

Pipe Valves, Fittings and Nipples

» Pressures to 15,200 psi (1,050 bar)



MAXIMATOR has been designing and manufacturing high pressure equipment for more than thirty years and has a worldwide reputation for quality and reliability, backed by one of the best service organizations in the industry.

Pipe Valves, Fittings and Nipple feature:

- Rising stem design.
- 316 L (1.4404) wetted parts and 17-4 PH Stem for excellent corrosion resistance.
- Metal-to-metal seating achieves bubble-tight shut-off, longer stem and seat life, greater durability for repeated open and close cycles.
- PTFE and carbon packing with metal back-up rings offers reliable stem to body sealing.
- Non-rotating stem prevents stem to seat galling.
- Stem sleeve and packing gland materials have been selected to achieve optimum thread cycle life and reduced handle torque. All stem sleeve threads are rolled, assuring smooth operation.
- Two different valve body patterns, with choice of vee or regulating type stem tip.

MAXIMATOR offers a complete line of pipe fittings, pipe hex nipples, pipe check valves and pipe line filters. All pipe valves use the NPT and BSP connection, fittings use the NPT connection.

Note: When selecting multiple items, the pressure rating would be that of the lowest rated component.

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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)

Pipe Valves

» Pressures to 15,000 psi (1,050 bar)



Ordering Information
Typical catalog number:
15V4B071

Pipe valves

Maximator Pipe valves with metal to metal seats have a high level of safety and reliability under adverse operating conditions. These valves may be used both with gases and liquids.

Traceability is ensured through extensively documented data (batch number, maximum pressure, material number, type designation).

15 V Valve Series	4B Thread Size	07 Stem Type	1 Body Pattern	Options
15 V	4B – 1/4" BSP	07 – non-rotating VEE stem	1 – two-way straight	Extreme temperature option, see information below.
	4P – 1/4" NPT	08 – non-rotating REGULATING stem*	2 – two-way angle	
	6B – 3/8" BSP			
	6P – 3/8" NPT			
	8B – 1/2" BSP			
	8P – 1/2" NPT			
	12B – 3/4" BSP			
	12P – 3/4" NPT			
	16B – 1" BSP			
	16P – 1" NPT			

Options for Pipe Valves

Special Designs for Extreme Temperatures

Standard valves are supplied with Teflon / Carbon packing and may be operated to 450°F (230°C). High temperature packing and / or extended stuffing box are available for service from -423°F to 1200°F (-252°C to 650°C) by adding the following suffixes to catalog order number.

- **TG** – standard valve with teflon glass packing to 600°F (315°C).

- **GY** – standard valve with graphite braided yarn packing to 800°F (425°C).
- **HT** – extended stuffing box valve with graphite braided yarn packing to 1200°F (650°C).
- **B** – standard valve with cryogenic trim materials and Teflon packing to -100°F (-73°C).
- **LT** – extended stuffing box valve with teflon packing and cryogenic trim materials to -423°F (-252°C).

O.D. Size in.	Connec-tion Type	Orifice Size in. (mm)	Rated Cv**	Pressure Rating @ R.T. psi (bar)***
1/4	4B/4P	0.201 (5.1)	0.75	15,200 (1,050)
3/8	6B/6P	0.312 (7.9)	1.30	15,200 (1,050)
1/2	8B/8P	0.312 (7.9)	1.30	15,200 (1,050)
3/4	12B/12P	0.687 (17.4)	5.20	15,200 (1,050)
1	16B/16P	0.687 (17.4)	5.20	15,200 (1,050)

Consult your MAXIMATOR representative for **repair kits** and valve bodies. Refer to the Technical Section for proper maintenance procedures.

Maximator recommends pipe connections, sealed with PTFE-Tape, be operated between 0°F (-17°C) and 450°F (230°C). By use anaerobic sealants follow the instruction of the Sealant-Manufacturer

* tapered tip for regulating and shutoff

** Cv values shown are for 2-way straight pattern vee stem valves. For 2-way angle patterns, increase the Cv value by 50%. For Flow coefficient reference curves, please refer to chapter Technical Informations.

