

### Standard Acrylic Desiccator Cabinets

*continued*

#### ■ 2 Door Desiccator, 18" x 18" x 18" with Permanent Divider

- 22206** Clear Desiccator Cabinet, 18" x 18" x 18" with two chambers and 4 Perforated Clear Shelves .....each
- 22206-DSP** Static Dissipative, Clear Desiccator Cabinet, 18" x 18" x 18" with two chambers and 4 Perforated Clear DSP Shelves .....each
- 22206-AMB** Amber Desiccator Cabinet, 18" x 18" x 18" with two chambers and 4 Perforated Amber Shelves .....each
- 22206-BLK** Black Desiccator Cabinet, 18" x 18" x 18" with two chambers and 4 Perforated Black Shelves .....each

#### ■ 3 Door Desiccator, 18" x 18" x 27" (WxDxH) with Two Permanent Dividers

- 22209** Clear Desiccator Cabinet, 18" x 18" x 27" with three chambers and 6 Perforated Clear Shelves .....each
- 22209-DSP** Static Dissipative, Clear Desiccator Cabinet, 18" x 18" x 27" with three chambers and 6 Perforated Clear DSP Shelves .....each
- 22209-AMB** Amber Desiccator Cabinet, 18" x 18" x 27" with three chambers and 6 Perforated Amber Shelves .....each

#### ■ Shelves for 18" x 18" Desiccators

- 22206-1** Clear Acrylic Perforated Shelf, 18" x 18" x 1/4" .....each
- 22206-2** Clear, Static Dissipative Acrylic Perforated Shelf, 18" x 18" x 1/4" .....each
- 22206-3** Amber Acrylic Perforated Shelf, 18" x 18" x 1/4" .....each
- 22206-4** Black Acrylic Perforated Shelf, 18" x 18" x 1/4" .....each
- 22206-5** Stainless Steel Perforated Shelf, 18" x 18" .....each

#### ■ 2 Door Desiccator, 24" x 18" x 24" (WxDxH) with Permanent Divider

- 22207** Clear Desiccator Cabinet, 24"x 18" x 24" with two chambers and 4 Perforated Clear Shelves .....each
- 22207-DSP** Static Dissipative, Clear Desiccator Cabinet, 24" x 18" x 24" with two chambers and 4 Perforated Clear DSP Shelves .....each
- 22207-AMB** Amber Desiccator Cabinet, 24" x 18" x 24" with two chambers and 4 Perforated Amber Shelves .....each

- 22207-BLK** Black Desiccator Cabinet, 24" x 18" x 24" with two chambers and 4 Perforated Black Shelves .....each

#### ■ 3 Door Desiccator, 24" x 18" x 36" (WxDxH) with Two Permanent Dividers

- 22208** Clear Desiccator Cabinet, 24" x 18" x 36" with three chambers and 6 Perforated Clear Shelves .....each
- 22208-DSP** Static Dissipative, Clear Desiccator Cabinet, 24" x 18" x 36" with three chambers and 6 Perforated Clear DSP Shelves .....each
- 22208-AMB** Amber Desiccator Cabinet, 24" x 18" x 36" with three chambers and 6 Perforated Amber Shelves .....each

#### ■ Shelves for 24" x 18" Desiccators

- 22207-1** Clear Acrylic Perforated Shelf, 24" x 18" x 1/4" .....each
- 22207-2** Clear, Static Dissipative Acrylic Perforated Shelf, 24" x 18" x 1/4" .....each
- 22207-3** Amber Acrylic Perforated Shelf, 24" x 18" x 1/4" .....each
- 22207-4** Black Acrylic Perforated Shelf, 24" x 18" x 1/4" .....each
- 22207-5** Stainless Steel Perforated Shelf, 24" x 18" .....each

#### ■ 3 Door Desiccator, 24" x 24" x 36" (WxDxH) with Two Permanent Dividers

- 22210** Clear Desiccator Cabinet, 24" x 24" x 36" with three chambers and 6 Perforated Clear Shelves .....each
- 22210-DSP** Static Dissipative, Clear Desiccator Cabinet, 24" x 24" x 36" with three chambers and 6 Perforated Clear DSP Shelves .....each
- 22210-AMB** Amber Desiccator Cabinet, 24" x 24" x 36" with three chambers and 6 Perforated Amber Shelves .....each

#### ■ Shelves for 24" x 24" Desiccators

- 22210-1** Clear Acrylic Perforated Shelf with Bow Guard, 24" x 24" x 1/4" .....each
- 22210-2** Clear, Static Dissipative Acrylic Perforated Shelf with Bow Guard, 24" x 24" x 1/4" .....each
- 22210-3** Amber Acrylic Perforated Shelf with Bow Guard, 24" x 24" x 1/4" .....each
- 22210-5** Stainless Steel Perforated Shelf, 24" x 24" .....each



# DESICCATORS & DESICCANT

## Desiccator Cabinets

### Large Capacity Multi-Chamber Desiccator Cabinets



#### Cabinets from 24" x 24" x 36" to 48" x 24" x 60" on Rolling Carts

These large capacity multi-chamber portable desiccator storage cabinets are safer than individual stacked units and allow for easy transportation between stations. All large capacity multi-chamber desiccator cabinets are mounted on stainless steel support carts with lockable casters. When a positive dry N<sub>2</sub> gas flow is applied, the desiccators prevent moisture from reacting with stored items. The clear acrylic enclosure allows for easy observation and location of your items. The amber units are effective for protection of light sensitive materials from harmful UV light.

The acrylic desiccator cabinets are constructed of 1/4" thickness acrylic material, featuring easy-open doors and full visibility for all models. Shelf support strips are provided at 2" (51mm) intervals. Each air-tight chamber includes two shelves. The door construction incorporates anti-warp reinforcement to ensure a flat sealing surface. Each chamber consists of a 24" x 24" x 12" cubicle with interior dimensions of 23.5" x 23.5" x 11.75" with a door opening of 22.5" x 9.25".

