitable for sitting or standing users. It includes a 25" keyboard tray with padded wrist rest and embossed mouse surfaces, a tilt-adjustable mounting plate for flat panel displays, and aluminum 25" base with casters. The powder-coat finish is durable and easy to clean.

| Cat. # | $/Each |
|---|---|
| 9600-76 | 800.00 |



## Cleanroom Computer Cart

This easy-to-clean, all-electropolished 304 stainless steel cart features a retractable keyboard tray, CPU support stand and locking safety casters. Ideal for the cleanest locations!

| | Cat. # | $/Each |
|---|---|---|
| Fixed Height<br>56" floor to keyboard tray | 9600-19 | 1,889.00 |
| Adjustable Height<br>Articulated arm moves flat panel screen and keyboard tray 56" - 68" floor to keyboard tray. | 9600-20 | 2,689.00 |

## All-Polypropylene Work Station

All-polypropylene construction resists chemical spills, making this bench safe for use with most acids. Reinforced design holds loads up to 200 lbs. Three sliding drawers hold handling tools, wipers and other small parts. 60"W x 30"D x 30"H (floor to top).

| Cat. # | $/Each |
|---|---|
| **7018-41** | **1,982.00** |

## Polypropylene Casework

All-polypropylene construction makes these units ideal for general laboratory work, including operations with acids. Includes four sliding drawers; order sink and gooseneck separately. Dimensions: 60"W x 30"D x 30"H (floor to top).

| | Cat. # | $/Each |
|---|---|---|
| Polypropylene Casework | **2902-74** | **2,975.00** |
| Polypropylene Sink (12" x 12" x 7.5") | **7018-22** | **317.00** |
| Gooseneck Faucet Assembly (installed) | **9412-98** | **183.00** |

## Stainless Steel Supplies Cabinets

Durable 304 stainless steel cabinets are easy to wipe down. Models below feature sliding doors; hinged doors also available. Select flat counter top or 4.5" backsplash.

| W" x L" x H" | Cat. # | $/Each |
|---|---|---|
| 30 x 48 x 34.5 | **5656-10A** | **1,880.00** |
| 30 x 60 x 34.5 | **5656-11A** | **2,029.00** |
| 30 x 72 x 34.5 | **5656-12A** | **2,179.00** |
| 30 x 48 x 34.5* | **5656-13A** | **1,892.00** |
| 30 x 60 x 34.5* | **5656-14A** | **2,047.00** |
| 30 x 72 x 34.5* | **5656-15A** | **2,199.00** |

*** These models include 4.5" backsplash**

## Mobile Work Centers

Corrosion-resistant polymer components and modular, portable designs create versatile units that are easy to move and reconfigure. Rigid aluminum and coated metal substructure adds strength and durability. Includes black resin epoxy top.

| | Cat. # | $/Each |
|---|---|---|
| A. 43.4"L x 28.6"W x 81.9"H | **1306-84** | **4,266.00** |
| B. 63.2"L x 28.6"W x 81.9"H | **1306-83** | **5,252.00** |

## Biomedical Cart

Two swing-out side storage units increase the work surface by 135%. The overbridge shelf and utility pole provide additional utility space. A combination of 3", 6" and 9" drawers provide 36" total of internal height. Overall dimensions: 24.9"W x 34.2"W x 65"H.

| Cat. # | $/Each |
|---|---|
| **1306-86** | **2,838.00** |

## Cleanroom Wipes — Complete line at TerraUniversal.com

**Ideal for Class 10 Environments**

### SuperPolx® 1200 Cleanroom Wiper

This popular cleanroom wiper features non-run construction. Made of 100% knitted polyester, it is highly absorbent and offers extremely low particle generation, ion content and extractable residue. Each case includes 8 packages of 150 sheets each (9" x 9").

| Cat. # | $/Case |
|---|---|
| **5603-51** | **379.00** |

### ValuSeal™ 1500® Wiper

This economical laser-cut wiper features a unique sealed edge. Made of 100% knitted polyester, it is highly absorbent and offers extremely low particle generation, ion content and extractable residue. Each case includes 8 packages of 150 sheets each (9" x 9").

| Cat. # | $/Case |
|---|---|
| **5604-43** | **272.00** |

### A. Ionizing Blow-Off Gun

Safely removes surface contaminants with a burst of clean, static-neutralized air or nitrogen. Low-voltage design for safe, low-EMI/RFI operation. Includes 0.4-micron capsule filter.

| | Cat. # | $/Each |
|---|---|---|
| 110VAC | **2005-55** | **689.00** |
| 220VAC | **2005-55-220** | **689.00** |

