

Gemini Valve B.V.

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WDSRVSS



Component Material

Body Carbon Steel / Alloy Steel / Stainless Steel

Spring Alloy Steel

Seat / Seal PTFE (Teflon)



Rating Table

Model D

Orifice Area/Diameter 0.710cm²/9.5mm

Type	Size (inch)	Inlet × Orifice × Outlet	Inlet Class	Outlet Class	Max Set Pressure (MPa) @ -29~38 °C	Max Set Pressure (MPa) @ 38~232 °C	Max Set Pressure (MPa) @ 232~427 °C	Back Pressure Limit @ 38 °C (MPa)	Spring Back Pressure (MPa)
01 (150)	1"	1D2	150	150	1.96	1.27	0.55	1.96	1.58
03 (300)	1"	1D2	300	150	1.96	1.96	1.96	1.96	1.58
03a (300a)	1"	1D2	300	150	5.10	4.24	2.82	1.96	1.58
06 (600)	1"	1D2	600	150	10.20	8.51	5.68	1.96	1.58
09 (900)	1½"	1½D2	900	300	15.30	12.72	8.51	4.13	3.45
15 (1500)	1½"	1½D2	1500	300	25.54	21.23	14.20	4.13	3.45
25 (2500)	1½"	1½D3	2500	300	41.37	35.40	23.65	5.10	3.45

Model E

Orifice Area/Diameter 1.265cm²/12.7mm

Type	Size (inch)	Inlet × Orifice × Outlet	Inlet Class	Outlet Class	Max Set Pressure (MPa) @ -29~38 °C	Max Set Pressure (MPa) @ 38~232 °C	Max Set Pressure (MPa) @ 232~427 °C	Back Pressure Limit @ 38 °C (MPa)	Spring Back Pressure (MPa)
01 (150)	1"	1E2	150	150	1.96	1.27	0.55	1.96	1.58
03 (300)	1"	1E2	300	150	1.96	1.96	1.96	1.96	1.58
03a (300a)	1"	1E2	300	150	5.10	4.24	2.82	1.96	1.58
06 (600)	1"	1E2	600	150	10.20	8.51	5.68	1.96	1.58
09 (900)	1½"	1½E2	900	300	15.30	12.72	8.51	4.13	3.45
15 (1500)	1½"	1½E2	1500	300	25.54	21.23	14.20	4.13	3.45
25 (2500)	1½"	1½E3	2500	300	41.37	35.40	23.65	5.10	3.45

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Model F

Orifice Aread/Diameter 1.981cm2/16mm

Type	Size (inch)	Inlet × Orifice × Outlet	Inlet Class	Outlet Class	Max Set Pressure (MPa) @ -29~38 °C	Max Set Pressure (MPa) @ 38~232 °C	Max Set Pressure (MPa) @ 232~427 °C	Back Pressure Limit @ 38 °C (MPa)	Spring Back Pressure (MPa)
01 (150)	1"	1½F2	150	150	1.96	1.27	0.55	1.96	1.58
03 (300)	1"	1½F2	300	150	1.96	1.96	1.96	1.96	1.58
03a (300a)	1"	1½F2	300	150	5.10	4.24	2.82	1.96	1.58
06 (600)	1"	1½F2	600	150	10.20	8.51	5.68	1.96	1.58
09 (900)	1½"	1½F3	900	300	15.30	12.72	8.51	5.10	3.45
15 (1500)	1½"	1½F3	1500	300	25.54	21.23	14.20	5.10	3.45
25 (2500)	1½"	1½F3	2500	300	34.47	34.47	23.65	5.10	3.45
09 (900)*	1½"	1½F2½	900	300	15.30	12.72	8.51	5.10	3.45
15 (1500)*	1½"	1½F2½	1500	300	25.54	21.23	14.20	5.10	3.45

Model G

Orifice Aread.!Diameter 1.981cm2/16mm

Type	Size (inch)	Inlet × Orifice × Outlet	Inlet Class	Outlet Class	Max Set Pressure (MPa) @ -29~38 °C	Max Set Pressure (MPa) @ 38~232 °C	Max Set Pressure (MPa) @ 232~427 °C	Back Pressure Limit @ 38 °C (MPa)	Spring Back Pressure (MPa)
01 (150)	1"	1½G3	150	150	1.96	1.27	0.55	1.96	1.58
03 (300)	1"	1½G3	300	150	1.96	1.96	1.96	1.96	1.58
03a (300a)	1"	1½G3	300	150	5.10	4.24	2.82	1.96	1.58
06 (600)	1"	1½G3	600	150	10.20	8.51	5.68	1.96	1.58
09 (900)	1"	1½G3	900	300	15.30	12.72	8.51	5.10	3.24
15 (1500)	2"	2G3	1500	300	25.54	21.23	14.20	5.10	3.24
25 (2500)	2"	2G3	2500	300	25.54	25.54	23.65	5.10	3.24
01 (150)*	1"	1½G2½	150	150	1.96	1.27	0.55	1.96	1.58
03 (300)*	1"	1½G2½	300	150	1.96	1.96	1.96	1.96	1.58
03a (300a)*	1"	1½G2½	300	150	5.10	4.24	2.82	1.96	1.58
06 (600)*	1"	1½G2½	600	150	10.20	8.51	5.68	1.96	1.58
09 (900)*	1"	1½G2½	900	300	15.30	12.72	8.51	5.10	3.24

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Dimension table

Column	English Label	Notes
Type	Valve Type	Model / pressure class
L	Center to Face – Outlet	Outlet face-to-center distance
L1	Center to Face – Inlet	Inlet face-to-center distance
b	Total Thickness of Flange and Nozzle	Combined thickness
A / C / D	Approximate Height (H) by Cap Type	Different cap styles
Approx. Weight	Approximate Weight – Cap Type B	kg

Model D and Model E

Type	L (Outlet)	L1 (Inlet)	b	A	C	D	Approx. Weight (kg)
01 (150)	115	105	40	350	380	380	15
03 (300)	115	105	40	350	380	380	15
03a (300a)	115	105	40	350	380	380	16
06 (600)	115	105	40	350	380	380	16
09 (900)	140	105	51	460	480	500	28
15 (1500)	140	105	51	460	480	500	30
25 (2500)	178	140	64	490	520	540	32

Model F

Type	L (Outlet)	L1 (Inlet)	b	A	C	D	Approx. Weight (kg)
01 (150)	121	124	44	350	380	380	22
03 (300)	121	124	44	350	380	380	22
03a (300a)	152	124	44	350	380	380	24
06 (600)	152	124	44	350	380	380	28
09 (900)	165	124	51	460	480	500	32
15 (1500)	165	124	51	460	480	500	34
25 (2500)	178	140	64	490	480	500	38
09 (900)*	152	124	51	470	500	520	32
15 (1500)*	152	124	51	420	500	520	34

Model G

Type	L	L1	b	A	C	D	Approx. Weight (kg)
01 (150)	121	124	44	460	480	500	24

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Type	L	L1	b	A	C	D	Approx. Weight (kg)
03 (300)	121	124	44	460	480	500	24
03a (300a)	152	124	44	460	480	500	30
06 (600)	152	124	44	460	480	500	30
09 (900)	165	124	51	460	480	500	34
15 (1500)	171	156	70	710	740	755	58
25 (2500)	171	156	70	710	740	755	62
01 (150)*	121	124	44	470	490	520	28
03 (300)*	121	124	44	470	490	520	28
03a (300a)*	152	124	44	470	490	520	30
06 (600)*	152	124	44	480	500	530	34
09 (900)*	152	124	51	480	500	530	34

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