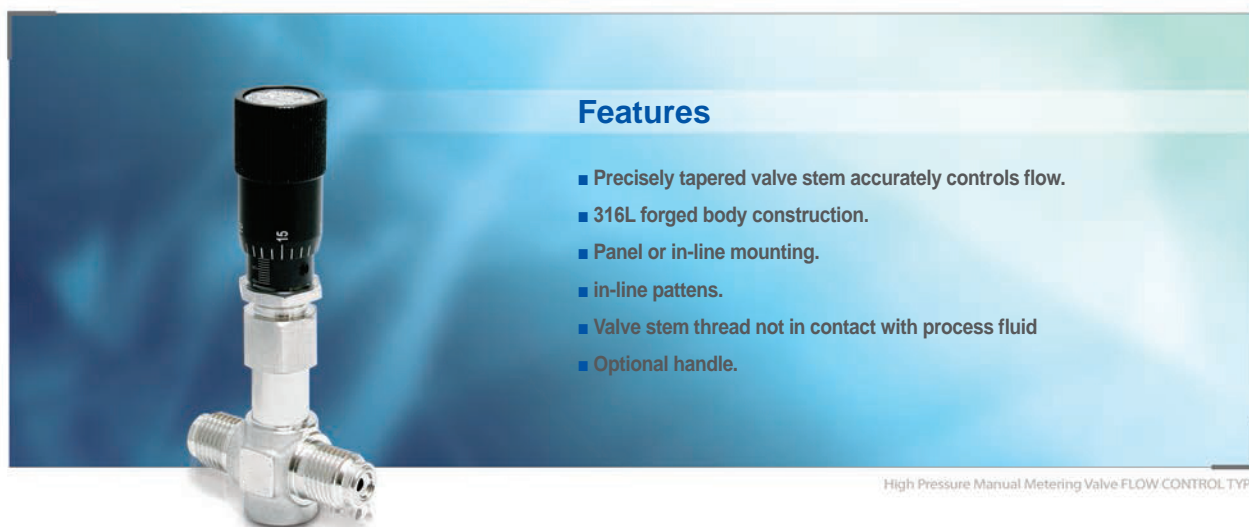


# High Pressure Manual Metering Valve

## FLOW CONTROL TYPE



### Features

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

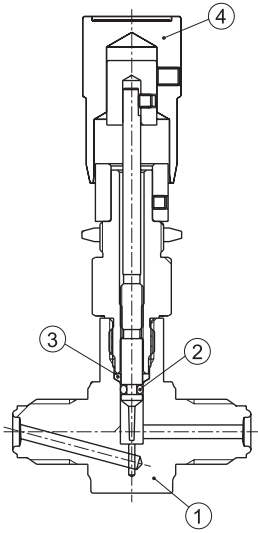
High Pressure Manual Metering Valve FLOW CONTROL TYPE

### 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.	-32°C ~ 204°C
External Leakage Allowance (He) Test Pressure $\leq 1 \times 10^{-2}$ Torr Holding Time $\geq 1$ min.	$1 \times 10^{-10} \text{Pa} \cdot \text{m}^3/\text{s}$
Particle Inspection (EP only) Pressure : 60~80psi N <sub>2</sub> Gas Sample Volume : 1CFM 0.1 $\mu\text{m}$ and Larger	No count

### Product Grade

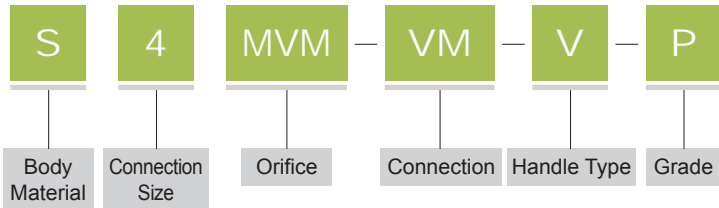
GRADE	AP	BA	EP
Inner Surface Roughness	Ry $\leq 25 \mu\text{m}$ Cut off Length : 2.5mm Measuring Length : 12.5mm	Ry $\leq 3.0 \mu\text{m}$ 10 $\mu$ inch Ra(Avg.) Cut off Length : 0.8mm Measuring Length : 4mm	Ry $\leq 0.7 \mu\text{m}$ 5 $\mu$ inch Ra(Avg.) Cut off Length : 0.25mm Measuring Length : 1.25mm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



### Material

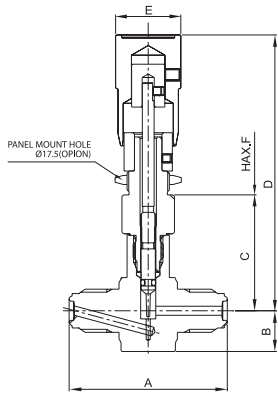
NO.	NAME	MATERIAL
1	Body	316L Stainless steel
2	O-Ring	VITON
3	Grand Ring	TEFLON
4	Handle	ALUMINUM

### Ordering Number

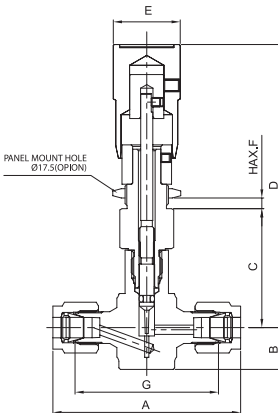


MATERIAL	SIZE	ORIFICE	CONNECTION	HANDLE TYPE	GRADE
S 316L Stainless steel	4 1/4"	MVM 1.35	VM MFS Male SW Lok	K Knurled KS Knurled with Slot V Vernier	AP AP Grade BLANK BA Grade P EP Grade

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