The Static Dissipative PVC models are constructed from ESD safe material (only available in clear). The dissipative PVC has a surface resistivity of only 105-108 Ohms/Square with a surface potential of less than 15V. Decaying time is less than one second.

#### Features and benefits of the large capacity desiccators:

- Full length hinges
- Two heavy duty "swell" type latches to ensure even tension on the sealing gasket
- Closed cellular sealing PVC gaskets with "Gasket Guard" for improved sealing
- All doors are reinforced framework to ensure flat sealing
- Each chamber has a hygrometer (RH) in the door
- All shelves include perforated slots to ensure optimum gas flow

- Plenum style available for gas feed-through back panel and nylon gas nipple (1/4" NPT with 1/8" hose barb fitting) for each chamber
- Each unit provided with stainless steel cart with casters (2 with brakes)

#### Accessories available are:

- Additional shelves
- Interchangeable stainless steel shelves
- Flow meters and pressure relieve valves
- Controlled N<sub>2</sub> purge system

**AMBER** colored cabinets block Ultraviolet Light but allow full visibility of interior

#### ■ 3 Door Desiccator, 24" x 24" x 36" (WxDxH)

**22215** Clear Desiccator Cabinet, 24" x 24" x 36" with three chambers and 6 Perforated Clear Shelves. Includes 13" H Cart with Casters for a total height of 49" . . .each

**22215-DSP** Static Dissipative, Clear Desiccator Cabinet, 24" x 24" x 36" with three chambers and 6 Perforated DSP Clear Shelves. Includes 13" H Cart with Casters for a total height of 49" . . . . .each

**22215-AMB** Amber Desiccator Cabinet, 24" x 24" x 36" with three chambers and 6 Perforated Amber Shelves. Includes 13" H Cart with Casters for a total height of 49" . . . . .each

#### ■ 3 Door Desiccator, 24" x 24" x 36" (WxDxH) with Rear Plenum (to support N<sub>2</sub> Purge System)

**22211** Clear Desiccator Cabinet, 24" x 24" x 36" with three chambers, rear plenum and 6 Perforated Clear Shelves. Includes 13" H Cart with Casters for a total height of 49" (plenum also adds depth) . . . . .each

**22211-DSP** Static Dissipative, Clear Desiccator Cabinet, 24" x 24" x 36" with three chambers, rear plenum and 6 Perforated DSP Clear Shelves. Includes 13" H Cart with Casters for a total height of 49" (plenum also adds depth) each

**22211-AMB** Amber Desiccator Cabinet, 24" x 24" x 36" with three chambers, rear plenum and 6 Perforated Amber Shelves. Includes 13" H Cart with Casters for a total height of 49" (plenum also adds depth) . . . . .each



### Large Capacity Multi-Chamber Desiccator Cabinets *continued*

#### ■ 4 Door Desiccator, 24" x 24" x 48" (WxDxH)

- 22216** Clear Desiccator Cabinet, 24" x 24" x 48" with four chambers and 8 Perforated Clear Shelves. Includes 13" H Cart with Casters for a total height of 61" . . .each
- 22216-DSP** Static Dissipative, Clear Desiccator Cabinet, 24" x 24" x 48" with four chambers and 8 Perforated DSP Clear Shelves. Includes 13" H Cart with Casters for a total height of 61" . . . . .each
- 22216-AMB** Amber Desiccator Cabinet, 24" x 24" x 48" with four chambers and 8 Perforated Amber Shelves. Includes 13" H Cart with Casters for a total height of 61" . . . . .each

#### ■ 4 Door Desiccator, 24" x 24" x 48" (WxDxH) with Rear Plenum

- 22212** Clear Desiccator Cabinet, 24" x 24" x 48" with four chambers, rear plenum and 8 Perforated Clear Shelves. Includes 13" H Cart with Casters for a total height of 61" (plenum also adds depth) . . . . .each
- 22212-DSP** Static Dissipative, Clear Desiccator Cabinet, 24" x 24" x 48" with four chambers, rear plenum and 8 Perforated DSP Clear Shelves. Includes 13" H Cart with Casters for a total height of 61" (plenum also adds depth) each
- 22212-AMB** Amber Desiccator Cabinet, 24" x 24" x 48" with four chambers, rear plenum and 8 Perforated Amber Shelves. Includes 13" H Cart with Casters for a total height of 61" (plenum also adds depth) . . . . .each

#### ■ 5 Door Desiccator, 24" x 24" x 60" (WxDxH)

- 22217** Clear Desiccator Cabinet, 24" x 24" x 60" with five chambers and 10 Perforated Clear Shelves. Includes 6" H Cart with Casters for a total height of 66" . .each
- 22217-DSP** Static Dissipative, Clear Desiccator Cabinet, 24" x 24" x 60" with five chambers and 10 Perforated DSP Clear Shelves. Includes 6" H Cart with Casters for a total height of 66" . . . . .each
- 22217-AMB** Amber Desiccator Cabinet, 24" x 24" x 60" with five chambers and 10 Perforated Amber Shelves. Includes 6" H Cart with Casters for a total height of 66" . . . . .each

#### ■ 5 Door Desiccator, 24" x 24" x 60" (WxDxH) with Rear Plenum

- 22214** Clear Desiccator Cabinet, 24" x 24" x 60" with five chambers, rear plenum and 10 Perforated Clear Shelves. Includes 6" H Cart with Casters for a total height of 66" (plenum also adds depth) . . . . .each
- 22214-DSP** Static Dissipative, Clear Desiccator Cabinet, 24" x 24" x 60" with five chambers, rear plenum and 10 Perforated DSP Clear Shelves. Includes 6" H Cart with Casters for a total height of 66" (plenum also adds depth) . . . . .each
- 22214-AMB** Amber Desiccator Cabinet, 24" x 24" x 60" with five chambers, rear plenum and 10 Perforated Amber Shelves. Includes 6" H Cart with Casters for a total height of 66" (plenum also adds depth) . . . . .each