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

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

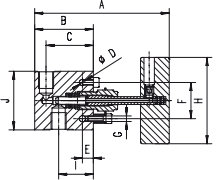
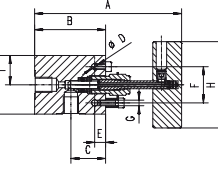
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Valve Pattern	Catalog Number	Stem Type	O.D. Tube in.	Orifice in. (mm)	Dimensions in. (mm)										Valve Panel Hole	Block Thickness
					A	B	C	D	E	F	H	I	J			
2-Way Straight																
	15V4B071	Vee	1/4	0.201 (5.1)	4.61 (117)	2.01 (51)	1.62 (41.1)	0.22 (5.5)	0.37 (9.5)	1.24 (31.5)	2.95 (75)	1.19 (30.2)	2.01 (51)	0.75 (19.1)	0.79 (20)	
	15V4B081	Reg														
	15V4P071	Vee														
	15V4P081	Reg														
	15V6B071	Vee	3/8	0.312 (7.9)	6.3 (160)	2.88 (73.2)	2.38 (60.5)	0.37 (9.5)	0.45 (11.5)	1.38 (35)	3.94 (100)	1.75 (44.5)	2.50 (63.5)	1.00 (25.4)	1.02 (26)	
	15V6B081	Reg														
	15V6P071	Vee														
	15V8B071	Vee	1/2	0.312 (7.9)	6.496 (165)	3.11 (79)	2.36 (60)	0.37 (9.5)	0.45 (11.5)	1.38 (35)	3.94 (100)	1.73 (44)	2.64 (67)	1.00 (25.4)	1.54 (39)	
	15V8B081	Reg														
	15V8P071	Vee														
	15V12B071	Vee	3/4	0.687 (17.4)	9.00 (228)	4.65 (118)	3.75 (95.3)	0.53 (13.5)	1.13 (28.7)	2.50 (63.5)	10.31 (262)	2.81 (71.4)	4.13 (105)	1.62 (41.1)	1.77 (45)	
	15V12B081	Reg														
	15V12P071	Vee														
	15V16B071	Vee	1	0.687 (17.4)	9.00 (228)	4.65 (118)	3.75 (95.3)	0.53 (13.5)	1.13 (28.7)	2.50 (63.5)	10.31 (262)	2.81 (71.4)	4.13 (105)	1.62 (41.1)	1.77 (45)	
	15V16B081	Reg														
	15V16P071	Vee														
15V16P081	Reg															
2-Way Angle																
	15V4B072	Vee	1/4	0.201 (5.1)	5.00 (127)	2.43 (61.7)	1.19 (30.2)	0.22 (5.5)	0.37 (9.5)	1.24 (31.5)	2.95 (75)	1.00 (25.4)	2.01 (51)	0.75 (19.1)	0.79 (20)	
	15V4B082	Reg														
	15V4P072	Vee														
	15V4P082	Reg														
	15V6B072	Vee	3/8	0.312 (7.9)	6.77 (172)	3.38 (85.9)	1.75 (44.5)	0.37 (9.5)	0.45 (11.5)	1.38 (35)	3.94 (100)	1.25 (31.8)	2.50 (63.5)	1.00 (25.4)	1.02 (26)	
	15V6B082	Reg														
	15V6P072	Vee														
	15V8B072	Vee	1/2	0.312 (7.9)	6.464 (164)	3.11 (79)	1.73 (44)	0.37 (9.5)	0.45 (11.5)	1.38 (35)	3.94 (100)	1.32 (33.5)	2.64 (67)	1.00 (25.4)	1.54 (39)	
	15V8B082	Reg														
	15V8P072	Vee														
	15V12B072	Vee	3/4	0.687 (17.4)	9.00 (228)	4.65 (118)	2.81 (71.4)	0.53 (13.5)	1.13 (28.7)	2.50 (63.5)	10.31 (262)	2.07 (52.5)	4.13 (105)	1.62 (41.1)	1.77 (45)	
	15V12B082	Reg														
	15V12P072	Vee														
	15V16B072	Vee	1	0.687 (17.4)	9.00 (228)	4.65 (118)	2.81 (71.4)	0.53 (13.5)	1.13 (28.7)	2.50 (63.5)	10.31 (262)	2.07 (52.5)	4.13 (105)	1.62 (41.1)	1.77 (45)	
	15V16B082	Reg														
	15V16P072	Vee														
15V16P082	Reg															

