

Adjust-A-Shelf Desiccators (Dry Nitrogen Cabinet)

Overview

Durable, efficient nitrogen-purged storage cabinets from the industry-leading desiccator dry cabinet manufacturer

Automatically maintains clean, dry, static-safe conditions to reduce part defects and extend product yields

Optional smart humidity controllers provide unsurpassed efficiency to reduce nitrogen costs and maintain a constant, traceable clean, dry environment—

Features

- DualPurge™ System
- NitroWatchRB®
- Stainless Steel Door Frame
- Grounding Terminals
- Sensor Switches
- Plenum Chamber
- Automatic RB® Valve
- One-Piece Gaskets
- Chrome-Plated Wire Racks
- Stainless Steel Shelf
- Grounded Door Latch
- Stands
- Tamper-Proof Hinges



SmartDesiccator™ nitrogen cabinets incorporate humidity sensor/display module into benchtop cabinets

NitroPlex™ dry nitrogen cabinets provide multiplexed nitrogen control for optimal efficiency in larger desiccators

Unique design and fabrication techniques produce durable, tight-sealing nitrogen cabinets

Plenum chamber minimizes backfill, ensures uniform gas distribution

Optional Automatic RB® (Relief/Bleed) Valve stabilizes internal pressure, protects dry cabinet doors and seals

Full line of standardized sizes and components simplifies parts replacement

Optional 304 stainless steel doors extend cabinet's service life and improve sealing performance

Chrome-plated racks allow shelf placement at one-inch increments (electropolished stainless steel available)

Locking LiftLatches™ open and close without straining doors, provide lock-out security

Static-control options protect sensitive materials against ESD

Grounded rack and door latch and built-in grounding terminals provide additional ESD safety

Conforms to DOD Handbook 263, MIL-SPEC 1686 and 1772 with selection of proper accessories

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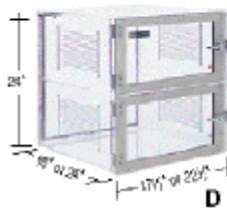
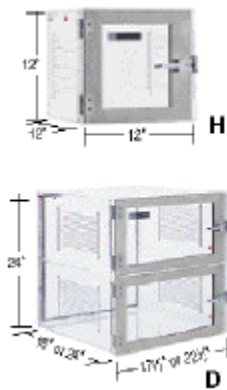
Standard Adjust-A-Shelf™ Desiccator Cabinets
(Model Shown: No. 3950-36 with options)



No. 3950-45, shown with optional 304 stainless steel doors, shelves, humidity controls, stand. No. 3950-48, shown with optional 304 stainless steel doors, shelves, humidity controls, stand.

 Available in Static-Dissipative PVC for long-lasting ESD & particle control.

One Chamber Per Tier Adjust-A-Shelf Desiccators



Illustrations above shown with optional stainless steel door frames.

Adjust-A-Shelf™ Desiccator						
Specifications				Static Dissipative* PVC	Clear Acrylic	Amber Acrylic
Type	Overall Dimensions W" x D" x H"	No. of Doors	I.D. of Shelves (useable area) W" x D"	Cat. #	Cat. #	Cat. #

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D	22.625 x 24 x 24	2	19.875 x 21	3950-09	3950-39	3950-69
	17.125 x 18 x 24	2	14.25 x 14.5	3950-10	3950-40	3950-70
	22.625 x 18 x 24	2	19.875 x 14.5	3950-11	3950-41	3950-71
E	22.625 x 24 x 36	3	19.875 x 21	3950-12	3950-42	3950-72
	17.125 x 18 x 36	3	14.25 x 14.5	3950-13	3950-43	3950-73
	22.625 x 18 x 36	3	19.875 x 14.5	3950-14	3950-44	3950-74
F	22.625 x 24 x 48	4	19.875 x 21	3950-15	3950-45	3950-75
	17.125 x 18 x 48	4	14.25 x 14.5	3950-16	3950-46	3950-76
	22.625 x 18 x 48	4	19.875 x 14.5	3950-17	3950-47	3950-77
G	22.625 x 24 x 60	5	19.875 x 21	3950-18	3950-48	3950-78
	17.125 x 18 x 60	5	14.25 x 14.5	3950-19	3950-49	3950-79
	22.625 x 18 x 60	5	19.875 x 14.5	3950-20	3950-50	3950-80
H	12 x 12 x 12	1	9.75 x 9.25	3950-21	3950-51	3950-81

- Constructed of transparent static-dissipative PVC; removable back wall made of nondissipative material.