#### ■ 6 Door Desiccator, 48" x 24" x 36" (WxDxH)

- 22226** Clear Desiccator Cabinet, 48" x 24" x 36" with six chambers and 12 Perforated Clear Shelves. Includes 13" H Cart with Casters for a total height of 49" . . . . .each
- 22226-DSP** Static Dissipative, Clear Desiccator Cabinet, 48" x 24" x 36" with six chambers and 12 Perforated DSP Clear Shelves. Includes 13" H Cart with Casters for a total height of 49" . . . . .each
- 22226-AMB** Amber Desiccator Cabinet, 48" x 24" x 36" with six chambers and 12 Perforated Amber Shelves. Includes 13" H Cart with Casters for a total height of 49" . . . . .each

#### ■ 6 Door Desiccator, 48" x 24" x 36" (WxDxH) with Rear Plenum

- 22221** Clear Desiccator Cabinet, 48" x 24" x 36" with six chambers, rear plenum and 12 Perforated Clear Shelves. Includes 13" H Cart with Casters for a total height of 49" (plenum also adds depth) . . . . .each
- 22221-DSP** Static Dissipative, Clear Desiccator Cabinet, 48" x 24" x 36" with six chambers, rear plenum and 12 Perforated DSP Clear Shelves. Includes 13" H Cart with Casters for a total height of 49" (plenum also adds depth) . . . . .each
- 22221-AMB** Amber Desiccator Cabinet, 48" x 24" x 36" with six chambers, rear plenum and 12 Perforated Amber Shelves. Includes 13" H Cart with Casters for a total height of 49" (plenum also adds depth) . . . . .each



### Large Capacity Multi-Chamber Desiccator Cabinets *continued*

#### ■ 8 Door Desiccator, 48" x 24" x 48" (WxDxH)

- 22227** Clear Desiccator Cabinet, 48" x 24" x 48" with eight chambers and 16 Perforated Clear Shelves. Includes 13" H Cart with Casters for a total height of 61" . . .each
- 22227-DSP** Static Dissipative, Clear Desiccator Cabinet, 48" x 24" x 48" with eight chambers and 16 Perforated DSP Clear Shelves. Includes 13" H Cart with Casters for a total height of 61" . . . . .each
- 22227-AMB** Amber Desiccator Cabinet, 48" x 24" x 48" with eight chambers and 16 Perforated Amber Shelves. Includes 13" H Cart with Casters for a total height of 61" . . . . .each

#### ■ 8 Door Desiccator, 48" x 24" x 48" (WxDxH) with Rear Plenum

- 22222** Clear Desiccator Cabinet, 48" x 24" x 48" with eight chambers, rear plenum and 16 Perforated Clear Shelves. Includes 13" H Cart with Casters for a total height of 61" (plenum also adds depth) . . . . .each
- 22222-DSP** Static Dissipative, Clear Desiccator Cabinet, 48" x 24" x 48" with eight chambers, rear plenum and 16 Perforated DSP Clear Shelves. Includes 13" H Cart with Casters for a total height of 61" (plenum also adds depth) . . . . .each
- 22222-AMB** Amber Desiccator Cabinet, 48" x 24" x 48" with eight chambers, rear plenum and 16 Perforated Amber Shelves. Includes 13" H Cart with Casters for a total height of 61" (plenum also adds depth) . . . . .each

#### ■ 10 Door Desiccator, 48" x 24" x 60" (WxDxH)

- 22228** Clear Desiccator Cabinet, 48" x 24" x 60" with ten chambers and 20 Perforated Clear Shelves. Includes 6" H Cart with Casters for a total height of 66" . . . . .each
- 22228-DSP** Static Dissipative, Clear Desiccator Cabinet, 48" x 24" x 60" with ten chambers and 20 Perforated DSP Clear Shelves. Includes 6" H Cart with Casters for a total height of 66" . . . . .each
- 22228-AMB** Amber Desiccator Cabinet, 48" x 24" x 60" with five chambers and 10 Perforated Amber Shelves. Includes 6" H Cart with Casters for a total height of 66" . . . . .each

#### ■ 10 Door Desiccator, 48" x 24" x 60" (WxDxH) with Rear Plenum

- 22224** Clear Desiccator Cabinet, 48" x 24" x 60" with ten chambers, rear plenum and 20 Perforated Clear Shelves. Includes 6" H Cart with Casters for a total height of 66" (plenum also adds depth) . . . . .each
- 22224-DSP** Static Dissipative, Clear Desiccator Cabinet, 48" x 24" x 60" with ten chambers, rear plenum and 10 Perforated DSP Clear Shelves. Includes 6" H Cart with Casters for a total height of 66" (plenum also adds depth) . . . . .each
- 22224-AMB** Amber Desiccator Cabinet, 48" x 24" x 60" with ten chambers, rear plenum and 20 Perforated Amber Shelves. Includes 6" H Cart with Casters for a total height of 66" (plenum also adds depth) . . . . .each

#### ■ Shelves

- 22210-1** Clear Acrylic Perforated Shelf with Bow Guard, 24" x 24" x 1/4" . . . . .each
- 22210-2** Clear, Static Dissipative Acrylic Perforated Shelf with Bow Guard, 24" x 24" x 1/4" . . . . .each
- 22210-3** Amber Acrylic Perforated Shelf with Bow Guard, 24" x 24" x 1/4" . . . . .each
- 22210-5** Stainless Steel Perforated Shelf, 24" x 24" . .each

### Optional Accessories for PL Desiccator Cabinets

#### ■ Controlled Purge System, 800-CPS



The Controlled Purge System maintains positive pressure in any PL desiccator cabinets. This self regulating Purge System controls nitrogen (inert) gas consumption by regulating flow rate. An integral pressure sensor continually monitors the

chamber pressure level. If the pressure inside the chamber falls below the adjustable setpoint, the controller opens the inert gas supply valve. Once the desired pressure has been restored, the controller closes the valve. The gas flow rate can be adjusted via the flow meter on the front of the control box. Basic features of the unit include: Programmable logic controller, pressure sensor, black Noryl® housing, flow meter for inert gas, solenoid valve, and push-to-seal fittings for gas line and chamber connections.

