

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 (option)



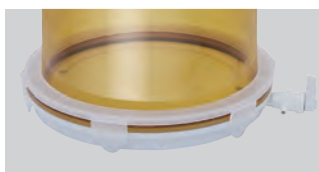
Useful 3-way valve
Convenient and useful valve structure for vacuum formation, remove and gas substitution replacement.



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
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

Accessories [Page 233](#) 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)
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)	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 (Ø 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	159 x 31	220 x 29	276 x 34
	Nozzle dia.	9.5 / 0.37	9.5 / 0.37	9.5 / 0.37
	Net weight (kg / lbs)	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

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Cylinder Type

Model	Clear type	VDP-25 (25G)	VDP-30 (30G)
	UV protection	VDP-25U (25UG)	VDP-30U (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 374 (308 x 449) / 12.1 x 14.7 (12.1 x 17.7)	387 x 384 (387 x 459) / 15.2 x 15.1 (15.2 x 18.1)
	Nozzle dia. (mm / inch)	9.5 / 0.37	9.5 / 0.37
	Net weight (kg / lbs)	2.7 (2.8) / 5.9 (6.2)	4.0 (4.1) / 8.8 (9.0)
Quantity of perforated shelves		2 / 5 (or 3) ¹⁾	2 / 5 (or 3) ¹⁾
Cat. No.	Clear type, without vacuum gauge	AAAD3011	AAAD3021
	Clear type, with vacuum gauge (G type)	AAAD3111	AAAD3121
	UV protection, without vacuum gauge (U type)	AAAD3211	AAAD3221
	UV protection, with vacuum gauge (UG type)	AAAD3311	AAAD3321

* The last letter G in model names means that the model has a vacuum gauge.

* The last letter U in model names means that it is a UV blocking model.

1) Perforated shelves can be placed 5 shelves (40mm spacing) or 3 shelves (70mm spacing) in max depends on stacking position.

Accessories [Page 233](#) Perforated Shelf, Vacuum Seal, 3-way Valve, Vacuum Gauge, Locker

Hygrometer and multi-level shelf structure for convenient dehumidified desiccator

> Hygrometer included

Very convenient as equipped with a hygrometer to check the internal humidity from the front. (Reference type)

> 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 ¹⁾	SDC-45 ¹⁾
	UV protection type	SDC-30U ¹⁾	SDC-45U ¹⁾
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
	Shelf (W x D x H, mm / inch)	279 x 354 x 3 / 11.0 x 13.9 x 0.1	279 x 354 x 3 / 11.0 x 13.9 x 0.1
	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	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

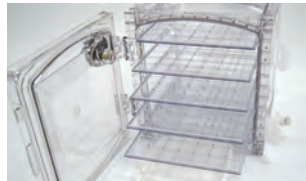
1) The deviation of the fitted hygrometers will be between 10 and 20%. The measuring of accurate humidity percentage should be needed a extra equipment.

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	-	-	-	-	-	-	-	-	●	-	-
	AAAD5531	-	-	-	-	-	-	-	-	-	●	●
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

