

## HIGH PRESSURE MANUAL METERING VALVE

# FLOW CONTROL TYPE

## FEATURES

- Precisely tapered valve stem accurately controls flow
- 316L forged body construction
- Panel or in-line mounting
- IN-line pattens
- Valve stem thread not in contact with process fluid
- Optional handle

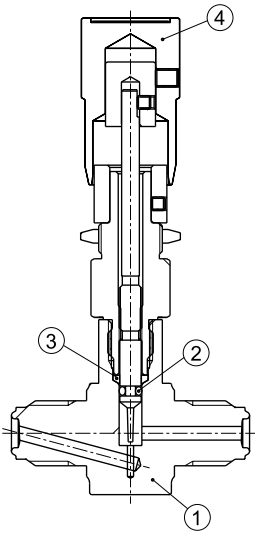


## MAJOR SPECIFICATIONS

Size	1/4"
Cv Value	0.03
Stem Taper	3°
Tums to Open	9+/-1
Orifice Size	1.35mm
Max. Working Pressure (G.)	6.89MPa
Max. Working Temp.	-10°C ~ 150°C
External Leakage Allowance (He) Test Pressure $\leq 1 \times 10^{-2}$ Torr Holding Time $\geq 1$ min.	$1 \times 10^{-10}$ Pa · m <sup>3</sup> /s
Particle Inspection (EP only) Pressure : 60~80psi N <sub>2</sub> Gas Sample Volume : 1CFM 0.1 $\mu$ m and Larger	No count

## PRODUCT GRADE

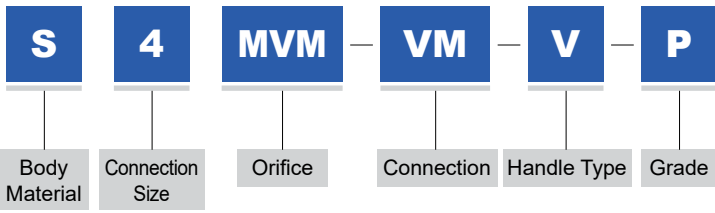
GRADE	AP	BA	EP
Inner Surface Roughness	Ry $\leq 25\mu$ m Cut off Length : 2.5mm Measuring Length : 12.5mm	Ry $\leq 3.0\mu$ m 10 $\mu$ inch Ra(Avg.) Cut off Length : 0.8mm Measuring Length : 4mm	Ry $\leq 0.7\mu$ m 5 $\mu$ inch Ra(Avg.) Cut off Length : 0.25mm Measuring Length : 1.25mm
Polishing	Machining Finish	Machining Finish	Electro Polishing Finish



### MATERIAL

NO.	NAME	MATERIAL
1	Body	316L Stainless Steel 316L Stainless Steel VAR
2	O-Ring	FKM
3	Grand Ring	Teflon
4	Handle	Aluminum

### ORDERING INFORMATION



MATERIAL	SIZE	ORIFICE	CONNECTION	HANDLE TYPE	GRADE
S 316L Stainless Steel	4 1/4"	MVM 1.35	VM MFS Male SW Lok	K Knurled KS Knurled with Slot V Vernier	AP AP Grade BLANK BA Grade P EP Grade

MODEL	CONNECTION	A	B	C	D	E	F	G
	MFS Male	52.4	13.5	38.4	91	21.6	4.5	
	Lok	60.6	13.5	38.4	91	21.6	4.5	46.3