

Standard Acrylic Desiccator Cabinets



The new and improved PL desiccators are designed to protect, store or assist in moving critical materials and to prevent contamination.

These dust and moisture free enclosures safeguard valuable research specimens, sensitive parts, electronic components, calibration standards or precision mechanical assemblies. When a positive dry N² gas flow is applied, the desiccators prevent moisture from reacting with stored items. The clear acrylic enclosure allows for easy observation and locating your items. The amber units are effective for protection light sensitive materials from harmful UV light. For materials or specimens sensitive to visible light, black desiccators are available.

The acrylic desiccator cabinets are constructed of 1/4" thickness acrylic material, featuring easy-open doors and full visibility for the clear and amber models. Shelf supports strips are provided at 2" (51mm) intervals.

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 PL desiccators:

- Full length hinges
- Spring loaded sealing clamps for uniform tension
- 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
- Each chamber is provide with two nylon gas nipples (1/4NPT with 1/8 hose barb fitting)

- Solid dividers for independent chambers
- units are stackable with non-slip feet

Accessories available are:

- Additional shelves
- Interchangeable stainless steel shelves
- Flow meters and pressure relieve valves
- Controlled purge system

12" x 12" x 6" to 24"x 24" x 36" Cabinets

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

BLACK cabinets protect specimens from light or are suited for confidentiality

■ Single Door Desiccator, 12" x 12" x 6" or 12"

- 22201** Clear Desiccator Cabinet, 12" x 12" x 6" with 2 Perforated Clear Shelveseach
- 22201-AMB** Amber Desiccator Cabinet, 12" x 12" x 6" with 2 Perforated Amber Shelveseach
- 22200** Clear Desiccator Cabinet, 12" x 12" x 12" with 2 Perforated Clear Shelveseach
- 22200-DSP** Static Dissipative, Clear Desiccator Cabinet, 12" x 12" x 12" with 2 Perforated, Clear DSP Shelveseach
- 22200-AMB** Amber Desiccator Cabinet, 12" x 12" x 12" with 2 Perforated Amber Shelveseach
- 22200-BLK** Black Desiccator Cabinet, 12" x 12" x 12" with 2 Perforated Black Shelveseach

■ 2 Door Desiccator, 12" x 12" x 24" with Permanent Divider

- 22204** Clear Desiccator Cabinet, 12" x 12" x 24" with two chambers and 4 Perforated Clear Shelveseach
- 22204-DSP** Static Dissipative, Clear Desiccator Cabinet, 12" x 12" x 24" with two chambers and 4 Perforated Clear DSP Shelveseach
- 22204-AMB** Amber Desiccator Cabinet, 12" x 12" x 24" with two chambers and 4 Perforated Amber Shelveseach
- 22204-BLK** Black Desiccator Cabinet, 12" x 12" x 24" with two chambers and 4 Perforated Black Shelveseach

■ Shelves for 12" x 12" Desiccators

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

DESICCATORS

Desiccator Cabinets

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

■ 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 Shelveseach
- 22209-DSP** Static Dissipative, Clear Desiccator Cabinet, 18" x 18" x 27" with three chambers and 6 perforated Clear DSP Shelveseach
- 22209-AMB** Amber Desiccator Cabinet, 18" x 18" x 27" with three chambers and 6 perforated Amber Shelveseach

■ 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 Shelveseach
- 22207-DSP** Static Dissipative, Clear Desiccator Cabinet, 24" x 18" x 24" with two chambers and 4 Perforated Clear DSP Shelveseach
- 22207-AMB** Amber Desiccator Cabinet, 24" x 18" x 24" with two chambers and 4 Perforated Amber Shelveseach
- 22207-BLK** Black Desiccator Cabinet, 24" x 18" x 24" with two chambers and

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

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

■ 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

Large Capacity Multi-Chamber Desiccator Cabinets



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. The clear acrylic enclosure allows for easy observation and locating 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 supports 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 purge system

24" x 24" x 36" to 48" x 26" x 60" Cabinets with Rolling Carts with brakes on all wheels.

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

- 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 adds depth also)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 adds depth also) 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 adds depth also)each

DESICCATORS

Desiccator Cabinets

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 adds depth also)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 adds depth also) 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 adds depth also)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 adds depth also)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 adds depth also)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 adds depth also)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 adds depth also)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 adds depth also)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 adds depth also)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 adds depth also)each
- 22212-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 adds depth also)each
- 22212-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 adds depth also)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 adds depth also)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 adds depth also)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 adds depth also)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 of PL desiccator cabinets. This self regulating Purge System controls nitrogen (inert) gas consumption by regulating flow rate. An integral pressure sensor continually monitors 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

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DESICCATORS

Desiccator Flowmeter; Pressure Relief Valve; Casters; Shelves

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

22235 Controlled Purge System, 800-CPSeach



■ 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 SCFHeach
22619-1 Flowmeter, 2-20 SCFHeach



■ 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 stationery cabinet into a mobile unit. Steel framing, rubber wheels for quiet movement. 2 with brakes, 2 without.

