

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)



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



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



Useful 3-way valve

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



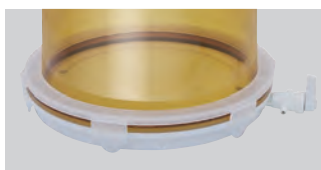
Multi-level stacking (VDC series)

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 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)
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) ^{1), 2)}	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 (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) ²⁾	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) 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)

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
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

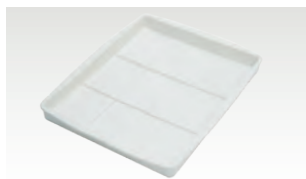
1) Perforated shelves can be placed in a maximum of 5 (spacing 40mm / 1.6 inch) or 3 (spacing 70mm / 12.8 inch) depending on the stacking position.

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

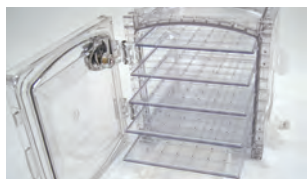
※ From the model name, the last letter U means 'UV blocking', and the letter G means 'Vacuum Gauge'.

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