### B. Ionizing Fan Module

Ideal for gloveboxes and other enclosures without laminar flow, this module incorporates fans into a clean stainless steel housing.

| | Cat. # | $/Each |
|---|---|---|
| Model Shown (22") | **2005-30** | **777.00** |

### C. IonBar™ for OEM Applications

Safely removes static charges and the contaminants they attract. Uses low-voltage power supply for safe, low-EMI/RFI operation.

| | Cat. # | $/Each |
|---|---|---|
| Model Shown (44") | **2005-07A** | **663.00** |

## Static-Dissipative Tabletop Grounding Station

Includes a work mat, adjustable wrist grounding strap with 6' cord and table mat/wrist strap common point grounding cord. Two-layer rubber matting is ideal for static-free workstations. Resists high temperatures and a wide range of chemicals. Thickness: 60 mils. Resistance to ground: 8 x 106 ohms (per EOS/ESD-S4). Static decay time (5000R to 50V): 0.01 seconds (FTMS 101C, Method 4046C). Color: blue.

| Mat Size | Cat. # | $/Each |
|---|---|---|
| 30" x 60" | **4400-02** | **98.00** |
| 36" x 60" | **4400-04** | **118.00** |
| 30" x 72" | **4400-06** | **118.00** |
| 36" x 72" | **4400-08** | **142.00** |

## Electrostatic Fieldmeter

Designed to locate and measure static charge potentials on product, people, equipment and packaging, this instrument uses a non-contacting, chipper-stabilized field sensor and a ranging light mechanism to ensure correct measurements of electrostatic fields in all areas, even those using air ionization. Does not require re-zeroing between measurements. Power: 9-volt battery. Includes conductive, impact-resistant case and snap-on lead to facilitate grounding and increase accuracy.

| Cat. # | $/Each |
|---|---|
| **4400-20** | **550.00** |

## Wrist/Foot Strap Tester

This dual-function instrument is designed to test standard single-conductor wrist grounding strap assemblies and heel or toe grounders. A mode selection switch allows you to toggle between wrist and foot strap testing modes. Includes four LED indicators: Low Fail, Pass, High Fail, and Low Battery. Operates on one 9VDC battery or from an optional 120VAC power adapter.

| Cat. # | $/Each |
|---|---|
| **4400-30** | **245.00** |

## Stacking Tote Boxes

| Dimensions (inches) | | Tote Boxes | | Snap-On Lids | |
|---|---|---|---|---|---|
| Outside | Inside | Cat. # | $/Each | Cat. # | $/Each |
| 11 x 8.25 x 2.5 | 9 x 6.25 | **6000-12** | **16.00** | **6007-00** | **12.00** |
| 11 x 8.25 x 3.5 | 9 x 6.25 | **6000-13** | **13.00** | **6007-00** | **12.00** |
| 11 x 8.25 x 5 | 9 x 6.25 | **6000-14** | **16.00** | **6007-00** | **12.00** |
| 16.6 x 11 x 2.5 | 14.75 x 9 | **6000-18** | **18.00** | **6007-04** | **17.00** |
| 16.6 x 11 x 3.5 | 14.75 x 9 | **6000-19** | **19.00** | **6007-04** | **17.00** |
| 16.6 x 11 x 5 | 14.75 x 9 | **6000-20** | **22.00** | **6007-04** | **17.00** |
| 16.6 x 11 x 6 | 14.75 x 9 | **6000-21** | **26.00** | **6007-04** | **17.00** |
| 16.6 x 11 x 7 | 14.75 x 9 | **6000-22** | **28.00** | **6007-04** | **17.00** |
| 16.6 x 11 x 8 | 14.75 x 9 | **6000-23** | **33.00** | **6007-04** | **17.00** |
| 22.4 x 17.5 x 3 | 20 x 15 | **6000-39** | **35.00** | **6007-19** | **29.00** |
| 22.4 x 17.5 x 5 | 20 x 15 | **6000-40** | **37.00** | **6007-19** | **29.00** |
| 22.4 x 17.5 x 10 | 20 x 15 | **6000-45** | **70.00** | **6007-19** | **29.00** |

## Stacking Tote Boxes

Made of static-dissipative high-density polyethylene, these boxes are ideal for storing components sensitive to particles and static discharge. Dividers and conductive models are available at TerraUniversal.com, along with nesting tote boxes.

*Visit TerraUniversal.com for other sizes, width & length dividers, nesting and conductive tote boxes*

A, B, E, F, C, D

# Disposable
# Cleanroom Garments

**IsoClean®** — Biologically and chemically inert Tyvek® ensures maximum particle containment, liquid shielding, and minimal shedding.