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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Pipe Fittings

» Pressures to 15,200 psi (1,050 bar)

Pipe Fittings

Maximator Pipe Fittings are designed for liquid and gas applications. The P Series Fittings are available from 1/4" to 1" NPT to 15,200 psi (1,050 bar).

NPT threads must be sealed using a high quality PTFE tape and/or paste product. Sealing performance may vary based on many factors such as pressure, temperature, media, thread quality, thread material, proper thread engagement and proper use of thread sealant.

MAXIMATOR recommends to limit the number of times an NPT fitting is assembled and disassembled because thread deformation during assembly will result in deteriorating seal quality over time. When using only PTFE tape, using thread lubrication to prevent galling of mating parts is recommended.



Fitting Pattern	Catalog Number	Connection Type	Orifice in. (mm)	Dimensions in. (mm)							Block Thickness
				A	B	C	D	E	F	G	
Pipe Elbow											
	15L4P	1/4" NPT	0.201 (5.1)	0.75 (19)	1.14 (29)	1.54 (39)	0.75 (19)	0.49 (12.5)	0.49 (12.5)	0.22 (5.5)	0.79 (20)
	15L6P	3/8" NPT	0.312 (7.9)	1.00 (25.4)	1.50 (38)	2.01 (51)	1.00 (25.4)	0.63 (16)	0.63 (16)	0.26 (6.5)	1.02 (26)
	15L8P	1/2" NPT	0.312 (7.9)	1.50 (38)	1.89 (48)	2.99 (76)	1.25 (31.8)	0.84 (21.3)	1.08 (27.5)	0.33 (8.5)	1.38 (35)
	15L12P	3/4" NPT	0.685 (17.4)	1.50 (38)	2.24 (57)	2.99 (76)	1.50 (38)	1.00 (25.4)	1.00 (25.4)	0.35 (9)	1.38 (35)
	15L16P	1" NPT	0.685 (17.4)	2.07 (52.5)	2.52 (64)	4.13 (105)	1.57 (40)	1.10 (28)	1.38 (35)	0.53 (13.5)	1.77 (45)
Pipe Tee											
	15T4P	1/4" NPT	0.201 (5.1)	0.77 (19.5)	1.14 (29)	1.54 (39)	0.75 (19)	0.49 (12.5)	1.02 (26)	0.22 (5.5)	0.79 (20)
	15T6P	3/8" NPT	0.312 (7.9)	1.00 (25.4)	1.50 (38)	2.01 (51)	1.00 (25.4)	0.63 (16)	1.26 (32)	0.26 (6.5)	1.02 (26)
	15T8P	1/2" NPT	0.312 (7.9)	1.50 (38)	1.89 (48)	2.99 (76)	1.26 (32)	0.87 (22)	2.00 (51)	0.35 (9)	1.38 (35)
	15T12P	3/4" NPT	0.685 (17.4)	1.50 (38)	2.20 (56)	2.99 (76)	1.50 (38)	1.00 (25.4)	2.00 (51)	0.35 (9)	1.38 (35)
	15PT16P	1" NPT	0.685 (17.4)	2.07 (52.5)	2.52 (64)	4.13 (105)	1.57 (40)	1.10 (28)	2.76 (70)	0.53 (13.5)	1.77 (45)

