

Medium Pressure Fittings

» Pressures to 22,500 psi (1,550 bar)

Medium pressure fittings

Maximator medium pressure fittings are designed for use with the 15V series hydrogen valves and 21V series medium pressure valves and medium pressure tubing. All medium pressure fittings have coned and threaded type connections. Mounting holes are standard on all elbows, tees and crosses.



Tubing Size in. (mm)	Gland	Collar	Plug	Tubing Cap
	1/4 (6.35)	21G4M	21C4M	21P4M
3/8 (9.53)	21G6M	21C6M	21P6M	21TC6M
9/16 (14.29)	21G9M	21C9M	21P9M	21TC9M
3/4 (19.05)	21G12M	21C12M	21P12M	21TC12M
1 (25.4)	21G16M	21C16M	21P16M	21TC16M

Connection Components

All medium 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.

» Materials:

Fitting body: 1.4404 (SST 316L)

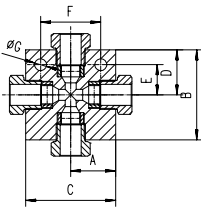
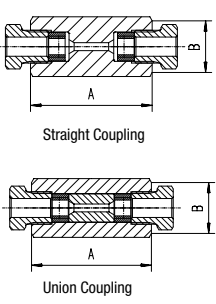
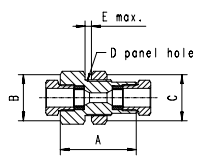
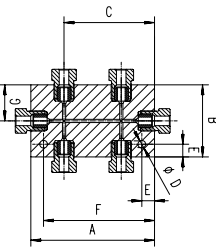
Gland, collar: : 1.4404 (SST 316L)

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												
	21L4M	4MF	1/4	0.106 (2.7)	0.75 (19.1)	1.10 (28)	1.54 (39.1)	0.75 (19.1)	0.49 (12.5)	0.49 (12.5)	0.22 (5.6)	0.63 (16)
	21L6M	6MF	3/8	0.201 (5.1)	1.00 (25.4)	1.38 (35)	2.00 (50.8)	1.00 (25.4)	0.63 (16)	0.63 (16)	0.26 (6.6)	0.79 (20.1)
	21L9M	9MF	9/16	0.307 (7.8)	1.25 (31.8)	1.75 (44.5)	2.50 (63.5)	1.25 (31.8)	0.84 (21.3)	0.84 (21.3)	0.33 (8.4)	1.02 (25.9)
	21L12M	12MF	3/4	0.438 (11.1)	1.50 (38.1)	2.25 (57.2)	3.00 (76)	1.50 (38.1)	1.00 (25.4)	1.00 (25.4)	0.35 (8.9)	1.38 (35)
	21L16M	16MF	1	0.562 (14.3)	2.06 (52.3)	3.00 (76)	4.13 (105)	2.06 (52.3)	1.38 (35)	1.38 (35)	0.53 (13.5)	1.77 (45)
Tee												
	21T4M	4MF	1/4	0.106 (2.7)	0.75 (19.1)	1.10 (28)	1.54 (39.1)	0.75 (19.1)	0.49 (12.5)	0.98 (25)	0.22 (5.6)	0.63 (16)
	21T6M	6MF	3/8	0.201 (5.1)	1.00 (25.4)	1.38 (35)	2.00 (50.8)	1.00 (25.4)	0.63 (16)	1.26 (32)	0.26 (6.6)	0.79 (20.1)
	21T9M	9MF	9/16	0.307 (7.8)	1.25 (31.8)	1.75 (44.5)	2.50 (63.5)	1.25 (31.8)	0.84 (21.3)	1.67 (42.6)	0.33 (8.4)	1.02 (25.9)
	21T12M	12MF	3/4	0.438 (11.1)	1.50 (38.1)	2.25 (57.2)	3.00 (76)	1.50 (38.1)	1.00 (25.4)	2.00 (50.8)	0.35 (8.9)	1.38 (35)
	21T16M	16MF	1	0.562 (14.3)	2.06 (52.3)	3.00 (76)	4.13 (105)	2.06 (52.3)	1.38 (35)	2.76 (70)	0.53 (13.5)	1.77 (45)

All dimensions are for reference only and are subject to change.

