

LOW PRESSURE METAL DIAPHRAGM METERING VALVE

FLOW CONTROL TYPE

FEATURES

- Metal diaphragm metering valve
- Cv range from 0.25
- Valve for use in temperatures of up to 150°C
- Permanently heat code laser marked;
material traceable to original millcertificate of test

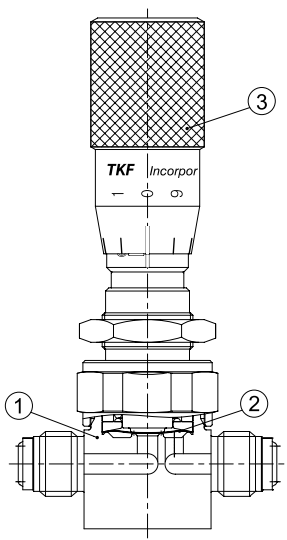


MAJOR SPECIFICATIONS

Size	1/4"
Cv Value	0.25
Orifice Size	4.5mm
Max. Working Pressure (G.)	1MPa
Max. Working Temp.	-10°C ~ 150°C
External Leakage Allowance (He)	
Test Pressure $\leq 1 \times 10^{-2}$ Torr	1×10^{-10} Pa · m ³ /s
Holding Time ≥ 1 min.	
Particle Inspection (EP only)	
Pressure : 60~80psi N ₂ Gas	No count
Sample Volume : 1CFM	
0.1 μ m and Larger	

PRODUCT GRADE

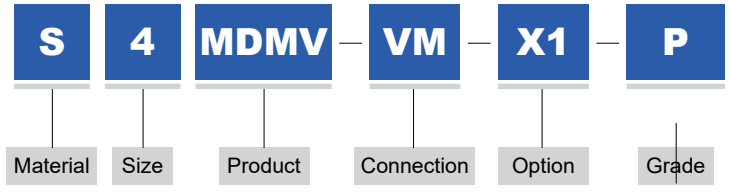
GRADE	AP	BA	EP
Inner Surface Roughness	Ry $\leq 25\mu$ m Cut off Length : 2.5mm Measuring Length : 12.5mm	Ry $\leq 3.0\mu$ m 10 μ inch Ra(Avg.) Cut off Length : 0.8mm Measuring Length : 4mm	Ry $\leq 0.7\mu$ m 5 μ inch Ra(Avg.) Cut off Length : 0.25mm Measuring Length : 1.25mm
Polishing	Machining Finish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



MATERIAL

NO.	NAME	MATERIAL
1	Body	316L Stainless Steel 316L Stainless Steel VAR
2	Diaphragm	Ni-Co Alloy
3	Handle	Aluminum

ORDERING INFORMATION



MATERIAL	SIZE	CONNECTION	GRADE
S 316L Stainless Steel	4 1/4"	VM MFS Male	P EP Grade
D 316L Stainless Steel VAR		VF MFS Female	

STANDARD MODEL	CONNECTION	SIZE	A	B	C	D	E	F
	MFS Male	1/4"	57	14.3 11	118.2 119.3	25	26	25.4
	MFS Female	1/4"	70.6	14.3 11	118.2 119.3	25	26	25.4