22630 Casters, set of 4each

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

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 Shelveseach

22204-BLK Black Desiccator Cabinet, 12" x 12" x 24" with two chambers and 4 Perforated Black Shelveseach

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 Shelveseach

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 Shelveseach

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 Cabineteach

Small Desiccator Cabinet with Gas Ports



Two gas ports added to the rear of the 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 Portseach

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 Desiccatoreach

DESICCATORS

Desiccator Cabinets; Vacuum Desiccators

Horizontal Desiccator Cabinet



with dial hygrometer
This desiccator cabinet is similar to the tall model (above), 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 Desiccatoreach

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%) relative

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.

2256 Horizontal Auto-Desiccatoreach

22618 Replacement Dial Hygrometer
for above cabinets and previous pageeach

2256-2 Additional Shelfeach

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 bench top or in refrigerator or freezers. Clear cabinets 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 desiccators

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 white polypropylene bottom (clear base is polycarbonate) 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.

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POLYPROPYLENE BOTTOM SECTION

Provides excellent chemical resistance and permits the use of incandescent crucibles with standard size porcelain plates. The base of the all clear version is polycarbonate.

PERFORATED PLATE

Polypropylene plate supplied is 1/8" (3.2mm) thick with 1/8" diameter perforations for air transfer. Plate rests on the retaining ledge of bottom section and has a center hole for easy removal. Desiccant needs to be purchased separately.

Small Vacuum Desiccator

	Inches	mm
Flange O.D.	6-3/4	171
Inside Dia.	5-7/8	149
Plate Dia.	5-1/2	140
Overall Height	8-1/8	206
Max. clearance above plate	4-3/4	121
Desiccant cartridge Dia.	4-1/2	114

- 2240** Vacuum Desiccator, Small, Clear Top, White Bottomeach
- 2240-1** All-Clear Vacuum Desiccator, Smalleach
- 2240-3** Cartridge Desiccant, Smalleach
- 2240-8** Replacement O-ring for 3340 or 2240-1each

Medium Vacuum Desiccator

	Inches	mm
Flange O.D.	9-1/16	230
Inside Dia.	7-3/4	197
Plate Dia.	7-1/2	190
Overall Height	10-1/4	260
Max. clearance above plate	6-3/16	157
Desiccant cartridge Dia.	7-3/4	197

- 2244** Vacuum Desiccator, Medium, Clear Top, White Bottomeach
- 2244-1** All-Clear Vacuum Desiccator, Mediumeach
- 2244-3** Cartridge Desiccant, Mediumeach
- 2244-8** Replacement O-ring for 3344 or 2244-1each

Large Vacuum Desiccator

	Inches	mm
Flange O.D.	10-3/4	273
Inside Dia.	9-7/16	240
Plate Dia.	9-1/2	230
Overall Height	12-1/8	311
Max. clearance above plate	7-3/4	197
Desiccant cartridge Dia.	9-3/8	238

- 2246** Vacuum Desiccator, Large, Clear Top, White Bottomeach

- 2246-1** All-Clear Vacuum Desiccator, Largeeach
- 2246-3** Cartridge Desiccant, Largeeach
- 2246-8** Replacement O-ring for 3346 or 2246-1each

Vacuum Chamber and Plate



This low-cost Vacuum Chamber is useful for vacuum drying, degassing procedures, or demonstrations. It withstands a full vacuum at room temperature. The chamber is molded of clear polycarbonate for full visibility. The strong plastic plate has an O-ring which seals against the chamber's flange. The polypropylene stopcock has a

PTFE plug and accepts 1/4" (6.4mm) I.D. tubing. Chamber I.D. is 7-7/8" (20cm) and maximum inside height is 4-3/8" (11cm). Plate is 1-3/4" high (44mm) x 9-1/8" (232mm) in diameter.

- 2259** Vacuum Chamber and Plateeach
- 2259-9** Replacement o-ring for 2259each

Cartridge Desiccant



Eliminate the messy, time-consuming job of changing loose desiccant. Convenient, easy-to-handle Desiccant in a Cartridge fits into the bottom section of standard glass or plastic desiccators. The cartridge consists of a durable polyester-felt bag with a perforated Mylar® cover sealed in place. It is filled with indicating silica gel beads which change color from blue when dry to pink when moist. Saturated gel can be regenerated in a 300°F (150°C) vented oven for 3 hours or more (depending on size) until blue color returns. May be reactivated repeatedly without degradation. Individually sealed in a moisture-proof pouch.

