

Straight Type



Product Code Table

Model	Size	Operation	Valve Shape	Connection	Seat Material	Options	Grade + Body Material
KD	4	M	S	VF	C	RD	EP-316L
KD-type diaphragm valve	2:1/8" 4:1/4" 6:3/8" 8:1/2" 12:3/4"	270° manual	S: Straight A: Angle L: L-shape	V: CVC male VF: CVC female S: Compression W: Butt weld	C: PCTFE A: PFA P: PI M: Metal (body material) *1	Not shown: Blue (standard) RD: Red GR: Green SL: Silver YE: Yellow BR: Brown BK: Black WH: White PK: Pink YG: Yellow-green OR: Orange PU: Purple	STD-316L : Mechanical Polished+SUS316L EP-316L : Electro Polished+316L SEP-316L : Electro Polished+316LE *2

*1 For a metal seat, we can handle only 1/8" and 1/4" sizes. For details please ask to the sales representative.

*2 SEP-316LE: 1/8", 1/4", 3/8", 1/2" are available

Dimensions

Unit: inch (mm)

Model	Type	Connection	L	L ₁ *	H	H ₁	H ₂	A	B	C	M	M ₁	M ₂
	KD2MS-VC	1/8" CVC Male	1.61 (41.0)	-	2.24 (57.0)	0.28 (7.0)	0.85 (21.5)	0.94 (24.0)	0.75 (19.0)	0.75 (19.0)	0.67 (17.0)	2-M4 Depth 0.20 (5.0)	M14×1.0
	KD4MS-VC	1/4" CVC Male	2.24 (57.0)	-	2.68 (68.0)	0.43 (11.0)	1.06 (27.0)	1.65 (42.0)	1.02 (26.0)	0.98 (25.0)	1.00 (25.4)	2-M5 Depth 0.20 (5.0)	M20×1.0
	KD8MS-VC	1/2" CVC Male	3.03 (77.0)	-	3.19 (81.0)	0.63 (16.0)	1.42 (36.0)	1.65 (42.0)	1.42 (36.0)	1.42 (36.0)	1.10 (28.0)	2-M5 Depth 0.20 (5.0)	M20×1.0
	KD12MS-VC	3/4" CVC Male	4.21 (107.0)	-	3.86 (98.0)	0.91 (23.0)	-	1.65 (42.0)	1.89 (48.0)	1.81 (46.0)	1.38 (35.0)	2-M5 Depth 0.31 (8.0)	-
	KD2MS-VFC	1/8" CVC Female	2.20 (56.0)	-	2.24 (57.0)	0.28 (7.0)	0.85 (21.5)	0.94 (24.0)	0.75 (19.0)	0.75 (19.0)	0.67 (17.0)	2-M4 Depth 0.20 (5.0)	M14×1.0
	KD4MS-VFC	1/4" CVC Female	2.78 (70.6)	-	2.68 (68.0)	0.43 (11.0)	1.06 (27.0)	1.65 (42.0)	1.02 (26.0)	0.98 (25.0)	1.00 (25.4)	2-M5 Depth 0.20 (5.0)	M20×1.0
	KD8MS-VFC	1/2" CVC Female	3.27 (83.0)	-	3.19 (81.0)	0.63 (16.0)	1.42 (36.0)	1.65 (42.0)	1.42 (36.0)	1.42 (36.0)	1.10 (28.0)	2-M5 Depth 0.20 (5.0)	M20×1.0
	KD12MS-VFC	3/4" CVC Female	7.06 (179.2)	-	3.86 (98.0)	0.91 (23.0)	-	1.65 (42.0)	1.89 (48.0)	1.81 (46.0)	1.38 (35.0)	2-M5 Depth 0.31 (8.0)	-
	KD2MS-SC	1/8" Compression Fitting	3.06 (77.8)	0.24 (6.1)	2.24 (57.0)	0.28 (7.0)	0.85 (21.5)	0.94 (24.0)	0.75 (19.0)	0.75 (19.0)	0.67 (17.0)	2-M4 Depth 0.20 (5.0)	M14×1.0
	KD4MS-SC	1/4" Compression Fitting	1.89 (48.0)	0.31 (7.9)	2.68 (68.0)	0.43 (11.0)	1.06 (27.0)	1.65 (42.0)	1.02 (26.0)	0.98 (25.0)	1.00 (25.4)	2-M5 Depth 0.20 (5.0)	M20×1.0
	KD6MS-SC	3/8" Compression Fitting	2.52 (64.0)	0.37 (9.5)	3.19 (81.0)	0.63 (16.0)	1.42 (36.0)	1.65 (42.0)	1.42 (36.0)	1.42 (36.0)	1.10 (28.0)	2-M5 Depth 5 0.20 (5.0)	M20×1.0
	KD8MS-SC	1/2" Compression Fitting	2.52 (64.0)	0.50 (12.7)	3.19 (81.0)	0.63 (16.0)	1.42 (36.0)	1.65 (42.0)	1.42 (36.0)	1.42 (36.0)	1.10 (28.0)	2-M5 Depth 0.20 (5.0)	M20×1.0
	KD12MS-SC	3/4" Compression Fitting	4.96 (126.0)	0.56 (14.3)	3.86 (98.0)	0.91 (23.0)	-	1.65 (42.0)	1.89 (48.0)	1.81 (46.0)	1.38 (35.0)	2-M5 Depth 0.31 (8.0)	-
	KD2MS-WC	1/8" Butt Weld	1.65 (42.0)	-	2.24 (57.0)	0.28 (7.0)	0.85 (21.5)	0.94 (24.0)	0.75 (19.0)	0.75 (19.0)	0.67 (17.0)	2-M4 Depth 0.20 (5.0)	M14×1.0
	KD4MS-WC	1/4" Butt Weld	2.13 (54.0)	-	2.68 (68.0)	0.43 (11.0)	1.06 (27.0)	1.65 (42.0)	1.02 (26.0)	0.98 (25.0)	1.00 (25.4)	2-M5 Depth 0.20 (5.0)	M20×1.0
	KD6MS-WC	3/8" Butt Weld	2.72 (69.0)	-	3.19 (81.0)	0.63 (16.0)	1.42 (36.0)	1.65 (42.0)	1.42 (36.0)	1.42 (36.0)	1.10 (28.0)	2-M5 Depth 0.20 (5.0)	M20×1.0
	KD8MS-WC	1/2" Butt Weld	2.72 (69.0)	-	3.19 (81.0)	0.63 (16.0)	1.42 (36.0)	1.65 (42.0)	1.42 (36.0)	1.42 (36.0)	1.10 (28.0)	2-M5 Depth 0.20 (5.0)	M20×1.0
	KD12MS-WC	3/4" Butt Weld	6.14 (156.0)	-	3.86 (98.0)	0.91 (23.0)	-	1.65 (42.0)	1.89 (48.0)	1.81 (46.0)	1.38 (35.0)	2-M5 Depth 0.31 (8.0)	-

* L₁ dimension for compression fitting is the dimension of how far tube inserted from end of body.

Handle Color

