

# Dry Cabinet & Desiccator



## General Application

- Storage of various moisture-sensitive reagents, samples and seeds.
- Storage of various electronic devices, cameras, lenses, photographs, and film literature.

	Description	Note	Model	Page
Dry cabinet	<b>Auto desiccator</b> <ul style="list-style-type: none"> <li>• Storage of moisture-sensitive materials and samples</li> <li>• Convenient use with automatic electronic desiccator</li> </ul>	Auto-dry	DC2	248
Vacuum desiccator	<b>Cubic</b> <ul style="list-style-type: none"> <li>• Convenient checking of vacuum degree with the vacuum gauge on the front door</li> <li>• Height-adjustable shelves and space-efficient stacking structure</li> </ul>	General type	VDC	250
		UV blocking type	VDC-U	250
	<b>Round</b> <ul style="list-style-type: none"> <li>• Transparent and durable polycarbonate material</li> <li>• Vacuum up to 1 Torr for up to 72 hours</li> </ul>	General type	VDR	250
		UV blocking type	VDR-U	250
	<b>Cylinder</b> <ul style="list-style-type: none"> <li>• Convenient structure for large-volume sample desiccator</li> <li>• 3-way valve included as standard for easy gas replacement</li> </ul>	General type	VDP	250
		UV blocking type	VDP-U	250
Desiccator	<b>Cubic</b> <ul style="list-style-type: none"> <li>• Easy to check with hygrometer attached to the front door</li> <li>• Drawer-type shelves included as standard for convenient storage of small samples</li> </ul>	General type	SDC	252
		UV blocking type	SDC-U	252

※ The contents of the above and the contents of this catalog may differ depending on the specific model and conditions of use. For the information about the features and specifications that applying to each model, please check the information on the corresponding page of each model.



Compliance with Guidelines for Restriction of Hazardous Substances Use.



User safety by blocking potentially harmful UV light.



Leakage minimized using an integrated mold.



Door locking system with key.



2 year warranty free A/S.

# Dry Cabinet

## Auto desiccator

### Storage of moisture-sensitive materials and samples



**DC2-21L**  
with Shelves 4 ea (standard)



**DC2-41**  
with Shelves 8 ea (standard)

#### > Automatic electronic desiccator unit

Convenient maintenance due to there being no need for a desiccant by automatically controlling the set humidity inside the storage cabinet.

#### > Convenient humidity setting and control

20~40%RH (Actual set-up humid.), 10~60%RH (Setting range, 1% scale)

Deviation notification and calibration for humidity & temperature allow more reliable control.

#### > Real-time temperature and humidity display

Displays the temperature and humidity inside the library in real time.



Current temperature value

Current humidity value

Humidity setting



#### Convenient internal observation

Convenient internal observation with large transparent window made of acrylic material.



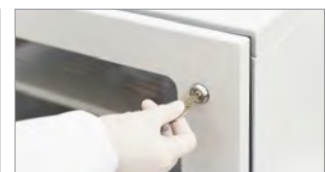
#### Height-adjustable shelves & optional drawers

Shelves can be adjusted in height, making it convenient loading of various samples. If you install drawers (optional), it is easy to handle storage inside.



#### Easy to move and install

Casters which make it easy to move/fix are provided as standard for convenient moving and installation of the product. (DC2-41(A) model)



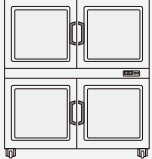


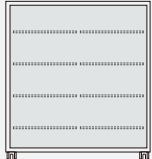
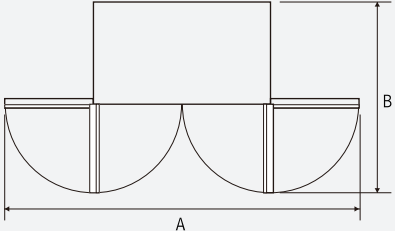


#### Door lock

Key lock is provided as standard to block unauthorized access.