Prod. No.	Size	Desiccator Diameter	Cartridge Diameter	Weight	
				lbs.	kg
2240-3	Small	160mm	114mm	1/2	0.23
2244-3	Medium	200mm	197mm	1-1/2	0.68
2246-3	Large	250mm	238mm	3	1.36

- 2240-3** Cartridge Desiccant, 114mm dia.each
- 2244-3** Cartridge Desiccant, 197mm dia.each
- 2246-3** Cartridge Desiccant, 238mm dia.each

DESICCATORS

Vacuum-Pressure Indicator; Stopcocks; Glass Vacuum Desiccators; Desiccant; Vacuum Storage

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 Indicatoreach

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

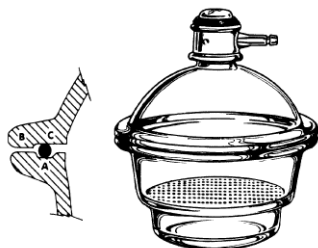
Glass Vacuum Desiccators

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 sizeeach

2276 Vacuum Desiccator, Glass, 250mm sizeeach

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 sizeeach

Vacu-Storr™



for safe, uncontaminated shipment and storage

Stores at 10⁻⁶ torr vacuum for long periods of time.

6086 Vacu-Storr™ Desiccator, 1.64" ID, 2.8" Heach

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:

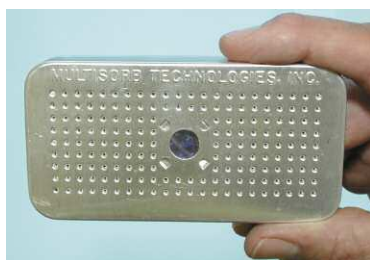
- Laboratory equipment and chemicals
- Cameras, lenses, photos and film
- Scientific instruments
- Medical and dental instruments
- Tools
- Museum and historical artifacts
- Fabrics
- Paper

continued on next page

= MSDS on web page
 = Tech Note on web page

■ 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 by microwave or conventional oven. After regeneration, DriCan® will be capable of re-adsorbing 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
- 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.  

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



19950 DriCan® Reusable Desiccant Canistereach

■ 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 SiO₂.  

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 is 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 Canistereach

■ 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.  

19960 Bulk Desiccant, 2 lbs (0.9kg)each

19961 Bulk Desiccant, 5 lbs (2.27kg)each

■ Cartridge Desiccant



eliminate the messy, time-consuming job of changing loose desiccant. Convenient, easy-to-handle

Desiccant in a Cartridge fits into the bottom section of standard glass or plastic desiccators. The cartridge consists of a durable polyester-felt bag with a perforated Mylar® cover sealed in place. It is filled with indicating silica gel beads which change color from blue when dry to pink when moist. Saturated gel can be regenerated in a 300°F (150°C) vented oven for 3 hours or more (depending on size) until blue color returns. May be reactivated repeatedly without degradation. Individually sealed in a moisture-proof pouch.

Prod. No.	Desiccator Diameter	Cartridge Diameter	Weight	
			lbs.	kg
22403	160mm	114mm	1/2	0.23
22443	200mm	197mm	1-1/2	0.68
22463	250mm	230mm	3	1.36

2240-3 Cartridge Desiccant, 114mm dia.each

2244-3 Cartridge Desiccant, 197mm dia.each

2246-3 Cartridge Desiccant, 238mm dia.each

DESICCATORS

Barrier Foil Bag; Mini Desiccator, Diaphragm Vacuum Pump; "Air-Out" Vacuum System

Barrier Foil Ziplock Bag



Shown with our Specimen Storage Box and DRICAP® Capsule Dehydrators, this barrier bag is ideal for storage of materials sensitive to moisture and/or oxygen. The inside dimension measures 6 x 5.5" with a zip lock and a tear notch above the zipper. The material is a metal foil-covered 4mil polyethylene with a MVTR (moisture vapor transmission rate) that is 1,000 times better than a typical poly bag. It is heat sealable and ziplock resealable.

139-310 Barrier Foil Ziplock Bag, 6 x 5.5" IDpkg/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. It's flat design permits easy stacking and is shatterproof. The Mini-Desiccator is ideal for transporting specimens.

16190 Mini Desiccator . .each

3436 Diaphragm Vacuum Pump



Oil-less diaphragm vacuum pump for use with the PELCO® 3435 Microwave Vacuum Chamber and other applications.

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

Power requirements: 115V, 60Hz
single phase

Capacity: 1.1 cfm
Maximum vacuum: 25.5" Hg
Pressure: 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 the epoxy resin mixture providing enhanced bonding and embedding quality.

System Includes:

2246-1 All-Clear Vacuum Desiccator, Large each

2246-1 Specifications

	mm	mm
Flange O.D.	10-3/4	273
Flinside Dia.	9-7/16	240
Takes Plate	No. 5	230
Overall Height	12-1/8	311
Maximum Clearance above plate	7-3/4	197

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

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

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

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 modest, inexpensive and effective way to cure embeddings or dry samples while

degassing 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 (m

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 000.

■ 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 from our shop offers:

- Square corners to give more efficient storage space

- Sturdy stainless steel materials
- Effective vacuum sealing
- Slow venting

Store photographic films or reels, calibrations 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.

Outside dimensions:

375mm W x 432mm H (with gauge) x 373mm D (with valve and latch) (14.75" W x 17" H x 14.69" 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