

# MAXIMATOR®

## Ultra High Pressure Valves

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



### Ordering Information

Typical catalog number: **101V5U071**

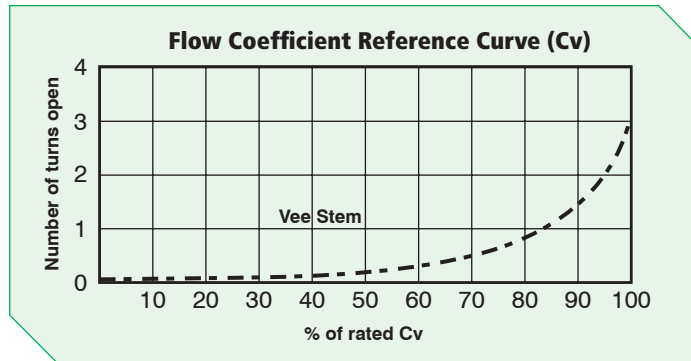
101V	5U	07	1
Valve Series	O.D. Tube Size	Stem Type	Body Pattern
101V	5U - 5/16"	07 - VEE stem	1 - two-way straight 2 - two-way angle 3 - three-way, two on pressure

O.D. Size in. (mm)	Connection Type	Orifice Size in. (mm)	Rated Cv*	Pressure/Temp. Rating psi (bar) @ R.T.**
5/16 (7.94)	5UF	0.062 (1.58)	0.09	101,000 (10,500)

\* 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.



### 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.

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																
	1015U071	Vee	5/16	0.062 (1.58)	5.43 (137.9)	2.44 (62)	1.75 (44.5)	0.33 (8.4)	0.51 (13)	1.77 (45)	3.94 (100)	1.44 (36.6)	3.03 (77)	1.12 (28.5)	1.26 (32)	

2-Way Angle																
	1015U072	Vee	5/16	0.062 (1.58)	6.18 (157)	2.99 (76)	1.44 (36.6)	0.33 (8.4)	0.35 (8.9)	1.97 (50)	3.94 (100)	1.50 (38.1)	2.28 (57.9)	0.51 (13)	1.12 (28.5)	1.26 (32)

3-Way / 2 on Pressure																
	1015U073	Vee	5/16	0.062 (1.58)	6.44 (163.6)	3.25 (82.6)	1.75 (44.5)	0.33 (8.4)	0.51 (13)	1.77 (45)	3.94 (100)	1.52 (38.6)	3.03 (77)	1.44 (36.6)	1.12 (28.5)	1.26 (32)

G - Panel mounting screw size 10-24 UNC.

All dimensions are for reference only and subject to change.



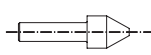
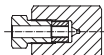
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# MAXIMATOR®

## Ultra High Pressure Fittings Pressures to 152,000 psi (10,500 bar)

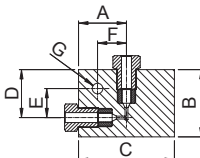
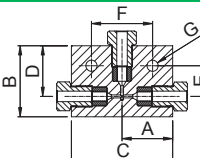
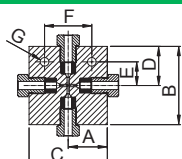
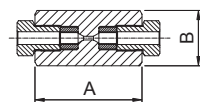
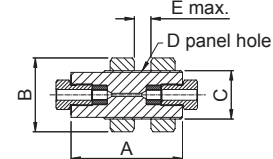
**MAXIMATOR** ultra high pressure fittings are designed to be used with the 101V series ultra high pressure valves and ultra high pressure tubing. All ultra high pressure fittings have coned and threaded type connections and are supplied with glands and collars. Mounting holes are standard on all elbows, tees, and crosses.



Tubing Size	Gland	Collar	Plug	Tubing Cap
$5/16$	 152G5U	 152C5U	 152P5U	 152TC5U

### Connection Components

All ultra high pressure fittings are supplied with glands and collars. Refer to the adjacent chart for ordering any of the connection components individually. When using the plug, the collar is not needed.

Fitting Pattern	Catalog Number	Connection Type	O.D. Tube Size in.	Orifice in. (mm)	Dimensions in. (mm)							Block Thickness
					A	B	C	D	E	F	G	
<b>Elbow</b>												
	152L5U	5UF	$5/16$	0.094 (2.4)	1.52 (38.6)	2.13 (54.1)	3.03 (77)	1.52 (38.6)	0.92 (23.4)	0.92 (23.4)	0.33 (8.4)	1.26 (32)
<b>Tee</b>												
	152T5U	5UF	$5/16$	0.094 (2.4)	1.52 (38.6)	2.13 (54.1)	3.03 (77)	1.52 (38.6)	0.92 (23.4)	1.83 (46.5)	0.33 (8.4)	1.26 (32)
<b>Cross</b>												
	152X5U	5UF	$5/16$	0.094 (2.4)	1.52 (38.6)	3.03 (77)	3.03 (77)	1.52 (38.6)	0.92 (23.4)	1.83 (46.5)	0.33 (8.4)	1.26 (32)
<b>Straight Coupling / Union Coupling</b>												
	152F5U	5UF	$5/16$	0.094 (2.4)	2.64 (67.1)	1.19 (30.2)	Straight Coupling					
	152UF5U						Union Coupling					
<b>Bulkhead Coupling</b>												
	152BF5U	5UF	$5/16$	0.094 (2.4)	3.27 (83.1)	2.17 (55.1)	1.42 (36.1)	1.43 (36.3)	0.87 (22.1)			

See page 2 in the Technical Section for pressure/temperature rating chart.  
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Adapters and Couplings  
Medium Pressure  
to 21,000 psi (1,500 bar)

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

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

Technical Information  
Valve Actuators

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