## Specification

Model		DC2-11(A) <sup>3)</sup>	DC2-21L(A) <sup>3)</sup>	DC2-41(A) <sup>3)</sup>												
Control range <sup>1), 2)</sup>		20~60%RH (1% scale)	20~60%RH (1% scale)	20~60%RH (1% scale)												
Internal volume (L / cu ft)		120 / 4.24	240 / 8.48	480 / 16.95												
Internal dimensions (W x D x H, mm / inch)		470 x 530 x 485 / 18.5 x 20.9 x 19.1	470 x 530 x 1120 / 18.5 x 20.9 x 44.1	1015 x 530 x 1120 / 40.0 x 20.9 x 38.2												
Exterior dimensions (W x D x H, mm / inch)		540 x 680 x 650 / 21.6 x 26.8 x 25.5	540 x 680 x 1195 / 21.6 x 26.8 x 47	1085 x 680 x 1265 / 42.7 x 26.8 x 49.8												
Quantity of door		1	2	4												
Stackable type		Yes	No	No												
Quantity of shelves (standard/max.)		2 / 4	4 / 8	8 / 16												
Max. load per shelf (kg / lbs)		20 / 44	20 / 44	20 / 44												
Net Weight (kg / lbs)		42 / 93	65 / 143	118 / 260												
Electrical requirements (230V, 50/60Hz, 1P,A)		2	2	4												
Cat. No.	Basic	AAHF70125K	AAHF70225K	AAHF70425K												
	Anti-electricity	AAHF70135K	AAHF70235K	AAHF70435K												
Product appearance																
Product interior																
		<table border="1"> <thead> <tr> <th>Model</th> <th>A (mm / inch)</th> <th>B (mm / inch)</th> </tr> </thead> <tbody> <tr> <td>DC2-11(A)</td> <td>1094 / 43.1</td> <td>1202 / 47.3</td> </tr> <tr> <td>DC2-21L(A)</td> <td>1094 / 43.1</td> <td>1202 / 47.3</td> </tr> <tr> <td>DC2-41(A)</td> <td>2200 / 86.6</td> <td>1202 / 47.3</td> </tr> </tbody> </table> 			Model	A (mm / inch)	B (mm / inch)	DC2-11(A)	1094 / 43.1	1202 / 47.3	DC2-21L(A)	1094 / 43.1	1202 / 47.3	DC2-41(A)	2200 / 86.6	1202 / 47.3
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DC2-11(A)	1094 / 43.1	1202 / 47.3														
DC2-21L(A)	1094 / 43.1	1202 / 47.3														
DC2-41(A)	2200 / 86.6	1202 / 47.3														

- 1) Internal humidity may temporarily increase when the dehumidifying element of the unit is dried.
- 2) Performance may vary depending on your installation environment.
- 3) DC2-A model is an anti-static product that prevents static electricity.

## Accessories

Model		Dimension (W x D x H, mm)	Cat. No.
Shelves	Epoxy powder coated steel	460 x 525 x 60 / 18.1 x 20.7 x 2.4	AAAF7521
	Anti-static paint steel	460 x 525 x 60 / 18.1 x 20.7 x 2.4	AAAF7522
Drawer	Epoxy powder coated steel	420 x 500 x 100 / 16.5 x 19.7 x 3.9	AAAF7531
	Anti-static paint steel	420 x 500 x 100 / 16.5 x 19.7 x 3.9	AAAF7541



Shelf



Drawer

# Vacuum Desiccator

## Optimum choice for dehumidification in vacuum state

- > **1 Torr, maintained for 72 hours**  
Up to 1 Torr vacuum maintained for 72 hours. Suitable for samples that need to be dehumidified in vacuum state.
- > **Solid integral structure**  
Made of integral mold to minimize leakage and there is no warping even in repeated high vacuum conditions.
- > **Transparent observation environment**  
The material of the body is polycarbonate.(PC)
- > **UV blocking model**  
UV blocking model provided for vacuum storage of light-sensitive samples.
- > **Desiccant Tray**  
Includes a dedicated tray made of PP as standard that the user can conveniently place a desiccant in.



**VDC-31 (Cubic type)**  
with Vacuum Gauge (standard)



**VDR-25G (Round type)**  
with Vacuum Gauge (option)



**VDP-30G (Cylinder type)**  
with 2ea Perforated Shelf (standard),  
Vacuum Gauge (standard)



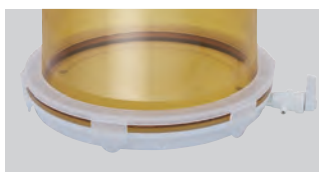
**Useful 3-way valve**  
Convenient and useful valve structure for vacuum formation, remove and gas substitution replacement.



**Multi-level stacking (VDC series)**  
Stable multi-level loading to maximize space efficiency.



**Height-adjustable shelves (VDC series)**  
Height-adjustable shelf structure for convenient loading of various samples.



