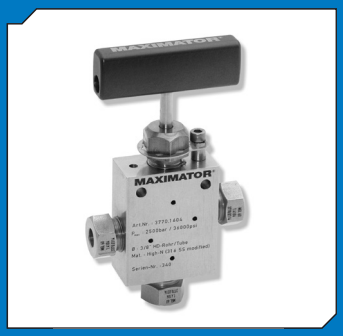

High Pressure Valves, Fittings and Tubing

Pressures to 65,000 psi

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.

High Pressure Valves feature:

- Rising stem design.
- 316SS wetted parts with a 17-4 PH stem provides 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.
- Safety weep holes for all pressure connections and packing area.
- Six different valve body patterns, with choice of vee or regulating type stem tip.

MAXPRO offers a complete line of high pressure fittings, tubing, check valves, line filters, anti-vibration fittings and safety head assemblies. All high pressure valves and fittings use the high pressure style connection.

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

High Pressure Index

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MT R7 1118

MAXPRO® TECHNOLOGIES

Printed in the USA

High Pressure Valves
Pressures to 36,000 psi

MAXPRO® TECHNOLOGIES
www.maxprotech.com

MAXIMATOR high pressure 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, max. pressure, material number, type designation). All high pressure valves include glands and collars.

O.D. Size (in.)	Connection Type	Orifice Size (in.)	Rated Cv*	Pressure/Temp. Rating (psi @ R.T.)**
1/4	4HF	0.094	0.12	36,000
3/8	6HF	0.125	0.23	36,000
9/16	9HF	0.125	0.33	36,000

* *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.*

Ordering Information

Typical catalog number: **36V4H071**

36V	4H	07	1	OPTIONS
Valve Series	O.D. Tube Size	Stem Type	Body Pattern	Extreme temperature option, see below.
36V	**4H** – 1/4" **6H** – 3/8" **9H** – 9/16"	**07** – VEE stem **08** – regulating stem (tapered tip for regulating and shutoff) **87** – VEE stem with replaceable seat **88** – regulating stem with replaceable seat	**1** – two-way straight **2** – two-way angle **3** – three-way, two on pressure **4** – three-way, one on pressure **5** – three-way, two-stem manifold	

Special Designs for Extreme Temperatures

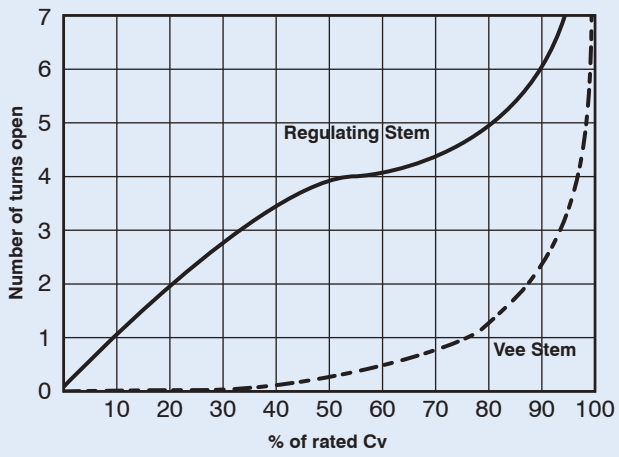
Standard valves are supplied with Teflon/Carbon packing and may be operated to 450°F. High temperature packing and/or extended stuffing box are available for service from -423°F to 1200°F by adding the following suffixes to catalog order number.

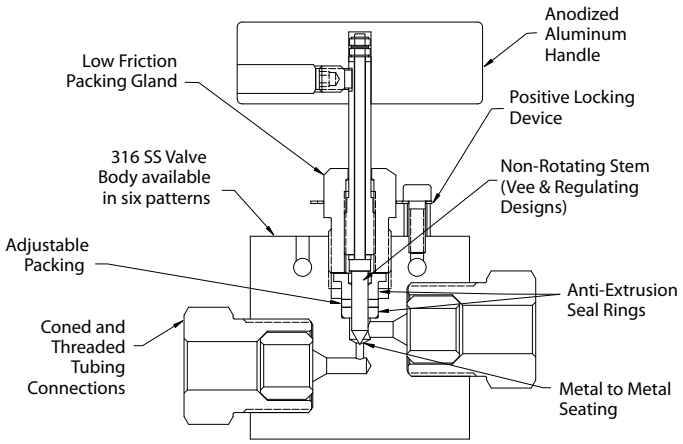
- **- TG** standard valve with teflon glass packing to 600°F.
- **- GY** standard valve with graphite braided yarn packing to 800°F.
- **- HT** extended stuffing box valve with graphite braided yarn packing to 1200°F.
- **- B** standard valve with cryogenic trim materials and teflon packing to -100°F.
- **- LT** entended stuffing box valve with teflon packing and cryogenic trim materials to -423°F.

Repair Kits

Consult your **MAXPRO** representative for repair kits and valve bodies. Refer to the Tools and Installation section for proper maintenance procedures.

