

# VALVE SERIES 30VM

## PRESSURES TO 30,000 PSI

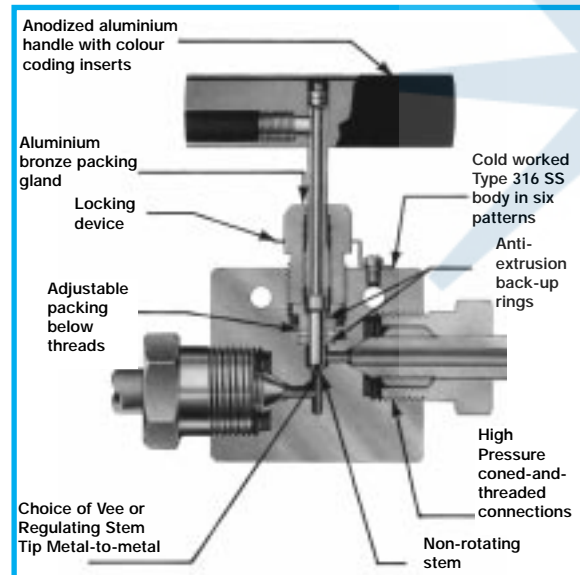
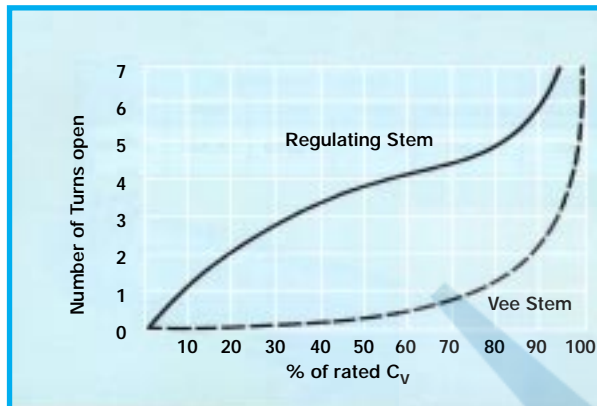
O.D. Size Inches	Connection Type	Orifice Size Inches	Rated $C_v^*$	Pres./Temp. Rating psi @R.T.
1/4	F250C	0.094	0.12	30,000
3/8	F375C	0.125	0.23	30,000
9/16	F562C	0.125	0.33	30,000

### 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"	07 - non-rotating VEE stem (on-off service)	1 - two-way straight	Extreme temperature option, see below.
	6 - 3/8"	08 - non-rotating regulating stem (tapered tip for regulating and shut off)	2 - two-way angle	
	9 - 9/16"	87 - Vee stem with replaceable seat	3 - three-way, two on pressure	
		88 - Regulating stem with replaceable seat	4 - three-way, one on pressure	
			5 - three-way, two-stem manifold valve	

### 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 ANGLE

Catalog Number	Stem Type	O.D. Tube (inches)	Orifice (inches)	Dimensions (inches)												Block Thickness	Valve Pattern
				A	B	C	D	D <sub>1</sub>	E	F	G	G <sub>1</sub>	H*	M	N		
30VM4072	Vee	1/4	0.094	2.00	1.00	0.50	1.12		2.00	3.00	1.00	0.22	4.38	0.69	0.38	1.00	
30VM4082	Reg			2.00	1.00	0.53	1.12		2.12	3.00	1.00	0.22	4.50	0.69	0.38	1.00	
30VM6072	Vee	3/8	0.125	2.00	1.00	0.53	1.12		2.12	3.00	1.00	0.22	4.50	0.69	0.38	1.00	
30VM6082	Reg			2.00	1.00	0.53	1.12		2.12	3.00	1.00	0.22	4.50	0.69	0.38	1.00	
30VM9072	Vee	9/16	0.125	2.62	1.31	0.81	1.12		2.44	3.00	1.00	0.28	4.81	0.69	0.38	1.50	
30VM9082	Reg			2.62	1.31	0.81	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

G<sub>1</sub> - 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".

**BACK TO**

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