

VALVE SERIES 30VM PRESSURES TO 30,000 PSI

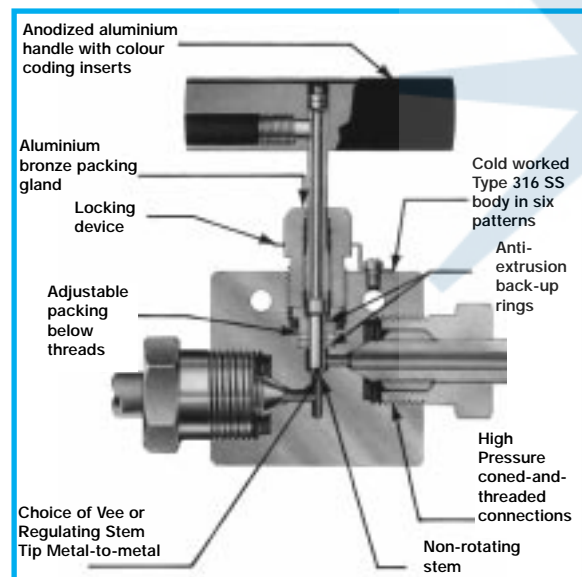
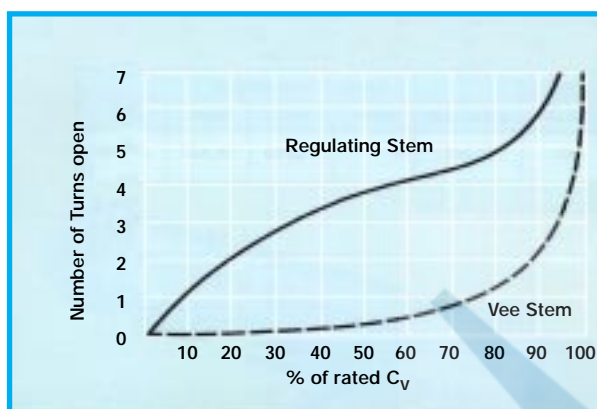
O.D. Size Inches	Connection Type	Orifice Size Inches	Rated C _v *	Pres./Temp. Rating psi @R.T.
1/4	F250C	0.094	0.12	30,000
3/8	F375C	0.125	0.23	30,000
9/16	F562C	0.125	0.33	30,000

Notes:

* C_v values shown are for 2-way straight valve pattern. For 2-way angle patterns, increase C_v value 50%.



Generalised Flow Coefficient Curves (C_v)



Ordering Procedure

30VM Series valves are furnished complete with connection components, unless otherwise specified. Typical catalogue number: **30VM4071**.

30VM	4	07	1	Options
Valve Series	O.D. Tube Size	Stem Type	Body Pattern	Options
	4 - 1/4" 6 - 3/8" 9 - 9/16"	07 - non-rotating VEE stem (on-off service) 08 - non-rotating regulating stem (tapered tip for regulating and shut off) 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 valve	Extreme temperature option, see below.

Valve Options

Extreme temperatures. Standard AE valves with Teflon packing 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 catalogue 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.

Valve Maintenance

Repairs Kits: add "R" to the front of valve catalogue number for proper repair kit. Eg. **R30VM4071**

Valve Bodies: add "VB" to the end of valve catalogue number for correct valve body. Eg. **30VM4071VB**

2-WAY STRAIGHT

Catalog Number	Stem Type	O.D. Tube (inches)	Ori- fice (inches)	Dimensions (inches)											Block Thick- ness	Valve Pattern	
				A	B	C	D	D ₁	E	F	G	G ₁	H*	M			N
30VM4071	Vee	1/4	0.094	2.00	1.00	0.50	1.50	1.12	2.00	3.00	1.00	0.22	4.38	0.69	0.38	1.00	
30VM4081	Reg			2.00	1.00	0.50	1.50	1.12	2.00	3.00	1.00	0.22	4.38	0.69	0.38	1.00	
30VM6071	Vee	3/8	0.125	2.00	1.00	0.53	1.50	1.12	2.00	3.00	1.00	0.22	4.38	0.69	0.38	1.00	
30VM6081	Reg			2.00	1.00	0.53	1.50	1.12	2.00	3.00	1.00	0.22	4.38	0.69	0.38	1.00	
30VM9071	Vee	9/16	0.125	2.62	1.31	0.81	1.56	1.12	2.44	3.00	1.00	0.28	4.81	0.69	0.38	1.50	
30VM9081	Reg			2.62	1.31	0.81	1.56	1.12	2.44	3.00	1.00	0.28	4.81	0.69	0.38	1.50	

G - Packing gland mounting hole drill size

G₁ - Bracket mounting hole size

Panel mounting drill size: 0.22" all valves

All dimensions for reference only and subject to change.

*Height to top of stem. Handle add approximately 3/16".

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PLEASE SEE FOLLOWING PAGES FOR FURTHER DETAILS

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