

Ultra High Pressure Valves

» Pressures to 101,000 psi (7,000 bar)



Ordering Information
Typical catalog number:
101V5U071

Temperature Ranges

Standard valves are supplied with Teflon/Carbon packing and may be operated to 450°F (230°C). Consult Maximator for higher temperature packing ratings.

O.D. Size in. (mm)	Connec- tion Type	Orifice Size in. (mm)	Rated Cv*	Pressure Rating @ R.T. psi (bar)**
1/4 (6.35)	4UF	0.062 (1.6)	0.09	101,000 (7,000)
5/16 (7.94)	5UF	0.062 (1.6)	0.09	101,000 (7,000)
3/8 (9.53)	6UF	0.062 (1.6)	0.09	101,000 (7,000)
9/16 (14.29)	9UF	0.062 (1.6)	0.09	101,000 (7,000)

* Cv values shown are for 2-way straight pattern vee stem valves. For 2-way angle patterns, increase the Cv value by 50%.

** See page 2 in the Technical Section for Pressure/Temperature Rating Chart.

101 V Valve Series	5U O.D. Tube Size	07 Stem Type	1 Body Pattern
101 V	4U – 1/4"	07 – VEE stem	1 – two-way straight
	5U – 5/16"		2 – two-way angle
	6U – 3/8"		3 – three-way, two on pressure
	9U – 9/16"		

Valve Pattern	Catalog Number	Stem Type	O.D. Tube in.	Orifice in. (mm)	Dimensions in. (mm)										Valve Panel Hole	Block Thickness
					A	B	C	D	E	F	H	I	J	K		
2-Way Straight																
	101V4U071	Vee	1/4	0.062 (1.6)	5.34 (135.5)	2.24 (57)	1.75 (44.5)	0.34 (8.5)	0.51 (13)	2.28 (58)	3.94 (100)		3.03 (77)	1.44 (36.5)	1.00 (25.4)	1.26 (32)
	101V5U071	Vee	5/16	0.062 (1.6)	5.34 (135.5)	2.24 (57)	1.75 (44.5)	0.34 (8.5)	0.51 (13)	2.28 (58)	3.94 (100)		3.03 (77)	1.44 (36.5)	1.00 (25.4)	1.26 (32)
	101V6U071	Vee	3/8	0.062 (1.6)	5.34 (135.5)	2.24 (57)	1.75 (44.5)	0.34 (8.5)	0.51 (13)	2.28 (58)	3.94 (100)		3.03 (77)	1.44 (36.5)	1.00 (25.4)	1.26 (32)
	101V9U071	Vee	9/16	0.062 (1.6)	5.72 (145.3)	2.64 (67)	1.79 (45.5)	0.34 (8.5)	0.51 (13)	1.77 (45)	3.94 (100)		2.64 (67)	1.40 (35.5)	1.00 (25.4)	1.54 (39)

G - Panel mounting screw thread size 10-24 UNC (screw included). All dimensions are for reference only and are subject to change.

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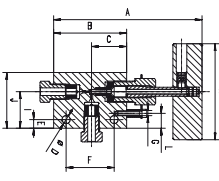
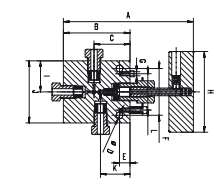
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Valve Pattern	Catalog Number	Stem Type	O.D. Tube in.	Orifice in. (mm)	Dimensions in. (mm)											Valve Panel Hole	Block Thickness
					A	B	C	D	E	F	H	I	J	K	L		
2-Way Angle																	
	101V4U072	Vee	1/4	0.062 (1.6)	6.12 (155.5)	3.03 (77)	1.44 (36.5)	0.34 (8.5)	0.35 (9)	1.97 (50)	3.94 (100)	1.50 (38)	2.28 (58)	0.61 (15.5)	1.00 (25.4)	1.26 (32)	
	101V5U072	Vee	5/16	0.062 (1.6)	6.12 (155.5)	3.03 (77)	1.44 (36.5)	0.34 (8.5)	0.35 (9)	1.97 (50)	3.94 (100)	1.50 (38)	2.28 (58)	0.61 (15.5)	1.00 (25.4)	1.26 (32)	
	101V6U072	Vee	3/8	0.062 (1.6)	6.12 (155.5)	3.03 (77)	1.44 (36.5)	0.34 (8.5)	0.35 (9)	1.97 (50)	3.94 (100)	1.50 (38)	2.28 (58)	0.61 (15.5)	1.00 (25.4)	1.26 (32)	
	101V9U072	Vee	9/16	0.062 (1.6)	6.05 (153.5)	2.95 (75)	1.40 (35.5)	0.34 (8.5)	0.51 (13)	1.77 (45)	3.94 (100)	1.32 (33.5)	2.64 (67)		1.00 (25.4)	1.54 (39)	
3-Way / 2 on Pressure																	
	101V4U073	Vee	1/4	0.062 (1.6)	6.34 (161)	3.25 (82.5)	1.75 (44.5)	0.34 (8.5)	0.51 (13)	2.28 (58)	3.94 (100)	1.52 (38.5)	3.03 (77)	1.44 (36.5)	1.77 (45)	1.00 (25.4)	1.26 (32)
	101V5U073	Vee	5/16	0.062 (1.6)	6.34 (161)	3.25 (82.5)	1.75 (44.5)	0.34 (8.5)	0.51 (13)	2.28 (58)	3.94 (100)	1.52 (38.5)	3.03 (77)	1.44 (36.5)	1.77 (45)	1.00 (25.4)	1.26 (32)
	101V6U073	Vee	3/8	0.062 (1.6)	6.34 (161)	3.25 (82.5)	1.75 (44.5)	0.34 (8.5)	0.51 (13)	2.28 (58)	3.94 (100)	1.52 (38.5)	3.03 (77)	1.44 (36.5)	1.77 (45)	1.00 (25.4)	1.26 (32)
	101V9U073	Vee	9/16	0.062 (1.6)	6.36 (161.5)	3.25 (82.5)	1.81 (46)	0.34 (8.5)	0.51 (13)	1.77 (45)	3.94 (100)	1.32 (33.5)	2.64 (67)	1.40 (35.5)	1.00 (25.4)	1.54 (39)	

G - Panel mounting screw thread size 10-24 UNC (screw included). All dimensions are for reference only and are subject to change.