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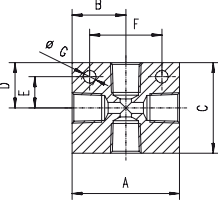
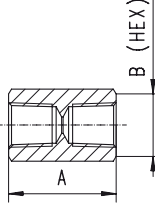
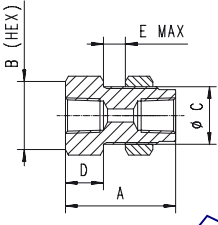
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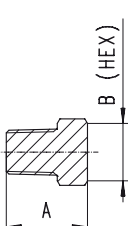
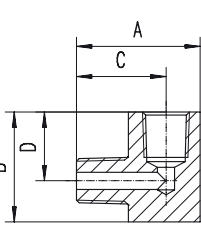
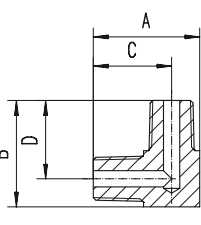
Fitting Pattern	Catalog Number	Connection Type	Orifice in. (mm)	Dimensions in. (mm)							Block Thickness
				A	B	C	D	E	F	G	
Pipe Cross											
	15X4P	1/4" NPT	0.201 (5.1)	1.54 (39)	0.77 (19.5)	1.54 (39)	0.77 (19.5)	0.49 (12.5)	0.98 (25)	0.22 (5.5)	0.79 (20)
	15X6P	3/8" NPT	0.312 (7.9)	2.01 (51)	1.00 (25.4)	2.01 (51)	1.00 (25.4)	0.63 (16)	1.26 (32)	0.26 (6.5)	1.02 (26)
	15X8P	1/2" NPT	0.312 (7.9)	2.99 (76)	1.50 (38)	2.52 (64)	1.26 (32)	0.87 (22)	2.01 (51)	0.35 (9)	1.38 (35)
	15X12P	3/4" NPT	0.685 (17.4)	2.99 (76)	1.50 (38)	2.99 (76)	1.50 (38)	1.00 (25.4)	2.01 (51)	0.35 (9)	1.38 (35)
	15X16P	1" NPT	0.685 (17.4)	4.13 (105)	2.07 (52.5)	3.15 (80)	1.57 (40)	1.10 (28)	2.76 (70)	0.53 (13.5)	1.77 (45)
Pipe Coupling											
	15F4P	1/4" NPT	0.201 (5.1)	1.50 (38.1)	0.81 (20.6)						
	15F6P	3/8" NPT	0.312 (7.9)	1.63 (41.3)	1.06 (27)						
	15F8P	1/2" NPT	0.312 (7.9)	2.05 (52)	1.19 (30.2)						
	15F12P	3/4" NPT	0.685 (17.4)	2.72 (69)	1.44 (36.5)						
	15F16P	1" NPT	0.685 (17.4)	2.52 (64)	2.00 (50.8)						
Pipe Bulkhead Coupling											
	15BF4P	1/4" NPT	0.201 (5.1)	2.00 (50.8)	1.06 (27)	0.9 (23)	0.63 (16)	0.71 (18)			
	15BF6P	3/8" NPT	0.312 (7.9)	2.38 (60.5)	1.44 (36.5)	1.14 (29)	0.79 (20)	0.63 (16)			
	15BF8P	1/2" NPT	0.312 (7.9)	2.63 (66.8)	1.63 (41.28)	1.39 (35.5)	0.91 (23)	0.63 (16)			
	15BF12P	3/4" NPT	0.685 (17.4)	2.63 (66.8)	2.00 (50.8)	1.69 (43)	0.91 (23)	0.47 (12)			
	15BF16P	1" NPT	0.685 (17.4)	3.50 (89)	2.00 (50.8)	1.97 (50)	1.50 (38)	0.39 (10)			