Medium Pressure Fittings

» Pressures to 22,500 psi (1,550 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	
Cross												
	21X4M	4MF	1/4	0.106 (2.7)	0.77 (19.5)	1.54 (39.1)	1.54 (39.1)	0.77 (19.5)	0.49 (12.5)	0.98 (25)	0.22 (5.6)	0.63 (16)
	21X6M	6MF	3/8	0.201 (5.1)	1.00 (25.4)	2.00 (50.8)	2.00 (50.8)	1.00 (25.4)	0.63 (16)	1.26 (32)	0.26 (6.6)	0.79 (20.1)
	21X9M	9MF	9/16	0.307 (7.8)	1.25 (31.8)	2.50 (63.5)	2.50 (63.5)	1.25 (31.8)	0.84 (21.3)	1.67 (42.6)	0.33 (8.4)	1.02 (25.9)
	21X12M	12MF	3/4	0.438 (11.1)	1.50 (38.1)	3.00 (76)	3.00 (76)	1.50 (38.1)	1.00 (25.4)	2.00 (50.8)	0.35 (8.9)	1.38 (35)
	21X16M	16MF	1	0.562 (14.3)	2.06 (52.3)	4.13 (105)	4.13 (105)	2.06 (52.3)	1.38 (35)	2.76 (70)	0.53 (13.5)	1.77 (45)
Straight Coupling / Union Coupling												
	21F4M	4MF	1/4	0.106 (2.7)	1.62 (41.1)	0.69 (17.5)	Straight Coupling					
	21UF4M						Union Coupling					
	21F6M	6MF	3/8	0.201 (5.1)	1.75 (44.5)	0.88 (22.3)	Straight Coupling					
	21UF6M						Union Coupling					
	21F9M	9MF	9/16	0.307 (7.8)	2.12 (53.8)	1.06 (27)	Straight Coupling					
	21UF9M						Union Coupling					
	21F12M	12MF	3/4	0.438 (11.1)	2.50 (63.5)	1.44 (36.5)	Straight Coupling					
	21UF12M						Union Coupling					
	21F16M	16MF	1	0.562 (14.3)	3.50 (88.9)	2.00 (50.8)	Straight Coupling					
	21UF16M						Union Coupling					
Bulkhead Coupling												
	21BF4M	4MF	1/4	0.106 (2.7)	1.88 (47.8)	1.06 (27)	1.06 (27)	0.94 (23.9)	0.67 (17)			
	21BF6M	6MF	3/8	0.201 (5.1)	2.01 (51)	1.06 (27)	1.06 (27)	0.94 (23.9)	0.39 (9.9)			
	21BF9M	9MF	9/16	0.307 (7.8)	2.38 (60.5)	1.44 (36.5)	1.44 (36.5)	1.12 (28.5)	0.39 (9.9)			
	21BF12M	12MF	3/4	0.438 (11.1)	2.81 (71.4)	1.62 (41.3)	1.62 (41.3)	1.37 (34.8)	0.47 (11.9)			
	21BF16M	16MF	1	0.562 (14.3)	3.54 (89.9)	2.00 (50.8)	2.00 (50.8)	1.68 (42.6)	0.51 (13)			
Manifold Block												
	21MB4M	4MF	1/4	0.106 (2.7)	3.39 (86)	1.54 (39.1)	2.6 (66)	0.22 (5.5)	0.28 (7)	3.11 (79)	0.77 (19.5)	0.63 (16)
	21MB6M	6MF	3/8	0.201 (5.1)	3.39 (86)	2.00 (50.8)	2.38 (60.5)	0.26 (6.5)	0.37 (9.5)	3.01 (76.5)	1.00 (25.5)	0.79 (20.1)
	21MB69M	9MF	9/16	0.307 (7.8)	5.12 (130)	2.50 (63.5)	3.86 (98)	0.33 (8.5)	0.41 (10.5)	4.7 (119.5)	1.25 (31.75)	1.02 (25.9)
	21MB612M	12MF	3/4	0.438 (11.1)	6.50 (165)	3.00 (76)	5.00 (127)	0.35 (9)	0.49 (12.5)	6.00 (152.5)	1.5 (38)	1.38 (35)
	21MB616M	16MF	1	0.562 (14.3)	7.25 (191)	4.13 (105)	5.45 (138.5)	0.53 (13.5)	0.69 (17.5)	6.83 (173.5)	2.07 (52.5)	1.77 (45)

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Medium Pressure Fittings - variable connections

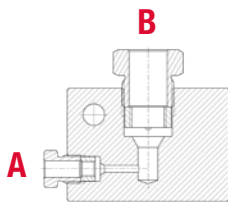
» Pressures to 22,500 psi (1,550 bar)

Medium pressure fittings with variable connections

Maximator also offers medium pressure elbow, tee and cross fittings with variable connections. The dimensions depend on the largest connection type. All medium pressure fittings have coned and threaded type connections. Mounting holes are standard on all elbows, tees and crosses.

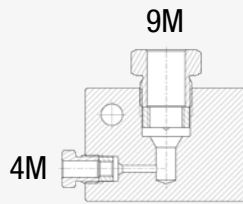
Elbow

Body structure



Catalog Number **21L A B**

Example:



Catalog Number

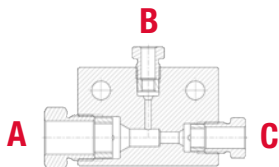
21L 4M 9M

A B

Largest connection type*

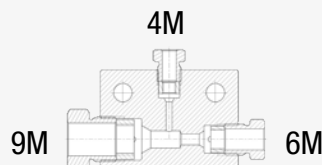
Tee

Body structure



Catalog Number **21T A B C**

Example:



Catalog Number

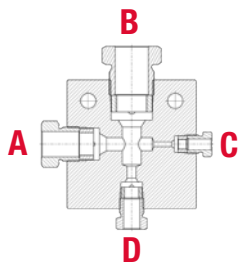
21T 9M 4M 6M

A B C

Largest connection type*

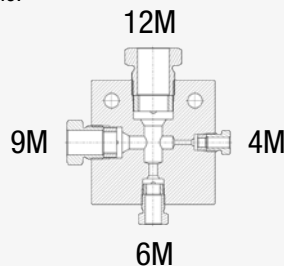
Cross

Body structure



Catalog Number **21X A B C D**

Example:



Catalog Number

21X 9M 12M 4M 6M

A B C D

Largest connection type*

* All dimensions can be found on the previous pages.

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