- Overall dimensions:** 12.50" wide x 12.50" deep x 7.00" high
- Power requirements:** 115/230 VAC; 50-60 Hz
- Warranty:** One year
- Pressure range:** 0 to +2" WC (export models: 0 to +500 Pa)
- Accuracy:** 0.5% for full scale

*continued on next page*



|                              |  |
|------------------------------|--|
| <b>Control accuracy:</b>     | 0.5% for full scale                                      |
| <b>Resolution:</b>           | 0.1 of set point   |
| <b>Flow meter range:</b>     | 0-10 LPM   |
| <b>Inert Gas connection:</b> | Push-to-seal fitting<br>(8 foot 1/4" O.D. hose included) |
| <b>Gas inlet pressure:</b>   | 50 psi max.  |

**22235** Controlled Purge System, 800-CPS .....each



### ■ Flowmeter

Precisely displays the volume of nitrogen flow to any cabinet; inlets are provided for mounting flowmeters on PL Desiccator Cabinets.

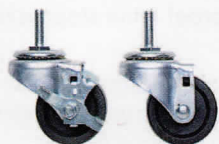
- 22619** Flowmeter,  
10-100 SCFH .....each
- 22619-1** Flowmeter,  
2-20 SCFH .....each



### ■ Pressure Relief Valve

Continuously bleeds off excess internal pressure to maintain a safe positive pressure within the desiccator, which extends the life of desiccator doors and gasketing. One should be used on each chamber.

- 22617** Pressure Relief Valve .....each

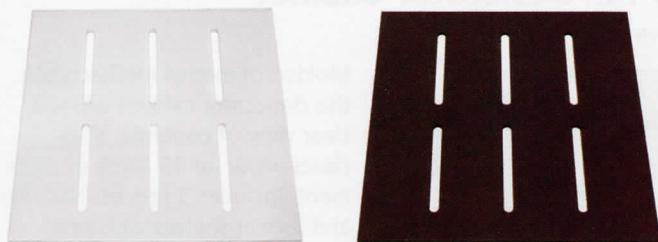


### ■ Casters

For use with the stainless steel stands. Turns your stationary cabinet into a mobile unit. Steel framing, rubber wheels for quiet movement. 2 with brakes, 2 without.

**22630** Casters, set of 4 .....each

## Shelves for All Desiccator Sizes



### ■ Shelves for 12" x 12" Desiccators

- 22200-1** Clear Acrylic Perforated Shelf,  
12" x 12" x 1/4" .....each
- 22200-2** Static Dissipative, Clear Acrylic Perforated  
Shelf, 12" x 12" x 1/4" .....each

- 22200-3** Amber Acrylic Perforated Shelf,  
12" x 12" x 1/4" .....each
- 22200-4** Black Acrylic Perforated Shelf,  
12" x 12" x 1/4" .....each
- 22200-5** Stainless Steel Perforated Shelf, 12" x 12" .....each

### ■ Shelves for 18" x 18" Desiccators

- 22206-1** Clear Acrylic Perforated Shelf,  
18" x 18" x 1/4" .....each
- 22206-2** Static Dissipative, Clear Acrylic Perforated  
Shelf, 18" x 18" x 1/4" .....each
- 22206-3** Amber Acrylic Perforated Shelf,  
18" x 18" x 1/4" .....each
- 22206-4** Black Acrylic Perforated Shelf,  
18" x 18" x 1/4" .....each
- 22206-5** Stainless Steel Perforated Shelf, 18" x 18" .....each

### ■ Shelves for 24" x 18" Desiccators

- 22207-1** Clear Acrylic Perforated Shelf,  
24" x 18" x 1/4" .....each
- 22207-2** Static Dissipative, Clear Acrylic Perforated  
Shelf, 24" x 18" x 1/4" .....each
- 22207-3** Amber Acrylic Perforated Shelf,  
24" x 18" x 1/4" .....each
- 22207-4** Black Acrylic Perforated Shelf,  
24" x 18" x 1/4" .....each
- 22207-5** Stainless Steel Perforated Shelf, 24" x 18" .....each

### ■ Shelves for 24" x 24" Desiccators

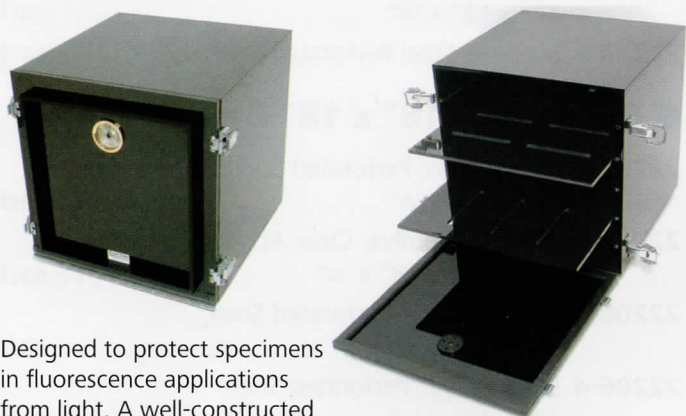
- 22210-1** Clear Acrylic Perforated Shelf with Bow Guard,  
24" x 24" x 1/4" .....each
- 22210-2** Static Dissipative, Clear Acrylic Perforated  
Shelf with Bow Guard, 24" x 24" x 1/4" .....each
- 22210-3** Amber Acrylic Perforated Shelf with Bow Guard,  
24" x 24" x 1/4" .....each
- 22207-5** Stainless Steel Perforated Shelf, 24" x 24" .....each

# DESICCATORS & DESICCANT

## Desiccator Cabinets

### ■ Black Desiccator Cabinets

From 12" x 12" x 12" to 24" x 18" x 24"



Designed to protect specimens in fluorescence applications from light. A well-constructed desiccator cabinet made from black acrylic. Also suited for forensic specimen storage or anywhere where confidentiality is important.