**Locker (VDR, VDP series)**  
Conveniently and safely fixed at normal pressure when used or transported.



**RoHS eco-friendly products**  
Eco-friendly products that have been deemed acceptable in accordance with Restriction of the Use of Certain Hazardous Substances. (RoHS) (except for U model)



**UV blocking model (U model)**  
Vacuum storage of light-sensitive samples.



## Specification

### Cubic Type

Model	Clear type	VDC-11	VDC-21	VDC-31	VDC-41
	UV protection	VDC-11U	VDC-21U	VDC-31U	VDC-41U
<b>Internal volume (L / cu ft)</b>		11 / 0.4	23 / 0.8	35 / 1.2	45 / 1.6
<b>Vacuum</b>	Gauge range (Analog) (Mpa)	0 to -0.1	0 to -0.1	0 to -0.1	0 to -0.1
	Max. permissible vacuum (Body) (Mpa)	$1.33 \times 10^{-4}$ (1 Torr)	$1.33 \times 10^{-4}$ (1 Torr)	$1.33 \times 10^{-4}$ (1 Torr)	$1.33 \times 10^{-4}$ (1 Torr)
<b>Dimension</b>	Internal (W x D x H, mm / inch)	248 x 254 x 238 / 9.8 x 10 x 9.4	346 x 365 x 246 / 13.6 x 14.4 x 9.7	355 x 375 x 345 / 14 x 14.8 x 13.6	355 x 374 x 445 / 14 x 14.7 x 17.5
	Overall (W x D x H, mm / inch)	322 x 285 x 271 / 12.7 x 11.2 x 10.7	420 x 397 x 281 / 16.5 x 15.6 x 11.1	420 x 397 x 381 / 16.5 x 15.6 x 15	420 x 397 x 491 / 16.5 x 15.6 x 19.3
	Perforated shelf (W x D x H, mm / inch)	202 x 204 x 6.5 / 7.95 x 8.0 x 0.3	289 x 304 x 11 / 11.4 x 12.0 x 0.4	289 x 304 x 11 / 11.4 x 12.0 x 0.4	289 x 304 x 11 / 11.4 x 12.0 x 0.4
	Desiccant tray (W x D x H, mm / inch)	158 x 194 x 24 / 6.2 x 7.6 x 0.9	218 x 268 x 26 / 8.6 x 10.6 x 1.0	218 x 268 x 26 / 8.6 x 10.6 x 1.0	218 x 268 x 26 / 8.6 x 10.6 x 1.0
	Nozzle dia. (mm / inch)	9.5 / 0.37	9.5 / 0.37	9.5 / 0.37	9.5 / 0.37
	Net weight (kg / lbs)	4.2 / 9.3	8.2 / 18.1	10.8 / 23.8	12.2 / 26.9
<b>Shelves</b>	Quantity of shelves (standard / max.)	2 / 4	2 / 4	3 / 5	3 / 6
	Max. load per shelf (kg / lbs)	3 / 6.6	5 / 11.0	5 / 11.0	5 / 11.0
<b>Cat. No.</b>	<b>Clear type</b>	<b>AAAD4001</b>	<b>AAAD4021</b>	<b>AAAD4011</b>	<b>AAAD4031</b>
	<b>UV protection</b>	<b>AAAD4101</b>	<b>AAAD4121</b>	<b>AAAD4111</b>	<b>AAAD4131</b>

**Accessories** [Page 253](#) Desiccant Tray, Perforated Shelf, Vacuum Seal, 3-way Valve, Vacuum Gauge

### Round Type

Model	Clear type	VDR-20 (20G)	VDR-25 (25G)	VDR-30 (30G)
	UV protection	VDR-20U (20UG)	VDR-25U (25UG)	VDR-30U (30UG)
<b>Internal volume (L / cu ft)</b>		6 / 0.2	10 / 0.4	20 / 0.7
<b>Vacuum</b>	Gauge range (Analog) (Mpa)	0 to -0.1	0 to -0.1	0 to -0.1
	Max. permissible vacuum (Body) (Mpa)	$1.33 \times 10^{-4}$ (1 Torr)	$1.33 \times 10^{-4}$ (1 Torr)	$1.33 \times 10^{-4}$ (1 Torr)
<b>Dimension</b>	Overall ( $\emptyset$ x H, mm / inch) <sup>1), 2)</sup>	252 x 279 (252 x 354) / 9.5 x 11 (9.5 x 13.9)	316 x 325 (316 x 400) / 12.1 x 12.8 (12.1 x 15.7)	403 x 399 (403 x 475) / 15.2 x 15.7 (15.2 x 18.7)
	Internal ( $\emptyset$ x H, mm / inch)	183 x 173 / 7.2 x 6.8	242 x 206 / 9.5 x 8.1	300 x 266 / 11.8 x 10.5
	Desiccant tray (W x D, mm / inch)	159 x 31 / 6.3 x 1.2	220 x 29 / 8.7 x 1.1	276 x 34 / 10.9 x 1.3
	Nozzle dia. (mm / inch)	9.5 / 0.37	9.5 / 0.37	9.5 / 0.37
	Net weight (kg / lbs) <sup>2)</sup>	1.5 (1.7) / 3.3 (3.7)	2.5 (2.6) / 5.5 (5.7)	4.2 (4.3) / 9.3 (9.5)
<b>Shelves</b>	Perforated shelf ( $\emptyset$ , mm / inch)	192 / 7.6	250 / 9.8	310 / 12.2
	Max. load per shelf (kg / lbs)	15 / 33.1	20 / 44.1	25 / 55.1
<b>Cat. No.</b>	<b>Clear type, without vacuum gauge</b>	<b>AAAD2011</b>	<b>AAAD2111</b>	<b>AAAD2211</b>
	<b>Clear type, with vacuum gauge (G type)</b>	<b>AAAD2021</b>	<b>AAAD2121</b>	<b>AAAD2221</b>
	<b>UV protection, without vacuum gauge (U type)</b>	<b>AAAD2031</b>	<b>AAAD2131</b>	<b>AAAD2231</b>
	<b>UV protection, with vacuum gauge (UG type)</b>	<b>AAAD2041</b>	<b>AAAD2141</b>	<b>AAAD2241</b>