Corresponding Shelves and Door Frames						
Specifications				Acrylic Shelves (Includes Bow Guard)		Stainless Steel Doors Frames (Select appropriate quantity for your desiccator)
Type	Overall Dimensions W" x D" x H"	No. of Doors	I.D. of Shelves (useable area) W" x D"	Cat. #		Cat. #
D	22.625 x 24 x 24	2	19.875 x 21	1978-01		2200-60
	17.125 x 18 x 24	2	14.25 x 14.5	1976-01		2200-61
	22.625 x 18 x 24	2	19.875 x 14.5	1977-01		2200-60
E	22.625 x 24 x 36	3	19.875 x 21	1978-01		2200-60
	17.125 x 18 x 36	3	14.25 x 14.5	1976-01		2200-61
	22.625 x 18 x 36	3	19.875 x 14.5	1977-01		2200-60
F	22.625 x 24 x 48	4	19.875 x 21	1978-01		2200-60
	17.125 x 18 x 48	4	14.25 x 14.5	1976-01		2200-61
	22.625 x 18 x 48	4	19.875 x 14.5	1977-01		2200-60
G	22.625 x 24 x 60	5	19.875 x 21	1978-01		2200-60

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	17.125 x 18 x 60	5	14.25 x 14.5	1976-01		2200-61
	22.625 x 18 x 60	5	19.875 x 14.5	1977-01		2200-60
H	12 x 12 x 12	1	9.75 x 9.25	1935-01		2200-14

**** For use in acrylic cabinets. Select stainless steel shelves for use with static-dissipative PVC cabinets. Corresponding Stainless Steel Shelves****

Specifications				Perforated Shelf		Non-Perforated Tray	
Type	Overall Dimensions W" x D" x H"	No. of Doors	I.D. of Shelves (useable area) W" x D"	Cat. #		Cat. #	
D	22.625 x 24 x 24	2	19.875 x 21	1978-02		1978-04	
	17.125 x 18 x 24	2	14.25 x 14.5	1976-02		1976-04	
	22.625 x 18 x 24	2	19.875 x 14.5	1977-02		1977-04	
E	22.625 x 24 x 36	3	19.875 x 21	1978-02		1978-04	
	17.125 x 18 x 36	3	14.25 x 14.5	1976-02		1976-04	
	22.625 x 18 x 36	3	19.875 x 14.5	1977-02		1977-04	
F	22.625 x 24 x 48	4	19.875 x 21	1978-02		1978-04	
	17.125 x 18 x 48	4	14.25 x 14.5	1976-02		1976-04	
	22.625 x 18 x 48	4	19.875 x 14.5	1977-02		1977-04	
G	22.625 x 24 x 60	5	19.875 x 21	1978-02		1978-04	
	17.125 x 18 x 60	5	14.25 x 14.5	1976-02		1976-04	
	22.625 x 18 x 60	5	19.875 x 14.5	1977-02		1977-04	
H	12 x 12 x 12	1	9.75 x 9.25	1935-02		1935-04	

Corresponding Stainless Steel Shelves**

Specifications				Non-Perforated Shelf		Non-Perforated Shelf	
Type	Overall Dimensions W" x D" x H"	No. of Doors	I.D. of Shelves (useable area) W" x D"	Cat. #		Cat. #	
D	22.625 x 24 x 24	2	19.875 x 21	1978-05		1978-06	
	17.125 x 18 x 24	2	14.25 x 14.5	1976-05		1976-06	
	22.625 x 18 x 24	2	19.875 x 14.5	1977-05		1977-06	
E	22.625 x 24 x 36	3	19.875 x 21	1978-05		1978-06	
	17.125 x 18 x 36	3	14.25 x 14.5	1976-05		1976-06	
	22.625 x 18 x 36	3	19.875 x 14.5	1977-05		1977-06	
F	22.625 x 24 x 48	4	19.875 x 21	1978-05		1978-06	
	17.125 x 18 x 48	4	14.25 x 14.5	1976-05		1976-06	
	22.625 x 18 x 48	4	19.875 x 14.5	1977-05		1977-06	
G	22.625 x 24 x 60	5	19.875 x 21	1978-05		1978-06	
	17.125 x 18 x 60	5	14.25 x 14.5	1976-05		1976-06	
	22.625 x 18 x 60	5	19.875 x 14.5	1977-05		1977-06	

