

High Pressure Valves

Pressures to 65,000 psi



Ordering Information

Typical catalog number: **65V4H071**

65V	4H	07	1	OPTIONS
Valve Series	O.D. Tube Size	Stem Type	Body Pattern	Extreme temperature option, see below.
65V	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** extended 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.

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.

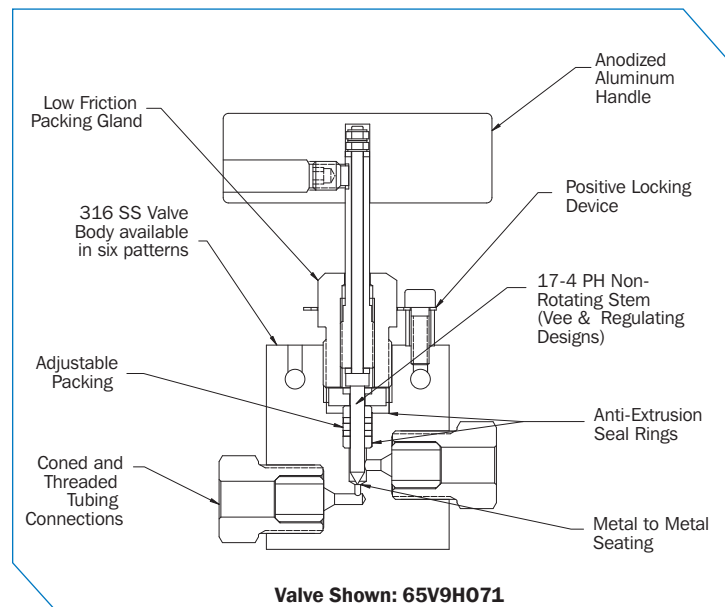
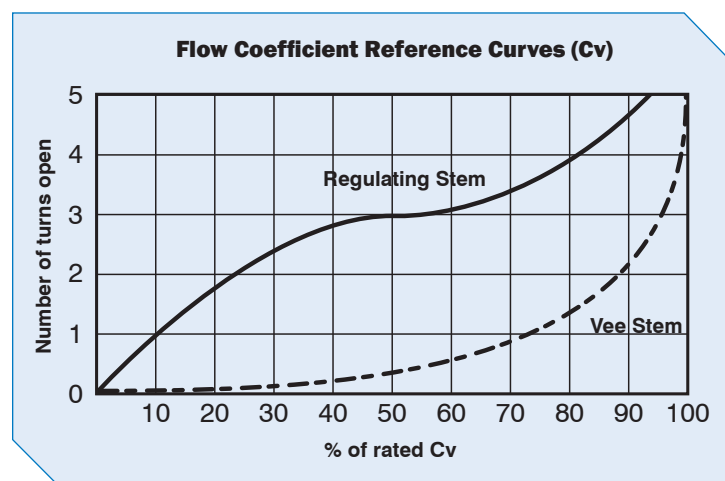
Traceability is ensured through extensively documented data (batch number, maximum pressure, material number, type designation). All high pressure valves include glands and collars.

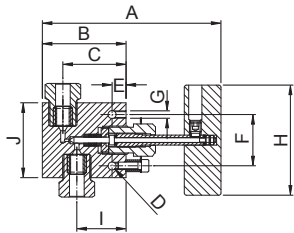
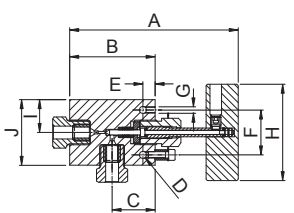
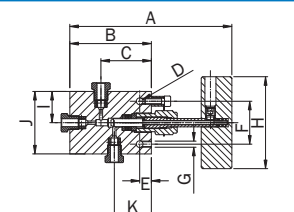
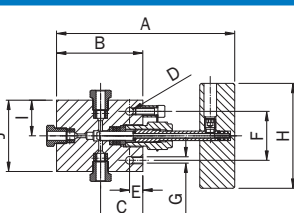
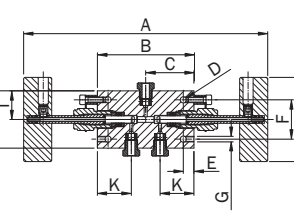
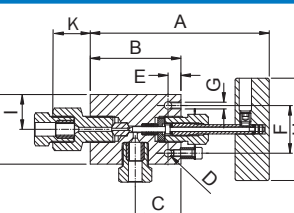
O.D. Size (in.)	Connection Type	Orifice Size (in.)	Rated Cv*	Pressure/Temp. Rating (psi @ R.T.)**
1/4	4HF	0.062	0.08	65,000
3/8	6HF	0.062	0.09	65,000
9/16	9HF	0.078	0.14	65,000

* 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.