#### 12" x 12"

**22200-BLK** Black desiccator cabinet, 12" x 12" x 12" with 2 Perforated Black Shelves .....each

**22204-BLK** Black Desiccator Cabinet, 12" x 12" x 24" with two chambers and 4 Perforated Black Shelves .....each

**22200-4** Black Acrylic Perforated Shelf, 12" x 12" x 1/4" .....each

**22200-5** Stainless Steel Perforated Shelf, 12" x 12" .....each

#### 18" x 18"

**22206-BLK** Black Desiccator Cabinet, 18" x 18" x 18" with two chambers and 4 Perforated Black Shelves .....each

**22206-4** Black Acrylic Perforated Shelf, 18" x 18" x 1/4" .....each

**22206-5** Stainless Steel Perforated Shelf, 18" x 18" .....each

#### 24" x 18"

**22207-BLK** Black Desiccator Cabinet, 24" x 18" x 24" with two chambers and 4 Perforated Black Shelves .....each

**22207-4** Black Acrylic Perforated Shelf, 24" x 18" x 1/4" .....each

**22207-5** Stainless Steel Perforated Shelf, 24" x 18" .....each

### ■ Small Desiccator Cabinet

*stackable, polystyrene, NO gas ports*



Perfect for cramped locations, these desiccator cabinets may be safely stacked up to five high. The cabinet is completely transparent from any side. The door has a foam rubber gasket and two roller latches for an airtight seal. When opened, the door slides into an out-of-the-way compartment beneath the cabinet. A jar of silica gel is included with each cabinet. Inside dimensions:

8-1/4" x 7" x 5" high (21 x 18 x 13cm). Door opening: 7-1/2" x 4-3/8" high (19 x 11cm). Overall dimensions: 9-1/4" x 8-7/8" x 6-5/8" high (23 x 22 x 17cm)

**2248** Small Desiccator Cabinet .....each

### ■ Small Desiccator Cabinet with Gas Ports



Two gas ports added to the rear of Prod. No. 2248 Desiccator Cabinet allow an atmosphere to be created that may be altered and maintained at any concentration desired. The gas ports, located at top and bottom, create a sweep of gas from the inlet

through the outlet. The gas ports have leakproof 4mm stopcocks and the door has an excellent seal.

Useful for tissue culture work where a controlled carbon dioxide atmosphere is required or for flooding the chamber with nitrogen to eliminate oxygen.

Dimensions are the same as for the No. 2248, plus the 2-3/4" (7cm) extension of the stopcocks.

**2252** Small Desiccator w/Gas Ports .....each

### ■ Tall Desiccator Cabinet

*with dial hygrometer*



Molded of methyl methacrylate, this desiccator cabinet offers a clear view of contents. Shelf cleats allow for 15 levels of placement. Includes 3 sets of shelf rails and 3 clear shelves with small vent holes. The door has a full gasket, 2 metal hinges, 2 latches, and a handle. Door opening: 10" x 17-7/8" high (25 x 45cm). Inside depth: 13-1/4" (34cm). Overall dimensions: 12-1/2" x 15-1/4" x 20" high (32 x 39 x 51cm). Includes desiccant tray.

**22650** Tall Desiccator .....each



## ■ Horizontal Desiccator Cabinet



*with dial hygrometer*  
This desiccator cabinet is similar to the tall model (previous page), but designed in a horizontal configuration. 8 levels of shelf cleats allow for placement of 2 sets of shelf rails and 2 clear shelves with small vent holes. The door has a full

gasket and 2 metal hinges, 2 latches and a handle. Door frame inside dimensions: 17-7/8" x 10" high (45 x 25cm). Inside depth: 13-1/4" (34cm). Overall dimensions: 14-3/4" x 19-5/8" x 13-3/4" high (37 x 50 x 35cm). Includes desiccant tray.

**2254** Horizontal Desiccator .....each

## ■ Horizontal Auto-Desiccator Cabinet

*electrically operated, 110VAC*



This auto-desiccator cabinet features an adsorption/regeneration cycle for the silica gel desiccant. No desiccant tray is needed. The gel is contained in the control section, where it absorbs moisture to maintain a low (30-40%) rela-

tive humidity. The adsorption period lasts 4-1/2 hours, indicated by a green pilot light. After this period, the silica gel is regenerated for a 1/2 hour period, indicated by a red pilot light. After regeneration of silica gel, the cycle repeats. Door frame inside dimensions: 17-7/8" x 10" high (45 x 25cm). Inside depth: 13-1/4" (34cm). Overall dimensions: 14-3/4" x 19-5/8" x 13-3/4" high (37 x 50 x 35cm), excludes "Auto" attachment size.

**2256** Horizontal Auto-Desiccator .....each

**22618** Replacement Dial Hygrometer  
for above cabinets and previous page .....each

**2256-2** Additional Shelf .....each

## ■ Acrylic Desiccator Cabinets

*bronze or clear*



- Rugged cabinets are made of acrylic with heavier doors
- Air tight-doors swing on full length hinges and close with stainless steel latches
- Comes in clear and dark bronze for light-sensitive materials



All sizes are designed to provide low humidity and particulate-free storage on the benchtop or in refrigerators or freezers. Clear cabinets have 360° visibility of the contents. These sturdy cabinets are fabricated from 6.35mm (1/4") thick material while the door is 9.5mm (3/8") thick with sealing gaskets. The deep, slide-in trays make

sample removal simple and are perforated for best air circulation. Overall dimensions: 7" x 7" x 10" high (17.8 x 17.8 x 25.4cm)

**2247** Bronze Desiccator, 7" x 7" x 10" .....each

**2249** Clear Desiccator, 7" x 7" x 10" .....each

## ■ Vacuum Desiccators (polypropylene/polycarbonate)



Clear top, white bottom vacuum desiccators



All clear vacuum desiccator

### LARGE INTERIOR VOLUME

The space-saving design of the desiccator dome provides maximum interior clearances, giving an average of 13% greater interior volume than standard hemispherical domes.