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H	12 x 12 x 12	1	9.75 x 9.25	1935-05	1935-06
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**** Price for a shelf, shield, or tray of a given size is the same. To order electropolished stainless steel shelving, add "EP" to the catalog number and 30% to the price. Corresponding Stands, One Chambers Per Tier (leveling feet excluded) See information on casters below)**

Specifications				Stainless Steel		
Type	Nominal Dimensions W" x D" x H"	No. of Doors	I.D. of Shelves (useable area) W" x D"	4" High		12" High
				Cat. #	Cat. #	Cat. #
D	22.625 x 24 x 24	2	19.875 x 21	1740-44A	1740-80A	
	17.125 x 18 x 24	2	14.25 x 14.5	1740-48A	1601-10A	
	22.625 x 18 x 24	2	19.875 x 14.5	1740-52A	1740-88A	
E	22.625 x 24 x 36	3	19.875 x 21	1740-44A	1740-80A	
	17.125 x 18 x 36	3	14.25 x 14.5	1740-48A	1601-10A	
	22.625 x 18 x 36	3	19.875 x 14.5	1740-52A	1740-88A	
F	22.625 x 24 x 48	4	19.875 x 21	1740-44A	1740-80A	
	17.125 x 18 x 48	4	14.25 x 14.5	1740-48A	1601-10A	
	22.625 x 18 x 48	4	19.875 x 14.5	1740-52A	1740-88A	
G	22.625 x 24 x 60	5	19.875 x 21	1740-44A	1740-80A	
	17.125 x 18 x 60	5	14.25 x 14.5	1740-48A	1601-10A	
	22.625 x 18 x 60	5	19.875 x 14.5	1740-52A	1740-88A	
H	12 x 12 x 12	1	9.75 x 9.25		1605-09A	

Other Options	
	Cat. #
Dual Purge™ System	1606-61
Dual Purge™ Sensor Switches (one/desiccator door required)	1600-49
Automatic RB® Valve	1600-60B
NitroWatch®	9500-00A
NitroWatch® Sensor (one/desiccator required)	9500-02A
Casters (heavy-duty, low-profile, set of 4, including 2 with brakes)	1700-44

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Two Chamber Per Tier Adjust-A-Shelf Desiccators



Shelving (including shields and trays) of models listed on these pages can be used interchangeably in any desiccator chamber with the same nominal dimensions.

Note: All nominal dimensions exclude front door lip and other hardware. See illustration below. Illustrations shown with optional stainless steel door frames.

Adjust-A-Shelf™ Desiccators						
Specifications				Two Chambers Per Tier		
Type	Overall Dimensions	No. of Doors	I.D. of Shelves (useable area)	Static Dissipative* PVC	Clear Acrylic	Amber Acrylic
	W" x D" x H"		W" x D"	Cat. #	Cat. #	Cat. #
A	45 x 24 x 36	6	19.875 x 21	3950-00	3950-30	3950-60
	34 x 18 x 36	6	14.25 x 14.5	3950-01	3950-31	3950-61
	45 x 18 x 36	6	19.875 x 14.5	3950-02	3950-32	3950-62
B	45 x 24 x 48	8	19.875 x 21	3950-03	3950-33	3950-63
	34 x 18 x 48	8	14.25 x 14.5	3950-04	3950-34	3950-64
	45 x 18 x 48	8	19.875 x 14.5	3950-05	3950-35	3950-65
C	45 x 24 x 60	10	19.875 x 21	3950-06	3950-36	3950-66
	34 x 18 x 60	10	14.25 x 14.5	3950-07	3950-37	3950-67
	45 x 18 x 60	10	19.875 x 14.5	3950-08	3950-38	3950-68

- Constructed of transparent static-dissipative PVC; removable back wall made of nondissipative material.