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Pipe Fittings

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Fitting Pattern	Catalog Number	Connection Type	Orifice in. (mm)	Dimensions in. (mm)							Block Thickness
				A	B	C	D	E	F	G	
Pipe Plugs											
	15P4P	1/4" NPT		1.10 (28)	0.69 (17.5)						
	15P6P	3/8" NPT		1.10 (28)	0.88 (22.2)						
	15P8P	1/2" NPT		1.50 (38)	1.06 (27)						
	15P12P	3/4" NPT		1.50 (38)	1.44 (36.5)						
	15P16P	1" NPT		1.89 (48)	1.44 (36.5)						
Street Pipe Elbow											
	15SPL4P	1/4" NPT	0.201 (5.1)	1.50 (38.1)	1.50 (38.1)	1.13 (28.7)	1.00 (25.4)				0.79 (20)
	15SPL6P	3/8" NPT	0.312 (7.9)	1.76 (44.8)	1.50 (38.1)	1.25 (31.8)	1.00 (25.4)				1.02 (26)
	15SPL8P	1/2" NPT	0.312 (7.9)	2.25 (57.2)	2.00 (50.8)	1.63 (41.4)	1.25 (31.8)				1.02 (26)
	15SPL12P	3/4" NPT	0.685 (17.4)	2.5 (63.5)	2.62 (66.6)	1.81 (46)	1.70 (43.3)				1.54 (39)
	15SPL16P	1" NPT	0.685 (17.4)	2.99 (76)	2.99 (76)	2.13 (54)	2.01 (51)				1.77 (45)
Male Pipe Elbow											
	15MPL4P	1/4" NPT	0.201 (5.1)	1.50 (38)	1.50 (38)	1.13 (28.7)	1.13 (28.7)				0.79 (20)
	15MPL6P	3/8" NPT	0.312 (7.9)	1.75 (60.5)	1.75 (36.5)	1.25 (29)	1.25 (20)				1.02 (26)
	15MPL8P	1/2" NPT	0.312 (7.9)	2.00 (50.8)	2.00 (50.8)	1.47 (37.4)	1.47 (37.4)				1.02 (26)
	15MPL12P	3/4" NPT	0.685 (17.4)	2.62 (66.6)	2.62 (66.6)	1.87 (47.6)	1.87 (47.6)				1.54 (39)
	15MPL16P	1" NPT	0.685 (17.4)	2.99 (76)	2.99 (76)	2.13 (54)	2.13 (54)				1.77 (45)

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Fitting Pattern	Catalog Number	Connection Type	Orifice in. (mm)	Dimensions in. (mm)							Block Thickness
				A	B	C	D	E	F	G	
Male Pipe Tee											
	15MPT4P	1/4" NPT	0.201 (5.1)	2.26 (57.4)	1.50 (38)	1.13 (28.7)	1.13 (28.7)				0.79 (20)
	15MPT6P	3/8" NPT	0.312 (7.9)	2.50 (63.5)	1.75 (44.5)	1.25 (31.8)	1.25 (31.8)				1.02 (26)
	15MPT8P	1/2" NPT	0.312 (7.9)	3.00 (76.2)	2.00 (50.8)	1.50 (38)	1.50 (38)				1.02 (26)
	15MPT12P	3/4" NPT	0.685 (17.4)	3.50 (89)	2.62 (66.6)	1.75 (44.5)	1.77 (44.5)				1.54 (39)
	15MPT16P	1" NPT	0.685 (17.4)	4.13 (105)	2.99 (76)	2.07 (52.5)	2.13 (54)				1.77 (45)
Street Pipe Tee											
	15SPT4P	1/4" NPT	0.201 (5.1)	2.00 (50.8)	1.38 (35)	1.15 (29.3)	1.00 (25.4)				0.79 (20)
	15SPT6P	3/8" NPT	0.312 (7.9)	2.50 (63.5)	1.50 (38)	1.50 (38)	1.00 (25.4)				1.02 (26)
	15SPT8P	1/2" NPT	0.312 (7.9)	3.00 (76.2)	2.00 (50.8)	1.63 (41.4)	1.25 (31.8)				1.38 (35)
	15SPT12P	3/4" NPT	0.685 (17.4)	3.15 (80)	2.62 (66.6)	1.81 (46.9)	1.70 (43.3)				1.54 (39)
	15SPT16P	1" NPT	0.685 (17.4)	4.13 (105)	2.99 (76)	2.13 (54)	2.13 (54)				1.77 (45)
Male Branch Tee											
	15BPT4P	1/4" NPT	0.201 (5.1)	2.00 (50.8)	1.50 (38)	1.00 (25.4)	1.13 (28.7)				0.79 (20)
	15BPT6P	3/8" NPT	0.312 (7.9)	2.00 (50.8)	1.75 (44.5)	1.00 (25.4)	1.25 (31.8)				1.02 (26)
	15BPT8P	1/2" NPT	0.312 (7.9)	3.00 (76.2)	2.25 (57.2)	1.50 (38)	1.62 (41.2)				1.38 (35)
	15BPT12P	3/4" NPT	0.685 (17.4)	3.00 (76.2)	2.62 (66.6)	1.50 (38)	1.87 (47.6)				1.54 (39)
	15BPT16P	1" NPT	0.685 (17.4)	4.13 (105)	2.99 (76)	2.07 (52.5)	2.13 (54)				1.77 (45)

