

Ultra High Pressure Fittings

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

High pressure fittings

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



Tubing Size	Gland	Collar	Plug	Tubing Cap
1/4	101G4U	101C4U	101P4U	101TC4U
3/8	101G6U	101C6U	101P6U	101TC6U
9/16	101G9U	101C9U	101P9U	101TC9U

Connection Components

All 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	
Elbow												
	101L4U	4UF	1/4	0.094 (2.3)	0.89 (22.6)	1.02 (25.9)	1.54 (39.1)	0.63 (16)	0.46 (11.7)	0.65 (16.5)	0.22 (5.6)	1.02 (25.9)
	101L6U	6UF	3/8	0.125 (3.2)	1.26 (32)	1.50 (38.1)	2.01 (51)	0.98 (24.9)	0.72 (18.3)	0.69 (17.5)	0.26 (6.6)	1.02 (25.9)
	101L9U	9UF	9/16	0.188 (4.8)	1.89 (48)	1.89 (48)	2.64 (67)	1.10 (28)	0.83 (21.1)	0.94 (23.9)	0.33 (8.4)	1.54 (39.1)
Tee												
	101T4U	4UF	1/4	0.094 (2.3)	1.00 (25.4)	1.26 (32)	2.01 (51)	0.89 (22.6)	0.46 (11.7)	1.30 (33)	0.22 (5.6)	1.02 (25.9)
	101T6U	6UF	3/8	0.125 (3.2)	1.00 (25.4)	1.57 (39.9)	2.01 (51)	1.06 (26.9)	0.72 (18.3)	1.38 (35)	0.26 (6.6)	1.02 (25.9)
	101T9U	9UF	9/16	0.188 (4.8)	1.32 (33.5)	2.13 (54.1)	2.64 (67)	1.38 (35)	0.83 (21.1)	1.89 (48)	0.33 (8.4)	1.54 (39.1)
Cross												
	101X4U	4UF	1/4	0.094 (2.3)	1.00 (25.4)	1.26 (32)	2.01 (51.1)	0.63 (16)	0.46 (11.7)	1.30 (33)	0.22 (5.6)	1.02 (25.9)
	101X6U	6UF	3/8	0.125 (3.2)	1.00 (25.4)	2.13 (54.1)	2.01 (51.1)	1.06 (27)	0.72 (18.3)	1.38 (35)	0.26 (6.6)	1.02 (25.9)
	101X9U	9UF	9/16	0.188 (4.8)	1.32 (33.5)	2.76 (70.1)	2.64 (67)	1.38 (35)	0.83 (21.1)	1.89 (48)	0.33 (8.4)	1.54 (39.1)

See page 2 in the Technical Section for pressure/temperature rating chart. All dimensions are for reference only and are subject to change.

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

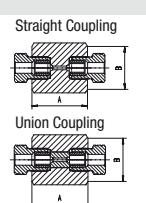
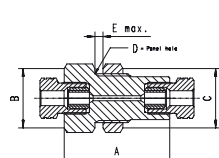
Adapters and Couplings
Medium Pressure
to 22,500 psi (1,550 bar)

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)

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	
Straight Coupling / Union Coupling												
	101F4U	4UF	1/4	0.094 (2.3)	1.38 (35)	1.06 (27)	Straight Coupling					
	101UF4U						Union Coupling					
	101F6U	6UF	3/8	0.125 (3.2)	1.77 (45)	1.06 (27)	Straight Coupling					
	101UF6U						Union Coupling					
	101F9U	9UF	9/16	0.188 (4.8)	2.19 (55.6)	1.44 (36.6)	Straight Coupling					
	101UF9U						Union Coupling					
Bulkhead Coupling												
	101BF4U	4UF	1/4	0.094 (2.3)	1.89 (48)	1.06 (27)	1.06 (27)	0.94 (23.9)	0.16 (4)			
	101BF6U	6UF	3/8	0.125 (3.2)	2.38 (60.5)	1.44 (36.5)	1.44 (36.5)	1.12 (28.5)	0.35 (8.9)			
	101BF9U	9UF	9/16	0.188 (4.8)	2.76 (70.1)	1.63 (41.3)	1.63 (41.3)	1.43 (36.3)	0.67 (17)			

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Ball Check Valves

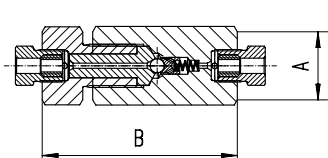
Maximator Ball Check Valves prevent reverse flow where bubble tight shut-off is not mandatory. These Check Valves are designed with a ball cradled floating poppet to assure positive inline seating.

This poppet design allows full flow around the ball to minimize pressure drop. Check Valves are rated to 660°F. (350°C). All Check Valves are supplied with glands and collars.

These Check Valves are not to be used as a relief device. The opening pressure of the Ball Check Valves is approx. 20 psi (1.5 bar).

» **Materials:**

Body, cover, cover gland: High strength series stainless steel
 Poppet, Ball and Spring: 300 and 400 series stainless steel

Valve Pattern	Catalog Number	Connection Type	Pressure Rating psi (bar)	Orifice in. (mm)	Rated (Cv)	Dimensions in. (mm)	
						A (Hex.)	B
	101BC4U	4UF	101,000 (7,000)	0.094 (2.3)	0.15	1.18 (30)	3.38 (85.7)
	101BC5U	5UF	101,000 (7,000)	0.062 (1.6)	0.11	1.63 (41.3)	5.42 (137.6)
	101BC6U	6UF	101,000 (7,000)	0.125 (3.2)	0.28	1.18 (30)	3.81 (96.8)
	101BC9U	9UF	101,000 (7,000)	0.188 (4.8)	0.63	1.61 (41)	4.62 (117.4)

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Ultra High Pressure Fittings

» Pressures to 152,000 psi (10,500 bar)

Ultra high pressure fittings

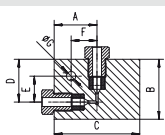
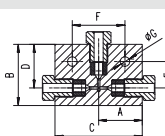
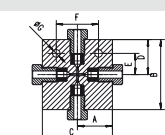
Maximator ultra high pressure fittings are designed to be used with the 101V series ultra high pressure valves and ultra high pressure tubing. All ultra high pressure fittings have coned and threaded type connections and are supplied with glands and collars. Mounting holes are standard on all elbows, 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	
Elbow												
	152L5U	5UF	5/16	0.094 (2.3)	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)
Tee												
	152T5U	5UF	5/16	0.094 (2.3)	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)
Cross												
	152X5U	5UF	5/16	0.094 (2.3)	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)

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Ball Valves
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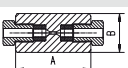
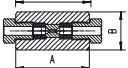
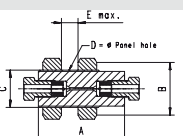
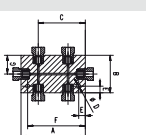
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					A	B	C	D	E	F	G	
Straight Coupling / Union Coupling												
Straight 	152F5U	5UF	5/16	0.094 (2.3)	2.64 (67.1)	1.19 (30.2)	Straight Coupling					
Union 	152UF5U						Union Coupling					
Bulkhead Coupling												
	152BF5U	5UF	5/16	0.094 (2.3)	3.27 (83)	2.00 (50.8)	1.42 (36.1)	1.46 (36)	0.87 (22.1)			
Manifold Block												
	152MB65U	5UF	5/16	0.094 (2.3)	4.72 (120)	3.03 (77)	3.21 (81.5)	0.33 (8.5)	0.59 (15)	4.13 (105)	1.52 (38.5)	1.26 (32)

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