1) The  $\emptyset$  values are without the 3-way valve. (When including the valve, the max. width is as follows: VDR-20: 286mm/11.3inch, VDR-25: 353mm/13.9inch, VDR-30: 427mm/16.8inch)

2) The figures within parentheses represent the value for the Vacuum Gauge-equipped models.

**Accessories** [Page 253](#) Desiccant Tray, Perforated Shelf, Vacuum Seal, 3-way Valve, Vacuum Gauge, Locker

### Cylinder Type

Model	Clear type	VDP-25G	VDP-30G
	UV protection	VDP-25UG	VDP-30UG
<b>Internal volume (L / cu ft)</b>		16 / 0.6	24.9 / 0.9
<b>Vacuum</b>	Gauge range (Analog) (Mpa)	0 to -0.1	0 to -0.1
	Max. permissible vacuum (Body) (Mpa)	$1.33 \times 10^{-4}$ (1 Torr)	$1.33 \times 10^{-4}$ (1 Torr)
<b>Dimension</b>	Internal ( $\emptyset$ x H, mm / inch)	244 x 318 / 9.6 x 12.5	305 x 322 / 12.0 x 12.7
	Overall ( $\emptyset$ x H, mm / inch)	308 x 449 / 12.1 x 17.7	387 x 459 / 15.2 x 18.1
	Nozzle dia. (mm / inch)	9.5 / 0.37	9.5 / 0.37
	Net weight (kg / lbs)	2.8 / 6.2	4.1 / 9.0
<b>Quantity of perforated shelves</b>		2 / 5 (or 3) <sup>1)</sup>	2 / 5 (or 3) <sup>1)</sup>
<b>Cat. No.</b>	<b>Clear type, with vacuum gauge (G type)</b>	<b>AAAD3111</b>	<b>AAAD3121</b>
	<b>UV protection, with vacuum gauge (UG type)</b>	<b>AAAD3311</b>	<b>AAAD3321</b>

1) Perforated shelves can be placed in a maximum of 5 (spacing 40mm / 1.6 inch) or 3 (spacing 70mm / 12.8 inch) depending on the stacking position.

**Accessories** [Page 253](#) Perforated Shelf, Vacuum Seal, 3-way Valve, Vacuum Gauge, Locker

※ From the model name, the last letter U means 'UV blocking', and the letter G means 'Vacuum Gauge'.

## Hygrometer and multi-level shelf structure for convenient dehumidified desiccator

### > Hygrometer included

Very convenient as equipped with a hygrometer to check the internal humidity at the front.

### > Height-adjustable drawer

Height of drawer can be adjusted according to the shape and size of stored material.

### > Transparent observation environment

Highly transparent, shatterproof, non-corrosive, and easy to clean polycarbonate construction.

### > UV blocking model

UV blocking model provided for vacuum storage of light-sensitive samples.

### > Desiccant Tray

Includes a dedicated tray made of PP as standard that the user can conveniently place a desiccant in.



SDC-45



Easy humidity check with front mounted hygrometer.



Drawer provided as standard for the convenient storage of the back inside.



Stable multi-level loading allows for efficient utilization of space.



