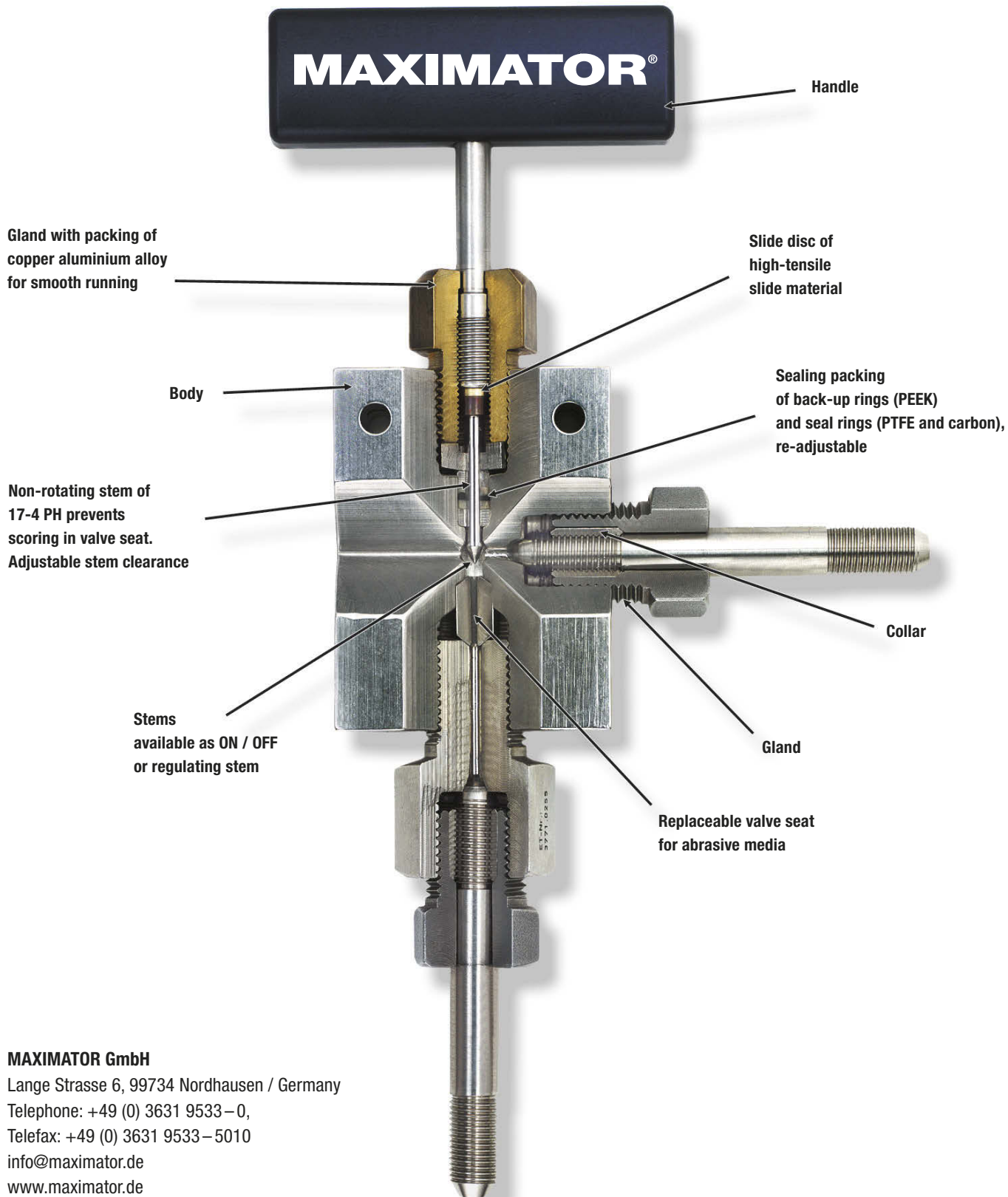


Valve cross sections

Based on decades of experience in the field of high pressure technology MAXIMATOR manufactures valves and fittings for the oil and gas industry, chemical and petrochemical industry, water-jet cutting, power systems and test bench manufacture.



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Pipe Valves

» Pressures to 15,200 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 1°F (-17°C) and 450°F (230°C). By use anaerobic sealants follow the instruction of the Sealant-Manufacturer

* tapered tip for regulating and shut-off

** 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.

All technical and dimensional information subject to change. All general Terms and Conditions of sale, including limitations of our liability, apply to all products and services sold.

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

Products for Sour
Gas Applications

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

Adapters and
Couplings

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

Accessories

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

Tools

Valve Actuators

Technical
Information

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

Customized
Solutions

Valves, Fittings and Tubing

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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 and Fittings to 15,200 psi (1,050 bar)

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.

» Sizes 1/4, 3/8, 1/2, 3/4 and 1 inch NPT Connection



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

A complete line of medium pressure valves, fittings, tubing, check valves, line filters, angle filters, anti-vibration fittings and safety head assemblies are available through our catalog.

» Sizes 1/4, 3/8, 9/16, 3/4, 1 and 1 1/2 inch Medium Pressure Connection

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

Whatever your high pressure needs, MAXIMATOR is the source. We supply a complete line of high pressure valves, fittings, tubing, check valves, line filters, angle filters, anti-vibration fittings and safety head assemblies.

» Sizes 1/4, 3/8 and 9/16 inch High Pressure Connection, 1" Medium Pressure Connection (43,000 psi)



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

In addition to our medium and high pressure lines, we are proud to offer a complete line of ultra high pressure valves, fittings and tubing.

» Size 1/4, 3/8 and 9/16 High Pressure Connection (up to 101,000 psi); 5/16 inch Ultra High Pressure Connection



Valve Actuators

Piston type, air operated, valve actuators are also available from MAXIMATOR. They are mounted on a standard manual valve to provide remote control capability. There are different air to open and air to close actuators available, and selection is based on the valve size, system pressure, and air pressure available.

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

MAXIMATOR offers ball valves of exceptional quality and performance with a variety of valve styles and process connections. Please consult the Valves, Fittings & Tubing catalog for availability.

» 2-Way Ball Valves- 1/4" up to 1/2" Orifice, 3-Way Ball Valves- 3/16" up to 1/2" Orifice, Pneumatic and Electric Actuators



Couplings and Adapters

Joining two different sizes and/or types of connections is easy with the couplings and adapters offered by MAXIMATOR. Now a variety of size combinations are possible!

Tools & Installation

Precise tools are necessary for manually coning and threading tubing. MAXIMATOR offers these tools, allowing for the coning and threading of medium and high pressure tubing up to 9/16" O.D.



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