### EXTRA-HEAVY WALLS

Clear polycarbonate top and base and white polypropylene bottom have extra heavy walls to eliminate the danger of implosion. This strong, shatterproof desiccator will hold a vacuum of 740mm of Hg (.09MPa) for a period of 24 hours. Maximum temperature 130°C (266°F).

### STOPCOCK WITH PTFE PLUG

The polypropylene stopcock has a PTFE plug which turns easily, allowing a slow, gentle entrance of air to prevent unnecessary turbulence and specimen damage. Stopcock handle is high-visibility red. Port accepts 1/4" (6.4mm) I.D. tubing.

### NEOPRENE O-RING

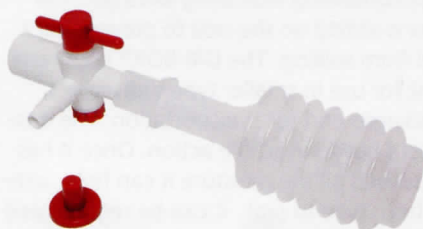
O-ring seal does not require grease, but is not harmed if grease is used. Seal is unaffected by low temperatures down to 0°C (32°F).

*continued on next page*



### ■ Vacuum-Pressure Indicator

see at a glance whether your desiccator is under vacuum or not



Easily confirm vacuum within a Space Saver Vacuum Desiccator with the Vacuum Pressure Indicator. The bellows collapse when there is negative pressure vacuum within the desiccator

and expand under ambient atmospheric pressure. The indicator fits on the tapered outlet of desiccator stopcock without requiring special tools.

**2240-5** Vacuum Pressure Indicator . . . . .each

### ■ Replacement Stopcocks



Polypropylene body with PTFE plug and washer, bright red handle and nut. Taper fits on desiccator port.

The Stopcock is 3-way for vacuum draw, shut-off and vacuum release.

**2240-4** Replacement Stopcock, Vacuum Desiccators . .each

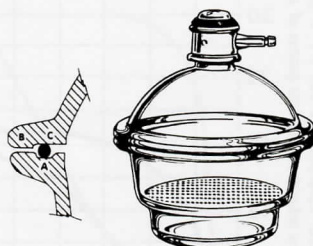
### ■ Glass Vacuum Desiccators

the Dry-Seal® desiccators that seal without grease on the flange



The lid can be removed when needed and rested on a countertop without the danger of dust and dirt adhering to a greasy surface. The lid lifts up instead of sliding sideways. It is recommended that the sleeve valve be lubricated with silicone based vacuum grease to increase performance and prevent freezing. Wheaton® "810" brand glass.

Includes: Cover, Sleeve Valve, Silicone Sealing Ring, Retaining Ring for Sleeve Valve and Aluminum Plate.



| Inside Dia., mm | 150   | 250   |
|-----------------|-------|-------|
| Sleeve Joint    | 40/35 | 55/38 |
| Body Depth, mm  | 51    | 93    |

**2275** Vacuum Desiccator, Glass, 150mm size . . . . .each

**2276** Vacuum Desiccator, Glass, 250mm size . . . . .each

### ■ Desiccant Packs for Glass Vacuum Desiccators



Designed for the 150mm and 250mm sizes. The desiccant pack is placed in the bowl of the desiccator under the aluminum plate to preserve an anhydrous atmosphere within the evacuated desiccator. The desiccant is enclosed in fabric and perforated plastic for a dust-free environment and is supplied in a sealed foil package.

Reactivation is carried out (after the Pack loses its blue color and turns pink) by placing the desiccant, with perforated side down, in a vented oven and heating for about three hours at about 175°C (350°F) or until the blue color returns.

**2276-7** Desiccant Pack, Dry-Seal® 250mm size . . . . .each

### ■ Vacu-Storr™



for safe, uncontaminated shipment and storage

Stores at 10<sup>-6</sup> torr vacuum for long periods of time.

**6086** Vacu-Storr™ Desiccator, 1.64" ID, 2.8" H . . . . .each

### Desiccant

Desiccants protect all types of articles from deterioration, rust, corrosion, mold, mildew and other damage caused by moisture or high humidity. Simply place desiccants together with the article to be protected in a tightly closed or sealed moisture resistant container. Desiccants will rapidly and actively desiccate the surrounding air and keep it that way to protect against moisture damage.

**Typical applications include:**

- Laboratory equipment and chemicals
- Cameras, lenses, photos and film
- Scientific instruments
- Medical and dental instruments
- Tools
- Museum and historical artifacts
- Fabrics
- Paper

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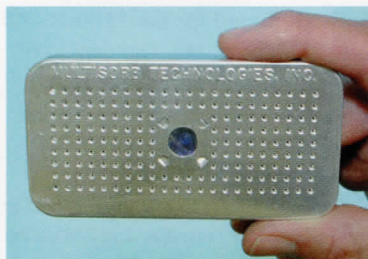


# DESICCATORS & DESICCANT

## Desiccant

### ■ DriCan®

*the "forever" desiccant for a variety of applications*



DriCan® is a small, perforated canister containing an indicating silica gel. The case is lightweight yet strong, designed to withstand years of use. The desiccant content has a reversible action. Once it has adsorbed all the moisture it can hold, indicated by

a color change from blue to pink, it can be regenerated easily in a conventional oven. After regeneration, DriCan® will be capable of reabsorbing its full capacity. This cycle can be repeated over and over again, making DriCan® the "forever" desiccant.