Minimizing damages or discoloration of light-sensitive samples. (-U model)

## Specification

Model	Clear type	SDC-30 <sup>1)</sup>	SDC-45 <sup>1)</sup>
	UV protection type	SDC-30U <sup>1)</sup>	SDC-45U <sup>1)</sup>
Internal volume (L / cu ft)		35 / 1.2	50 / 1.8
Dimension	Internal (W x D x H, mm / inch)	322 x 367 x 302 / 12.7 x 14.4 x 11.9	322 x 367 x 422 / 12.7 x 14.4 x 16.6
	Overall (W x D x H, mm / inch)	360 x 410 x 326 / 14.1 x 16.1 x 12.8	360 x 410 x 447 / 14.1 x 16.1 x 17.6
	Drawer (W x D x H, mm / inch)	279 x 346 x 45 / 11.0 x 13.6 x 1.8	279 x 346 x 45 / 11.0 x 13.6 x 1.8
	Desiccant tray (W x D x H, mm / inch)	218 x 268 x 26 / 8.6 x 10.6 x 1.0	218 x 268 x 26 / 8.6 x 10.6 x 1.0
	Net weight (kg / lbs)	4.9 / 10.8	6.2 / 13.7
Drawers	Quantity (Standard / Max.)	2 / 4	3 / 6
	Max. load per drawer (kg / lbs)	5 / 11.0	5 / 11.0
Cat. No.	Clear type	AAAD5011	AAAD5021
	UV protection type	AAAD5111	AAAD5121

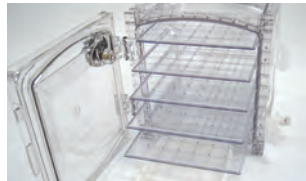
1) The deviation of the fitted hygrometers will be between 10 and 20%. The measuring of accurate humidity percentage should be needed a extra equipment.

# Accessories for Desiccator

## Product Configuration



Desiccant Tray



Perforated Shelf (VDC)



Perforated Shelf (VDP)



Vacuum Seal



Locker



3-way Valve (VDR)



3-way Valve (VDC)



Vacuum Gauge

Product	Cat. No.	VDC				VDR			VDP		SDC	
		VDC-11	VDC-21	VDC-31	VDC-41	VDR-20	VDR-25	VDR-30	VDP-25	VDP-30	SDC-30	SDC-45
Desiccant tray	00VDC0000037	●	-	-	-	-	-	-	-	-	-	-
	00VDC0000005	-	●	●	●	-	-	-	-	-	●	●
	AAAD1501	-	-	-	-	●	-	-	●	-	-	-
	AAAD1502	-	-	-	-	-	●	-	-	●	-	-
	AAAD1503	-	-	-	-	-	-	●	-	-	-	-
Perforated shelf	00VDC0000035	●	-	-	-	-	-	-	-	-	-	-
	00VDC0000003	-	●	●	●	-	-	-	-	-	-	-
	AAAD1511	-	-	-	-	●	-	-	-	-	-	-
	AAAD1512	-	-	-	-	-	●	-	-	-	-	-
	AAAD1513	-	-	-	-	-	-	●	-	-	-	-
	AAAD3511	-	-	-	-	-	-	-	●	-	-	-
	AAAD3512	-	-	-	-	-	-	-	-	●	-	-
Drawer	AAAD5521	-	-	-	-	-	-	-	-	-	●	●
Vacuum seal	00VDC0000032	●	-	-	-	-	-	-	-	-	-	-
	00VDC0000033	-	●	-	-	-	-	-	-	-	-	-
	00VDC0000015	-	-	●	-	-	-	-	-	-	-	-
	00VDC0000034	-	-	-	●	-	-	-	-	-	-	-
	00VDR0000001	-	-	-	-	●	-	-	-	-	-	-
	00VDR0000002	-	-	-	-	-	●	-	●	-	-	-
	00VDR0000055	-	-	-	-	-	-	●	-	●	-	-
Locker	00VDR0000015	-	-	-	-	●	-	-	-	-	-	-
	00VDR0000016	-	-	-	-	-	●	-	●	-	-	-
	00VDR0000017	-	-	-	-	-	-	●	-	●	-	-
3-way valve	AAAD4501	●	●	●	●	-	-	-	-	-	-	-
	AAAD1521	-	-	-	-	●	●	●	-	-	-	-
	AAAD3501	-	-	-	-	-	-	-	●	●	-	-
Vacuum Gauge	00EDA0004301	●	●	●	●	-	-	-	-	-	-	-
	00EDA0004302	-	-	-	-	●	●	●	●	●	-	-

※ This table provides product information for additional installation or replacement of components included in the product

## Accessory

Cat. No.	Product Name	Description
BEA00078603	Silicagel (1kg)	Desiccant to remove moisture