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

Pipe Hex Nipples

» Pressures to 15,200 psi (1,050 bar)

Pipe Hex Nipples

Maximator Pipe Hex Nipples are designed for rapid system make-up. They are available in various lengths for pipe valves and fittings.

In addition to the minimum lengths (Pipe Hex Close Nipples) and standard lengths listed in the table below, Pipe Hex Nipples are also available in custom length. Please consult factory.



Fitting Pattern	Catalog Number	Connection Type psi (bar)	Working Pressure (mm)	Orifice in. (mm)	Dimensions in. (mm)	
					A	B (Hex.)
Pipe Hex Close Nipple						
	15M4P	1/4" NPT	15,200 (1,050)	0.201 (5.1)	1.85 (47)	0.69 (17.46)
	15M6P	3/8" NPT	15,200 (1,050)	0.312 (7.9)	1.89 (48)	0.88 (22.2)
	15M8P	1/2" NPT	15,200 (1,050)	0.312 (7.9)	2.50 (63.5)	1.06 (27)
	15M12P	3/4" NPT	15,200 (1,050)	0.685 (17.4)	2.81 (71.5)	1.44 (36.5)
	15M16P	1" NPT	15,200 (1,050)	0.685 (17.4)	3.19 (81)	1.44 (36.5)
Pipe Hex Nipples						
	15M4P-4	1/4" NPT	15,200 (1,050)	0.201 (5.1)	4.00 (101.6)	0.69 (17.46)
	15M4P-6				6.00 (152.4)	
	15M4P-8				8.00 (203.2)	
	15M6P-4	3/8" NPT	15,200 (1,050)	0.312 (7.9)	4.00 (101.6)	0.88 (22.2)
	15M6P-6				6.00 (152.4)	
	15M6P-8				8.00 (203.2)	
	15M8P-4	1/2" NPT	15,200 (1,050)	0.312 (7.9)	4.00 (101.6)	1.06 (27)
	15M8P-6				6.00 (152.4)	
	15M8P-8				8.00 (203.2)	
	15M12P-4	3/4" NPT	15,200 (1,050)	0.685 (17.4)	4.00 (101.6)	1.44 (36.5)
	15M12P-6				6.00 (152.4)	
	15M12P-8				8.00 (203.2)	
	15M16P-4	1" NPT	15,200 (1,050)	0.685 (17.4)	4.00 (101.6)	1.44 (36.5)
	15M16P-6				6.00 (152.4)	
	15M16P-8				8.00 (203.2)	

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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Pipe Valves & Fittings
to 15,200 psi (1,050 bar)

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to 22,500 psi (1,550 bar)

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

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

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Customized Solutions
Ball Valves
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Pipe O-Ring Check Valves

» Pressures to 15,200 psi (1,050 bar)