**DriCan® Reusable Desiccating Canisters have several distinct advantages:**

- Reusable over and over
- Regenerated easily by microwave or conventional oven
- High moisture capacity
- Easy to use

#### **Safe for all Products**

DriCan® has no harmful effect on material with which it comes in contact. The content is chemically inert, non-corrosive, non-toxic, and odorless. DriCan® can be used to dry the air in all types of moisture-resistant containers and packages including glass jars, air-tight cans, plastic pouches, tool boxes, wall safes, display cases and many more. **M** **i**

Dimensions: 55 x 102 x 13.5mm (2.16" x 4.0" x .53")

**19950** DriCan® Reusable Desiccant Canister . . . . .each

### ■ DRICAP® Capsule Dehydrators

*excellent for SEM specimen containers*



DRICAP® Capsules have more desiccant in less space and more drying power. Further advantages are: Sift-proof, non-linting, controlled adsorption rate, can be mechanically handled, color capacity indicator, saves weight and space. It is rugged and super activated. In addition to reducing humidity, capsules can

also protect against potency losses, fermentation, odor formation, color changes, corrosion, mildew, caking and condensation. The moisture-permeable cartridge shell is fabricated from clear cellulose acetate; the desiccant is activated  $\text{SiO}_2$ . **M** **i**

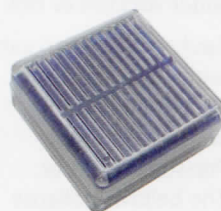
Type 11 Desiccant Weight: 0.97g; (8 x 22mm)

Type 14 Desiccant Weight: 1.85g; (8 x 40mm)

**19953** DRICAP® Capsule Dehydrators, Type 11 . . .pkg/100

**19956** DRICAP® Capsule Dehydrators, Type 14 . . .pkg/100

### ■ DRI-BOX® Reusable Sorbent Box



The DRI-BOX® is a small perforated plastic box containing indicating silica gel. The box is sealed on the side to prevent silica gel from spilling. The DRI-BOX® is convenient for use in smaller type desiccators, packages and for transportation. The desiccant has a reversible action. Once it has adsorbed all the moisture it can hold, indicated by a color change from blue to pink, it can be regenerated

easily by microwave (15-20 seconds) or conventional oven (3 hours @240 F). Once it is regenerated it turns back to blue.

DRI-BOX® size is 55x55x25mm, total weight is 67g, desiccant weight is 46g.

**19952** DRI-BOX® Reusable Desiccant Canister . . . . .each

### ■ Bulk Desiccant



*3,000,000 square feet of moisture-adsorbing surface area in 1 pound*

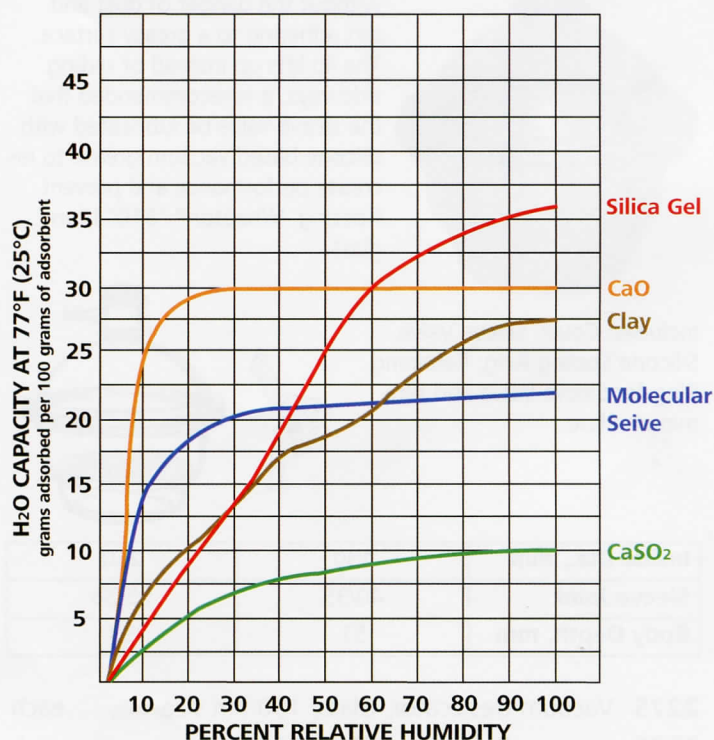
This efficient drying is carried out by a hard, clear, porous, beaded, amorphous form of silica gel. The desiccant has a myriad of microscopic pores which explains its

great moisture-attracting capacity. Translucent beads look and feel dry even when saturated. Dust-free and attrition-proof. May be regenerated by heating with no loss of efficiency. **M** **i**

**19960** Bulk Desiccant, 2 lbs (0.9kg) . . . . .each

**19961** Bulk Desiccant, 5 lbs (2.27kg) . . . . .each

#### **Percent Moisture Adsorbed Vs RH at 25°C**



**M** = MSDS on web page  
**i** = Tech Note on web page



### Barrier Foil Ziplock Bag



|          |                        |
|----------|------------------------|
| Exterior |                        |
|          | 48 ga PET              |
|          | 12# PE                 |
|          | .000285" Aluminum Foil |
| Interior | 1.5 mil LLDEP          |

Four layers of material on the Barrier Foil Ziplock Bags

Shown with our Specimen Storage box and Dricap® Capsule Dehydrators, these barrier bags are ideal for storage of materials sensitive to moisture and/or oxygen. The inside dimensions measure L x

H x W (where W is the pouch bottom width) with a zip lock and a tear notch above the zipper. The material is aluminum foil covered with multi-layered polyethylene, providing MTVR (moisture vapor transmission rate) that is 1,000 times better than a typical poly bag. They are heat sealable, and ziplock resealable. Compatible with vacuum sealers. Sizes to fit all of your needs. ⓘ

Typical applications include:

- Storage of moisture and oxygen sensitive materials/samples
- Storage of light sensitive materials/samples
- Storage of immunofluorescence labeled, confocal or immunology ANA slides from room temperature to freezer
- Storage of radioactive labeled electrophoresis gels for both refrigerator and freezer
- Storage and transport of gas monitor badges

ID is inside dimension. Bottom is \*

**139-310** Barrier Foil Ziplock Bag, 6" x 5-1/2" ID . . .pkg/100

**139-311** Barrier Foil Ziplock Bag, Small, 3-3/4" x 6" x 2-1/2"\* ID . . . . .pkg/100

**139-312** Barrier Foil Ziplock Bag, Medium, 6-1/4" x 7-3/4" x 2-1/2"\* ID . . . . .pkg/100

**139-313** Barrier Foil Ziplock Bag, Large, 7-1/2" x 8-3/4" x 3"\* ID . . . . .pkg/100

### Mini Desiccator



This small desiccator is 75mm in diameter and holds 12 pin-type specimen mounts under partial vacuum, shielded from moisture or dust. Its flat design permits easy stacking and is shatterproof. The Mini-Desiccator is ideal for transporting small specimens.

