

LOW PRESSURE FULL FLOW MANUAL BELLOWS VALVE

Y TYPE

FEATURES

- Achieved large Cv value
- Inner surface has uniform surface roughness
- The valve seat is designed to produce less dust and gas residue
- Cast steel valves suitable for works demanding strength, shock resistance, elongation and heat resistance(40A~200A)

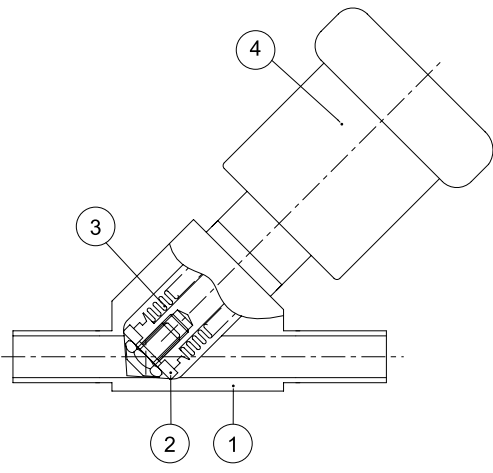


MAJOR SPECIFICATIONS

Size	1/2"	3/4"	1"
Cv Value	17	23	38
Max. Working Pressure (G.)	1MPa		
Max. Working Temp.	-10°C ~ 80°C		
Internal Leakage Allowance (He) Test Pressure $\leq 1 \times 10^{-2}$ Torr Holding Time ≥ 30 sec.	4x10 ⁻⁶ Pa · m ³ /s		1x10 ⁻⁶ Pa · m ³ /s
External Leakage Allowance (He) Test Pressure $\leq 1 \times 10^{-2}$ Torr Holding Time ≥ 1 min.	4x10 ⁻⁶ Pa · m ³ /s		1x10 ⁻⁶ Pa · m ³ /s
Particle Inspection (EP only) Pressure : 60~80psi N ₂ Gas Sample Volume : 1CFM 0.1μm and Larger	No count		No count

PRODUCT GRADE

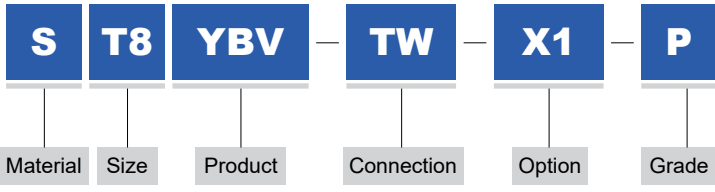
GRADE	AP	BA	EP
Inner Surface Roughness	Ry $\leq 25\mu\text{m}$ Cut off Length : 2.5mm Measuring Length : 12.5mm	Ry $\leq 3.0\mu\text{m}$ 10 μinch Ra(Avg.) Cut off Length : 0.8mm Measuring Length : 4mm	Ry $\leq 0.7\mu\text{m}$ 5 μinch Ra(Avg.) Cut off Length : 0.25mm Measuring Length : 1.25mm
Polishing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



MATERIAL

NO.	NAME	MATERIAL
1	Body	316L Stainless Steel 316L Stainless Steel VAR 304 Stainless Steel
2	Disk	PCTFE / PTFE
3	Bellows	316L Stainless Steel
4	Handle	Aluminum

ORDERING INFORMATION



MATERIAL		SIZE				CONNECTION		GRADE	
S	316L Stainless Steel	T8	1/2"	80	80A	TW	Butt Weld	AP	AP Grade
D	316L Stainless Steel VAR	T12	3/4"	100	100A			BLANK	BA Grade
4S	304 Stainless Steel	T16	1"	125	125A			P	EP Grade
S	SCS16(40A~200A)	40	40A	150	150A				
4S	SCS13(40A~200A)	50	50A	200	200A				
		65	65A						

MODEL	CONNECTION	SIZE	A	B	C	D
	Butt Weld	1/2"	180	8.4	109	52
		3/4"	200	11.5	127	59
	Butt Weld	1"	257	17.7	187	65
	Butt Weld	40A	270	30.5	214.6	125
		50A	340	38.5	251.8	160
	Butt Weld	65A	380	46	315.4	200
		80A	420	54	348.4	200
		100A	520	65	413.1	250
		125A	620	77.5	487.7	300
		150A	720	91	543.1	300
		200A	900	114	676.1	400