**Pro/Clean®** — features a microporous polypropylene film laminated to a polypropylene nonwoven substrate. Contains 100% of dry particulates down to 0.19µm while retaining breathability.

| | |
|---|---|
| **Bulk Packs:** | Packaged loose in indicated case quantity. |
| **Clean Packs:** | Laundered in a Class 10 facility and individually wrapped. |
| **Sterile Packs:** | Irradiated to remove organic contamination (available at TerraUniversal.com). |

### A. IsoClean® Cleanroom Frock

Tyvek® frock features a 5-snap front, tunnelized elastic wrist. Case of 30.

| | | IsoClean® | | Pro/Clean®* | |
|---|---|---|---|---|---|
| Processing | Size | Cat. # | $/Case | Cat. # | $/Case |
| Bulk Pack | S | 1850-61 | 182.00 | 1350-60 | 146.00 |
| Bulk Pack | M | 1850-62 | 182.00 | 1350-61 | 146.00 |
| Bulk Pack | L | 1850-63 | 182.00 | 1350-62 | 146.00 |
| Bulk Pack | XL | 1850-64 | 182.00 | 1350-63 | 146.00 |
| Clean Pack | S | 1850-65 | 259.00 | 1350-79 | 219.00 |
| Clean Pack | M | 1850-66 | 259.00 | 1350-80 | 219.00 |
| Clean Pack | L | 1850-67 | 259.00 | 1350-81 | 219.00 |
| Clean Pack | XL | 1850-68 | 259.00 | 1350-82 | 219.00 |

*Zipper closure also available at TerraUniversal.com

### B. Cleanroom Coveralls

Features zip front, tunnelized elastic at wrist and ankles, and serged seams (bound seams available at TerraUniversal.com). Case of 25.

| | | IsoClean® | | Pro/Clean®* | |
|---|---|---|---|---|---|
| Processing | Size | Cat. # | $/Case | Cat. # | $/Each |
| Bulk Pack | S | 1850-02 | 172.00 | 1350-50 | 160.00 |
| Bulk Pack | M | 1850-03 | 172.00 | 1350-51 | 160.00 |
| Bulk Pack | L | 1850-04 | 172.00 | 1350-52 | 160.00 |
| Bulk Pack | XL | 1850-05 | 172.00 | 1350-53 | 160.00 |
| Clean Pack | S | 1850-07 | 257.00 | 1350-69 | 224.00 |
| Clean Pack | M | 1850-08 | 257.00 | 1350-70 | 224.00 |
| Clean Pack | L | 1850-09 | 257.00 | 1350-71 | 224.00 |
| Clean Pack | XL | 1850-10 | 257.00 | 1350-72 | 224.00 |

*Zipper closure also available at TerraUniversal.com

### C. IsoClean® Bouffant Hair Cover

White Tyvek® with serged seams. Case of 250 covers (one size fits all). Bulk packed in a cellulose container—not for sterile use.

| Cat. # | $/Case |
|---|---|
| 1860-71 | 164.00 |

### D. Cleanroom Shoe Covers

White Tyvek® covers are 5" high, with low top, PVC soles. Case of 100 pairs.

| Size | Cat. # | $/Case |
|---|---|---|
| S | 1860-66 | 147.00 |
| M | 1860-67 | 147.00 |
| L | 1860-68 | 147.00 |
| XL | 1860-69 | 147.00 |

### E. Pro/Clean® Hoods

Case of 100.

| | Full Face | | Eyes Only | |
|---|---|---|---|---|
| | Cat. # | $/Each | Cat. # | $/Each |
| Bulk | 1350-59 | 204.00 | 1350-58 | 195.00 |
| Clean | 1350-73 | 277.00 | 1350-74 | 265.00 |
| Clean & Sterile | 1350-87 | 321.00 | 1350-88 | 311.00 |

### F. Pro/Clean® Boot Covers

Tunnel elastic at calf and ankle; PVC sole. Case of 50 pairs.

| | Size | Cat. # | $/Each |
|---|---|---|---|
| Bulk | S | 1350-54 | 144.00 |
| Bulk | M | 1350-55 | 144.00 |
| Bulk | L | 1350-56 | 144.00 |
| Bulk | XL | 1350-57 | 144.00 |
| Clean | S | 1350-75 | 200.00 |
| Clean | M | 1350-76 | 200.00 |
| Clean | L | 1350-77 | 200.00 |
| Clean | XL | 1350-78 | 200.00 |

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