

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.

Products for Sour Gas Applications
Pipe Valves & Fittings
to 15,200 psi (1,050 bar)

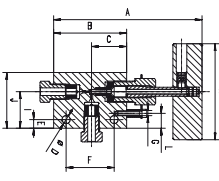
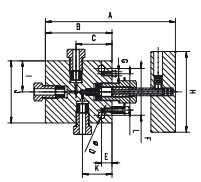
Adapters and Couplings
Medium Pressure
to 22,500 psi (1,550 bar)

Accessories
High Pressure
to 65,000 psi (4,500 bar)

Tools
Ultra High Pressure
to 152,000 psi (10,500 bar)

Technical Information
Valve Actuators

Customized Solutions
Ball Valves
to 21,000 psi (1,500 bar)

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.