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Corresponding Shelves and Door Frames, Two Chambers per Tier				Corresponding Acrylic Shelves		Stainless Steel Door Frames	
Specifications				Includes Bow Guard**		Select appropriate quantity for your desiccator.	
Type	Overall Dimensions	No. of Doors	ID of Shelves (useable area)				
	W" x D" x H"		W" x D"	Cat. #		Cat.	
A	45 x 24 x 36	6	19.875 x 21	1978-01		2200-30	
	34 x 18 x 36	6	14.25 x 14.5	1976-01		2200-31	
	45 x 18 x 36	6	19.875 x 14.5	1977-01		2200-30	
B	45 x 24 x 48	8	19.875 x 21	1978-01		2200-30	
	34 x 18 x 48	8	14.25 x 14.5	1976-01		2200-31	
	45 x 18 x 48	8	19.875 x 14.5	1977-01		2200-30	
C	45 x 24 x 60	10	19.875 x 21	1978-01		2200-30	
	34 x 18 x 60	10	14.25 x 14.5	1976-01		2200-31	
	45 x 18 x 60	10	19.875 x 14.5	1977-01		2200-30	

** For use in acrylic cabinets. Select stainless steel shelves for use with static-dissipative PVC cabinets.

Corresponding Stainless Steel Shelves**, Two Chambers Per Tier							
Specifications				Perforated Shelf	Non-Perforated Tray	Non-Perforated Shelf	Non-Perforated Shield
Type	Overall Dimensions	No. of Doors	ID of Shelves (useable area)				
	W" x D" x H"		W" x D"	Cat. #	Cat. #	Cat. #	Cat. #
A	45 x 24 x 36	6	19.875 x 21	1978-02	1978-04	1978-05	1978-06
	34 x 18 x 36	6	14.25 x 14.5	1976-02	1976-04	1976-05	1976-06
	45 x 18 x 36	6	19.875 x 14.5	1977-02	1977-04	1977-05	1977-06
B	45 x 24 x 48	8	19.875 x 21	1978-02	1978-04	1978-05	1978-06
	34 x 18 x 48	8	14.25 x 14.5	1976-02	1976-04	1976-05	1976-06
	45 x 18 x 48	8	19.875 x 14.5	1977-02	1977-04	1977-05	1977-06
C	45 x 24 x 60	10	19.875 x 21	1978-02	1978-04	1978-05	1978-06
	34 x 18 x 60	10	14.25 x 14.5	1976-02	1976-04	1976-05	1976-06
	45 x 18 x 60	10	19.875 x 14.5	1977-02	1977-04	1977-05	1977-06

** Price for a shelf, shield, or tray of a given size is the same. To order electropolished stainless steel shelving, add "EP" to the catalog no. and 30% to the price.

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Corresponding Stands, Two Chambers Per Tier (see information on casters below)					
Type	Specifications			Stainless Steel	
	Overall Dimensions	No. of Doors	ID of Shelves (useable area)	4" High	12" High
				W" x D" x H"	W" x D"
A	45 x 24 x 36	6	19.875 x 21	1740-92A	1740-56A
	34 x 18 x 36	6	14.25 x 14.5	1740-94A	1740-60A
	45 x 18 x 36	6	19.875 x 14.5	1740-96A	1740-64A
B	45 x 24 x 48	8	19.875 x 21	1740-92A	1740-56A
	34 x 18 x 48	8	14.25 x 14.5	1740-94A	1740-60A
	45 x 18 x 48	8	19.875 x 14.5	1740-96A	1740-64A
C	45 x 24 x 60	10	19.875 x 21	1740-92A	1740-56A
	34 x 18 x 60	10	14.25 x 14.5	1740-94A	1740-60A
	45 x 18 x 60	10	19.875 x 14.5	1740-96A	1740-64A

Other Options	
	Cat. #
Dual Purge™ System	1606-61
Dual Purge™ Sensor Switches (one/desiccator door required)	1600-49
Automatic RB® Valve	1600-60B
NitroWatch®	9500-00A
NitroWatch® Sensor (one/desiccator required)	9500-02A
Casters (heavy-duty, low-profile, set of 4, including 2 with brakes)	1700-44

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