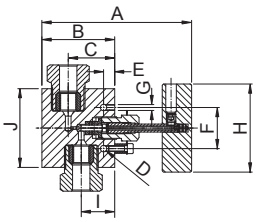
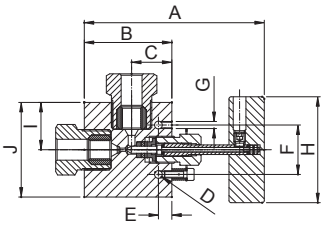
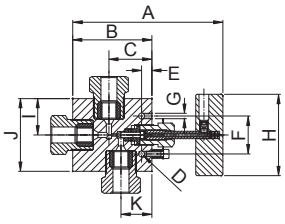
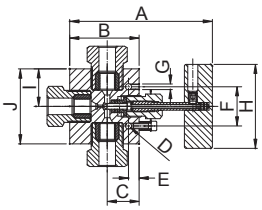
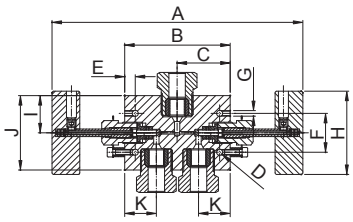
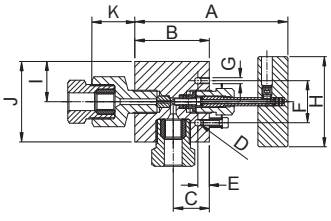
Flow Coefficient Reference Curves (Cv)





Valve Shown: 36V9H071

High Pressure Valves
Pressures to 36,000 psi

Valve Pattern	Catalog Number	Stem Type	O.D. Tube (in.)	Orifice (in.)	Dimensions (in.) A	B	C	D	E	F	H	I	J	K	Valve Panel Hole	Block Thickness
2-Way Straight																
	36V4H071	Vee	1/4	0.094	4.96	2.01	1.50	0.22	0.37	1.38	2.95	1.12	2.01		1.00	1.02
	36V4H081	Reg														
	36V6H071	Vee	3/8	0.125	4.96	2.01	1.50	0.22	0.37	1.38	2.95	1.12	2.01		1.00	1.02
	36V6H081	Reg														
	36V9H071	Vee	9/16	0.125	5.00	2.44	1.56	0.22	0.37	1.38	2.95	1.12	2.64		1.00	1.54
	36V9H081	Reg														
2-Way Angle																
	36V4H072	Vee	1/4	0.094	4.96	2.01	1.12	0.22	0.37	1.38	2.95	1.00	2.01		1.00	1.02
	36V4H082	Reg														
	36V6H072	Vee	3/8	0.125	4.78	2.20	1.10	0.22	0.37	1.38	2.95	1.00	2.01		1.00	1.02
	36V6H082	Reg														
	36V9H072	Vee	9/16	0.125	5.00	2.44	1.12	0.22	0.37	1.38	2.95	1.32	2.64		1.00	1.54
	36V9H082	Reg														
3-Way / 2 on Pressure																
	36V4H073	Vee	1/4	0.094	4.69	2.13	1.50	0.22	0.37	1.38	2.95	1.00	2.01	1.12	1.00	1.02
	36V4H083	Reg														
	36V6H073	Vee	3/8	0.125	5.08	2.50	1.50	0.22	0.37	1.38	2.95	1.00	2.01	1.12	1.00	1.02
	36V6H083	Reg														
	36V9H073	Vee	9/16	0.125	5.45	2.87	1.56	0.22	0.37	1.38	2.95	1.32	2.64	1.12	1.00	1.54
	36V9H083	Reg														
3-Way / 1 on Pressure																
	36V4H074	Vee	1/4	0.094	4.96	2.01	1.12	0.22	0.37	1.38	2.95	1.00	2.01		1.00	1.02
	36V4H084	Reg														
	36V6H074	Vee	3/8	0.125	4.76	2.20	1.12	0.22	0.37	1.38	2.95	1.00	2.01		1.00	1.02
	36V6H084	Reg														
	36V9H074	Vee	9/16	0.125	5.00	2.44	1.12	0.22	0.37	1.38	2.95	1.32	2.64		1.00	1.54
	36V9H084	Reg														
3-Way / 2-Stem Manifold																
	36V4H075	Vee	1/4	0.094	8.23	3.07	1.54	0.22	0.37	1.38	2.95	1.00	2.01	1.12	1.00	1.02
	36V4H085	Reg														
	36V6H075	Vee	3/8	0.125	8.39	3.25	1.61	0.22	0.37	1.38	2.95	1.00	2.01	1.12	1.00	1.02
	36V6H085	Reg														
	36V9H075	Vee	9/16	0.125	8.90	3.74	1.88	0.22	0.37	1.38	2.95	1.32	2.64	1.12	1.00	1.54
	36V9H085	Reg														
2-Way Angle / Replaceable Seat																
	36V4H872	Vee	1/4	0.094	4.96	2.38	1.12	0.22	0.37	1.38	2.95	1.00	2.01	0.90	1.00	1.02
	36V4H882	Reg														
	36V6H872	Vee	3/8	0.125	4.96	2.38	1.12	0.22	0.37	1.38	2.95	1.00	2.01	1.15	1.00	1.02
	36V6H882	Reg														
	36V9H872	Vee	9/16	0.125	5.00	2.44	1.18	0.22	0.37	1.38	2.95	1.32	2.64	1.48	1.00	1.54
	36V9H882	Reg														

G - Panel mounting screw thread size 10-24 UNC.

All dimensions are for reference only and subject to change.