Valve Pattern	Catalog Number	Stem Type	O.D. Tube (in.)	Orifice (in.)	Dimensions (in.)										Valve Panel Hole	Block Thickness
					A	B	C	D	E	F	H	I	J	K		
2-Way Straight																
	65V4H071	Vee	1/4	0.062	4.67	2.13	1.69	0.22	0.37	1.38	2.95	1.32	2.01		1.00	1.02
	65V4H081	Reg														
	65V6H071	Vee	3/8	0.062	4.80	2.24	1.69	0.22	0.37	1.38	2.95	1.32	2.01		1.00	1.02
	65V6H081	Reg														
	65V9H071	Vee	9/16	0.078	5.04	2.50	1.75	0.22	0.37	1.38	2.95	1.30	2.64		1.00	1.54
	65V9H081	Reg														
2-Way Angle																
	65V4H072	Vee	1/4	0.062	4.96	2.38	1.34	0.22	0.37	1.38	2.95	1.00	2.01		1.00	1.02
	65V4H082	Reg														
	65V6H072	Vee	3/8	0.062	5.16	2.62	1.32	0.22	0.37	1.38	2.95	1.00	2.01		1.00	1.02
	65V6H082	Reg														
	65V9H072	Vee	9/16	0.078	5.35	2.80	1.32	0.22	0.37	1.38	2.95	1.32	2.64		1.00	1.54
	65V9H082	Reg														
3-Way / 2 on Pressure																
	65V4H073	Vee	1/4	0.062	4.96	2.38	1.69	0.22	0.37	1.38	2.95	1.00	2.01	1.32	1.00	1.02
	65V4H083	Reg														
	65V6H073	Vee	3/8	0.062	5.31	2.76	1.69	0.22	0.37	1.38	2.95	1.00	2.01	1.32	1.00	1.02
	65V6H083	Reg														
	65V9H073	Vee	9/16	0.078	5.71	3.15	1.75	0.22	0.37	1.38	2.95	1.32	2.64	1.30	1.00	1.54
	65V9H083	Reg														
3-Way / 1 on Pressure																
	65V4H074	Vee	1/4	0.062	4.96	2.38	1.32	0.22	0.37	1.38	2.95	1.00	2.01		1.00	1.02
	65V4H084	Reg														
	65V6H074	Vee	3/8	0.062	5.16	2.62	1.32	0.22	0.37	1.38	2.95	1.00	2.01		1.00	1.02
	65V6H084	Reg														
	65V9H074	Vee	9/16	0.078	5.35	2.80	1.32	0.22	0.37	1.38	2.95	1.32	2.64		1.00	1.54
	65V9H084	Reg														
3-Way / 2-Stem Manifold																
	65V4H075	Vee	1/4	0.062	8.56	3.44	1.72	0.22	0.37	1.38	2.95	1.00	2.01	1.32	1.00	1.02
	65V4H085	Reg														
	65V6H075	Vee	3/8	0.062	8.56	3.76	1.89	0.22	0.37	1.38	2.95	1.00	2.01	1.32	1.00	1.02
	65V6H085	Reg														
	65V9H075	Vee	9/16	0.078	9.25	4.13	2.07	0.22	0.37	1.38	2.95	1.32	2.64	1.30	1.00	1.54
	65V9H085	Reg														
2-Way Angle / Replaceable Seat																
	65V4H872	Vee	1/4	0.062	5.16	2.62	1.32	0.22	0.37	1.38	2.95	1.00	2.01	0.83	1.00	1.02
	65V4H882	Reg														
	65V6H872	Vee	3/8	0.062	5.16	2.62	1.32	0.22	0.37	1.38	2.95	1.00	2.01	1.07	1.00	1.02
	65V6H882	Reg														
	65V9H872	Vee	9/16	0.078	5.16	2.62	1.32	0.22	0.37	1.38	2.95	1.32	2.64	1.47	1.00	1.54
	65V9H882	Reg														

G - Panel Mounting Screw Thread Size 10-24 UNC.

All dimensions are for reference only and subject to change.