Pipe O-Ring Check Valves

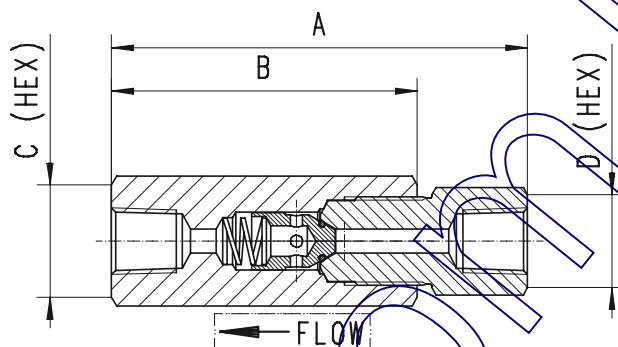
Maximator Pipe O-Ring Check Valves provide high quality directional flow control and bubble tight shut-off for liquids and gases. These check valves are not to be used as a relief device. The opening pressure of the O-Ring Check Valves is approx. 20 psi (1.5 bar).

» Materials:

Body, cover, poppet, cover gland: 316 stainless steel

Spring: 300 series stainless steel

O-ring: FKM "A" [-4°F to 392°F (-20°C to 200°C)]



Catalog Number	Connection Type	Pressure Rating psi (bar)	Orifice in. (mm)	Rated (Cv)	Dimensions in. (mm)			
					A	B	C (Hex.)	D (Hex.)
Pipe O-Ring Check Valves								
150C4P	1/4" NPT	15,200 (1.050)	0.201 (5.1)	0.28	3.36 (85.3)	2.40 (61)	0.88 (22.2)	0.88 (22.2)
150C6P	3/8" NPT	15,200 (1.050)	0.312 (7.9)	0.84	3.94 (100)	2.95 (75)	1.44 (36.5)	1.44 (36.5)
150C8P	1/2" NPT	15,200 (1.050)	0.312 (7.9)	2.30	5.30 (134.7)	3.90 (99)	1.44 (36.5)	1.44 (36.5)
150C12P	3/4" NPT	15,200 (1.050)	0.685 (17.4)	4.70	6.25 (159.8)	4.88 (124)	2.00 (50.8)	2.00 (50.8)
150C16P	1" NPT	15,200 (1.050)	0.685 (17.4)	7.40	7.32 (186)	5.75 (146)	2.00 (50.8)	2.00 (50.8)

CAUTION: FREQUENT INSPECTIONS of O-Rings are necessary to ensure proper service of the check valve. O-Rings have shown satisfactory service life in testing, however different service conditions may lead to variations in cycle and shelf life.

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Pipe Ball Check Valves

» Pressures to 15,200 psi (1,050 bar)

Pipe Ball Check Valves

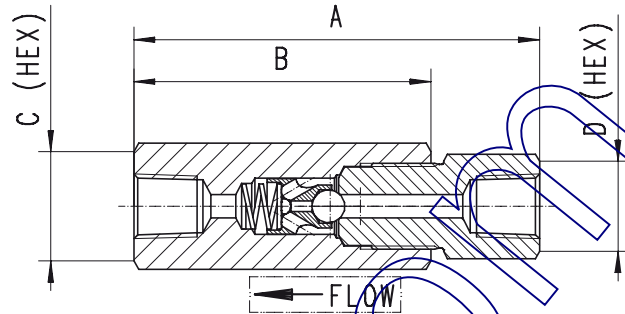
Maximator Pipe Ball Check Valves prevent reverse flow where bubble tight shut-off is not mandatory. These check valves are designed to operate to 660°F (350°C). These check valves are not to be used as a relief device. The opening pressure of the Pipe Ball Check Valves is approx. 20 psi (1.5 bar).

