



Protect your samples from moisture

Lab Companion Desiccator & Auto Dry Cabinet



About Us

Vacuum Desiccator

Cubic type



Optimum choice for dehumidification in vacuum state



Cubic type: VDC-11/21/31/41

> 1 Torr, maintained for 72 hours

Maximum vacuum of 1 Torr (1.33×10^{-4} Mpa) for more than 72 hours.

> Solid integral structure

Made of integral mold to minimize leakage and there is no warping even in repeated high vacuum conditions.

> Transparent observation environment

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



Useful 3-way valve

Convenient and useful valve structure for vacuum formation, remove and gas substitution replacement.



Multi-level stacking

Stable multi-level loading to maximize space efficiency.



Height-adjustable shelves (VDC series)

Height-adjustable shelf structure for convenient loading of various samples.



UV blocking model (-U model)

Vacuum storage of light-sensitive samples. (RoHS except for -U model)

Model	Clear type	VDC-11	VDC-21	VDC-31	VDC-41
	UV protection	VDC-11U	VDC-21U	VDC-31U	VDC-41U
Internal volume (L / cu ft)		11 / 0.4	23 / 0.8	35 / 1.2	45 / 1.6
Vacuum	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)	1.33×10^{-4} (1 Torr)	1.33×10^{-4} (1 Torr)	1.33×10^{-4} (1 Torr)	1.33×10^{-4} (1 Torr)
Dimension	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
Shelves	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
Cat. No.	Clear type	AAAD4001	AAAD4021	AAAD4011	AAAD4031
	UV protection	AAAD4101	AAAD4121	AAAD4111	AAAD4131

Vacuum Desiccator

Round type



> 1 Torr, maintained for 72 hours

Maximum vacuum of 1 Torr (1.33×10^{-4} Mpa) for more than 72 hours.

> Solid integral structure

Made of integral mold to minimize leakage and there is no warping even in repeated high vacuum conditions.

> Transparent observation environment

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



Useful 3-way valve

Convenient and useful valve structure for vacuum formation, remove and gas substitution replacement.



Vacuum gauge (-G/-UG Model)

Easy to check the degree of vacuum due to the vacuum gauge on the top.



Locker

Conveniently and safely fixed at normal pressure when used or transported.



UV blocking model (-U model)

Vacuum storage of light-sensitive samples. (RoHS except for -U model)

Model ¹⁾	Clear type	VDR-20 (20G)	VDR-25 (25G)	VDR-30 (30G)
	UV protection	VDR-20U (20UG)	VDR-25U (25UG)	VDR-30U (30UG)
Internal volume (L / cu ft)		6 / 0.2	10 / 0.4	20 / 0.7
Vacuum	Gauge range (Analog) (Mpa)	0 to -0.1	0 to -0.1	0 to -0.1
	Max. permissible vacuum (Body) (Mpa)	1.33×10^{-4} (1 Torr)	1.33×10^{-4} (1 Torr)	1.33×10^{-4} (1 Torr)
Dimension	Overall (Ø x H, mm / inch) ^{2), 3)}	252 x 279 (252 x 354) / 9.9 x 11 (9.9 x 13.9)	316 x 325 (316 x 400) / 12.4 x 12.8 (12.4 x 15.7)	403 x 399 (403 x 475) / 15.9 x 15.7 (15.9 x 18.7)
	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) ³⁾	1.5 (1.7) / 3.3 (3.7)	2.5 (2.6) / 5.5 (5.7)	4.2 (4.3) / 9.3 (9.5)
Shelves	Perforated shelf (Ø, 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
Cat. No.	Clear type, without vacuum gauge	AAAD2011	AAAD2111	AAAD2211
	Clear type, with vacuum gauge (G type)	AAAD2021	AAAD2121	AAAD2221
	UV protection, without vacuum gauge (U type)	AAAD2031	AAAD2131	AAAD2231
	UV protection, with vacuum gauge (UG type)	AAAD2041	AAAD2141	AAAD2241

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

2) The Ø 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)

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

Vacuum Desiccator

Cylinder type



VDP-30G



VDP-30UG



> 1 Torr, maintained for 72 hours

Maximum vacuum of 1 Torr (1.33×10^{-4} Mpa) for more than 72 hours.

> Solid integral structure

Made of integral mold to minimize leakage and there is no warping even in repeated high vacuum conditions.

> Transparent observation environment

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



Useful 3-way valve

Convenient and useful valve structure for vacuum formation, remove and gas substitution replacement.



Height-adjustable shelf (2 level¹⁾)

Stable multi-level loading to maximize space efficiency.



Locker

Conveniently and safely fixed at normal pressure when used or transported.