**16190** Mini Desiccator . . . . .each

ⓘ = Tech Note on web page

### 3436 Diaphragm Vacuum Pump



Oil-less diaphragm vacuum pump for use with vacuum desiccators and other applications.

This oil-less diaphragm vacuum pump has a 1/8 hp. ball bearing type motor with internal thermal protector.

|                            |                            |
|----------------------------|----------------------------|
| <b>Power requirements:</b> | 115V, 60Hz<br>single phase |
| <b>Capacity:</b>           | 1.1 cfm                    |
| <b>Maximum vacuum:</b>     | 25.5" Hg                   |
| <b>Pressure:</b>           | 60 psi                     |

3436 and 3436-220 Include: Internal filter and muffler, pressure and vacuum gauges and regulators, rubber feet, carrying handle and hose nipples.

**3436** Oil-less Diaphragm Vacuum Pump, 115V, 60Hz . . . . . each

**3436-220** Oil-less Diaphragm Vacuum Pump, 220V, 50/60Hz. . . . . each

**3436-10** Replacement Diaphragm for 3436 . . . . . each

**3436-20** Service Kit for 3436 . . . . . each  
Service Kit contains: Filter elements, screws, leaf valves, valve limiter, valve retainer and cover gasket

**92490-253** 1/4" ID Silicone Vacuum Hose . . . . . 3 ft.

**92490-256** 1/4" ID Silicone Vacuum Hose . . . . . 9 ft.

Thick walled silicone vacuum hose with 1/4" (6.35mm) inside diameter and 1/2" (12.7mm) outside diameter.

### PELCO® "Air-Out" Vacuum System



For removal of air bubbles from an epoxy resin mixture providing enhanced bonding and embedding quality.

**System Includes:**

**2246-1** All-Clear Vacuum Desiccator, Large . . . each

**3436** Oil-less Diaphragm Vacuum Pump, 115V, 60Hz. . . . . each

**3436-220** Oil-less Diaphragm Vacuum Pump, 220V, 50/60Hz . . . . . each

**813-600** PELCO® "Air-Out" Vacuum System, 115V. . . . . each

**813-600-220** PELCO® "Air-Out" Vacuum System, 220V. . . . . each

"Air-Out" Vacuum System Includes: 3436 or 3436-220 Oil-less Diaphragm Vacuum Pump and 2246-1 All-Clear Vacuum Desiccator, Large



### ■ PELCO® Mini Hot Vac Vacuum Desiccator

*vacuum and heat, can act as a desiccator or mini-drying station*



An inexpensive way to warm embedding plastics while removing gas bubbles. The aluminum base is placed on a laboratory heating plate. A vacuum can be drawn through a provided porthole in the base-plate. A digital thermometer measures the plate temperature. Can be used up to 120°C (248°F).

What a simple, inexpensive and effective way to cure embedments or dry samples while de-

gassing them! Inside dimensions are 6" Dia. x 3" H (15.3 x 7.6cm).

**2245** PELCO® Mini Hot Vac Vacuum Desiccator . . . . . each

#### Hot Plate only - no Magnetic Stirrer

**3234** P40-S Hot Plate, 115V . . . . . each

**3234-230** P40-S Hot Plate, 230V . . . . . each

**For more information on Hot Plates, with and without Magnetic Stirrers go to page 300.**

### ■ Sample-Storr™ Containers, Cylindrical



These plastic containers are designed for drying, preserving, storing and even shipping samples and will hold vacuum for months. Vacuum pump built into the top removes air with manual strokes. Rubber O-ring-sealed cover maintains vacuum. Achieves a vacuum of better than 200 inches of water. A release button on top allows air into the container to remove the lid. Use desiccants to keep material dry. Ideal for storing specimens, calibration standards and SEM holders. Diameter of all three sizes is 10.5cm (4-3/4"). Heights are 10.5cm, 14.9cm and 18.1cm (4-3/4", 5-7/8" and 7-1/8")

**16192** Sample-Storr™ Container, 0.6 liter . . . . . each

**16193** Sample-Storr™ Container, 0.85 liter . . . . . each

**16194** Sample-Storr™ Container, 1.1 liter . . . . . each

### ■ Sample-Storr™ Containers, Rectangular



Includes a horizontal side handle pressure pump and humidity gauge.

Size: 30 x 22.9 x 25.4cm and 21.6 x 17.8 x 16.5cm  
(11.8" x 9" x 10" and 8.5" x 7" x 6.5")

**16195** Sample-Storr™ Container, 3 liter . . . . . each

**16196** Sample-Storr™ Container, 11.5 liter . . . . . each

### ■ PELCO® Vacuum Desiccator Cabinet

*dry, dark, dust-free storage maintain moisture-free conditions*



Sturdy powder coated stainless steel constructed vacuum desiccator for storing electron microscopy samples, test samples, calibration standards, photographic film, forensic specimens, etc.

This design offers:

- Square corners to give more efficient storage space
- Sturdy stainless steel materials
- Effective vacuum sealing
- Slow venting

Store photographic films or reels, calibration standards and electron microscopy samples. Provided with vacuum gauge (inches of mercury, 0-30") and 3-way vacuum / vent valve. One adjustable and removable shelf included. Can hold up to 8 shelves.

Outside dimensions:

375mm W x 432mm H (with gauge) x 373mm D (with valve and latch) (14.75" W x 17" H x 14.7" D)

Inside dimensions:

298mm W x 298mm H x 302mm D  
(11.75" W x 11.75" H x 11.875" D)

**2251** PELCO® Vacuum Desiccator . . . . . each

**2251-10** Brushed, Stainless Steel Shelf for  
PELCO® Vacuum Desiccator . . . . . each