» Materials:

Body, cover, poppet, cover gland: 316 stainless steel

Ball: 316 stainless steel

Spring: 300 series stainless steel



Catalog Number	Connection Type	Pressure Rating psi (bar)	Orifice in. (mm)	Rated (Cv)	Dimensions in. (mm)			
					A	B	C (Hex.)	D (Hex.)
Pipe Ball Check Valves								
15BC4P	1/4" NPT	15,200 (1.050)	0.201 (5.1)	0.28	3.36 (85.3)	2.40 (61)	0.88 (22.2)	0.88 (22.2)
15BC6P	3/8" NPT	15,200 (1.050)	0.312 (7.9)	0.84	3.94 (100)	2.95 (75)	1.44 (36.5)	1.44 (36.5)
15BC8P	1/2" NPT	15,200 (1.050)	0.312 (7.9)	2.30	5.32 (135.7)	3.90 (99)	1.44 (36.5)	1.44 (36.5)
15BC12P	3/4" NPT	15,200 (1.050)	0.685 (17.4)	4.70	6.29 (159.8)	4.88 (124)	2.00 (50.8)	2.00 (50.8)
15BC16P	1" NPT	15,200 (1.050)	0.685 (17.4)	7.40	7.32 (186)	5.75 (146)	2.00 (50.8)	2.00 (50.8)

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Pipe Line Filter

» Pressures to 15,200 psi (1,050 bar)

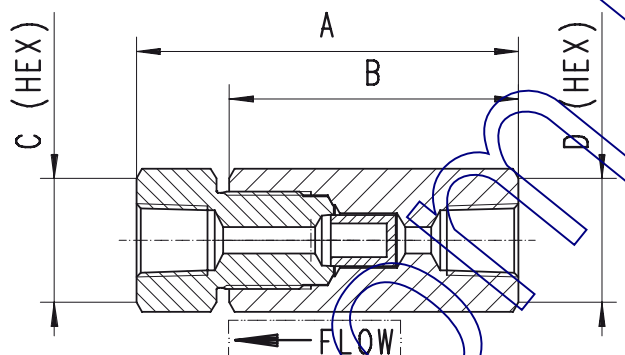
Pipe Line Filter

Maximator Pipe Line Filters are used to filter process fluids in high pressure systems. The cup type design is used when maximum filtration surface area and a single micron size element is preferred. This design increases the filter area as much as 6 times the area of the disc type filter, and will permit higher flow rates with a lower pressure drop, and longer intervals between element changes. Filter elements come standard in 5, 30, or 56 micron sizes and are easily replaced. Filters are rated for temperatures -330°F to 660°F (-200°C to 350°C).

» Materials:

Body, cover, cover gland: 316 series stainless steel

Element: 300 series stainless steel



Catalog Number	Pressure Rating psi (bar)	Orifice in. (mm)	Micron Size	Connection Type	Filter Ele- ment Area in. ² (mm ²)	Dimensions in. (mm)			
						A	B	C (Hex.)	D (Hex.)
Pipe Line Filter									
15CF4P-5	15,200 (1,050)	0.201 (5.1)	5	1/4" NPT	0.82 (530)	3.25 (82.5)	2.36 (60)	0.88 (22.2)	0.88 (22.2)
15CF4P-30			30						
15CF4P-56			56						
15CF6P-5	15,200 (1,050)	0.312 (7.9)	5	3/8" NPT	1.55 (1,000)	3.69 (93.84)	2.83 (72)	1.19 (30.2)	1.44 (36.5)
15CF6P-30			30						
15CF6P-56			56						
15CF8P-5	15,200 (1,050)	0.312 (7.9)	5	1/2" NPT	1.55 (1,000)	4.42 (112.4)	3.35 (85)	1.44 (36.5)	1.44 (36.5)
15CF8P-30			30						
15CF8P-56			56						
15CF12P-5	15,200 (1,050)	0.685 (17.4)	5	3/4" NPT	6.14 (3,690)	6.57 (66.94)	5.12 (130)	2.00 (50.8)	2.00 (50.8)
15CF12P-30			30						
15CF12P-56			56						
15CF16P-5	15,200 (1,050)	0.685 (17.4)	5	1" NPT	6.14 (3,690)	6.77 (171.9)	5.31 (135)	2.00 (50.8)	2.00 (50.8)
15CF16P-30			30						
15CF16P-56			56						

It is recommended that all fluids entering a high pressure system be thoroughly cleaned.

Maximator filters are designed to remove small amounts of process particles. Pressure differential should not exceed 1000 psi across the filter elements.

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