

VALVE SERIES 60VM

PRESSURES TO 60,000 PSI

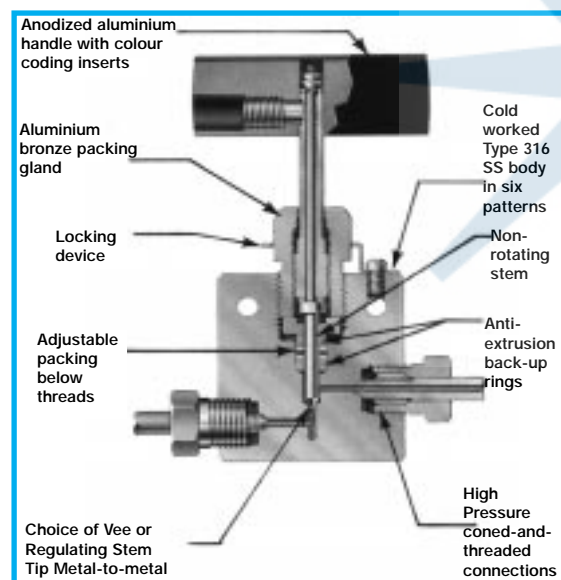
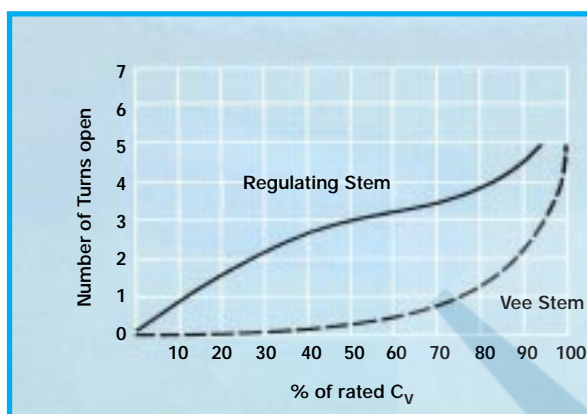
O.D. Size Inches	Connection Type	Orifice Size Inches	Rated C_v^*	Pres./Temp. Rating psi @R.T.
1/4	F250C	0.062	0.08	60,000
3/8	F375C	0.062	0.09	60,000
9/16	F562C	0.078	0.14	60,000

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

60VM Series valves are furnished complete with connection components, unless otherwise specified. Typical catalogue number: **60VM4071**.

60VM	4	07	1	Options	PAGE
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 nylon-leather packing may be operated to 230°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. **R60VM4071**

Valve Bodies: add "VB" to the end of valve catalogue number for correct valve body. Eg. **60VM4071VB**

2-WAY ANGLE

Catalog Number	Stem Type	O.D. Tube (inches)	Orifice (inches)	Dimensions (inches)												Block Thickness	Valve Pattern
				A	B	C	D	D ₁	E	F	G	G ₁	H*	M	N		
60VM4072	Vee Reg	1/4	0.062	2.00	1.00	0.50	1.69		2.38	3.00	1.00	0.22	4.75	0.69	0.38	1.00	
60VM4082	Vee Reg	1/4	0.062	2.00	1.00	0.50	1.69		2.38	3.00	1.00	0.22	4.75	0.69	0.38	1.00	
60VM6072	Vee Reg	3/8	0.062	2.00	1.00	0.53	1.69		2.62	3.00	1.00	0.22	5.00	0.69	0.38	1.00	
60VM6082	Vee Reg	3/8	0.062	2.00	1.00	0.53	1.69		2.62	3.00	1.00	0.22	5.00	0.69	0.38	1.00	
60VM9072	Vee Reg	9/16	0.078	2.62	1.31	0.72	1.75		2.81	3.00	1.00	0.28	5.19	0.69	0.38	1.50	
60VM9082	Vee Reg	9/16	0.078	2.62	1.31	0.72	1.75		2.81	3.00	1.00	0.28	5.19	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 CATALOGUE

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