UV blocking model (-U model)

Vacuum storage of light-sensitive samples. (RoHS except for -U model)

Model ²⁾	Clear type	VDP-25G	VDP-30G
	UV protection	VDP-25UG	VDP-30UG
Internal volume (L / cu ft)		16 / 0.6	24.9 / 0.9
Vacuum	Gauge range (Analog) (Mpa)	0 to -0.1	0 to -0.1
	Max. permissible vacuum (Body) (Mpa)	1.33×10^{-4} (1 Torr)	1.33×10^{-4} (1 Torr)
Dimension	Internal (Ø x H, mm / inch)	244 x 318 / 9.6 x 12.5	305 x 322 / 12.0 x 12.7
	Overall (Ø 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
Quantity of perforated shelves		2/5 (or 3) ¹⁾	2/5 (or 3) ¹⁾
Cat. No.	Clear type, with vacuum gauge (G type)	AAAD3111	AAAD3121
	UV protection, with vacuum gauge (UG type)	AAAD3311	AAAD3321

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.

2) 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

> Solid integral structure

Made of integral mold to minimize leakage and exceptional durability

> Height-adjustable drawer

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

> Multi-stackable

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

> Transparent observation environment

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

> Hygrometer included

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

> Desiccant Tray

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



SDC-45



Easy humidity check with front mounted hygrometer.

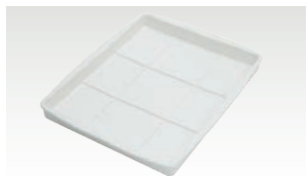


Minimizing damages or discoloration of light-sensitive samples. (-U model)

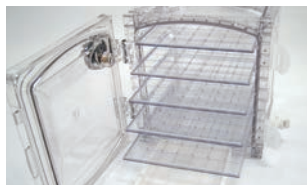
Model	Clear type	SDC-30	SDC-45
	UV protection type	SDC-30U	SDC-45U
Internal volume (L / cu ft)		35 / 1.2	50 / 1.8
Dimension	Internal (W x D x H, mm / inch)	322 x 367 x 302 / 12.7 x 14.4 x 11.9	322 x 367 x 422 / 12.7 x 14.4 x 16.6
	Overall (W x D x H, mm / inch)	360 x 410 x 326 / 14.1 x 16.1 x 12.8	360 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

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

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	-	-	-	-	-	●	-	●	-	-	-
Locker	00VDR0000055	-	-	-	-	-	-	●	-	●	-	-
	00VDR0000015	-	-	-	-	●	-	-	-	-	-	-
	00VDR0000016	-	-	-	-	-	●	-	●	-	-	-
3-way valve	00VDR0000017	-	-	-	-	-	-	●	-	●	-	-
	AAAD4501	●	●	●	●	-	-	-	-	-	-	-
	AAAD1521	-	-	-	-	●	●	●	-	-	-	-
Vacuum Gauge	AAAD3501	-	-	-	-	-	-	-	●	●	-	-
	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



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.

> Efficient two-level loading structure

It is possible to fix the feet of the product on the upper part of the product, making 2-level loading possible.
(applicable models: DC2-11)

> Anti static model

Anti-Static protection via special paint the exterior
(DC2-11A/21LA/41A)



Current
temperature
value

Current
humidity
value

Humidity
setting



Efficient two-level loading structure (DC2-11)



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.



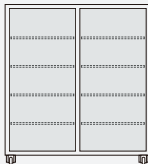
Easy to move and install

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

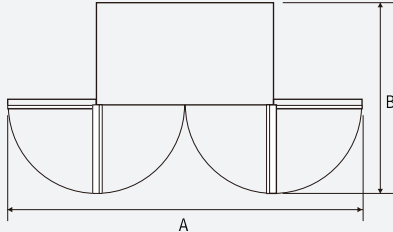


Door lock

Key lock is provided as standard to block unauthorized access.

Model		DC2-11(A) ³⁾	DC2-21L(A) ³⁾	DC2-41(A) ³⁾
Control range ^{1), 2)}		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 970 / 18.5 x 20.9 x 38.2	1015 x 530 x 1120 / 40.0 x 20.9 x 38.2
Exterior dimensions (W x D x H, mm / inch)		555 x 715 x 650 / 21.8 x 28.1 x 25.5	555 x 715 x 1195 / 21.8 x 28.1 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	2
Cat. No.	Basic	AAHF70125K	AAHF70225K	AAHF70425K
	Anti-electricity	AAHF70135K	AAHF70235K	AAHF70435K
Product appearance				
Product interior				

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



- 1) Internal humidity may temporarily increase when the dehumidifying element of the dehumidifying 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.

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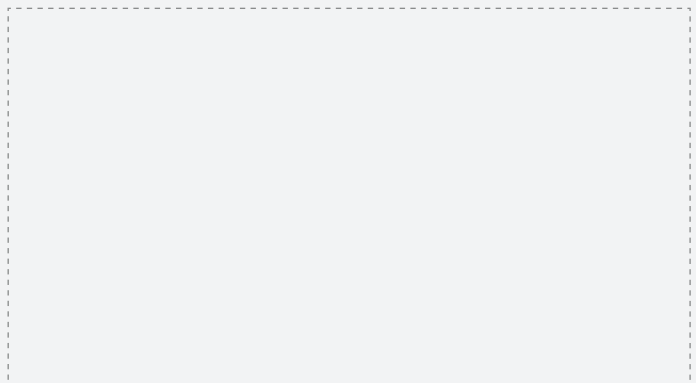
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