

## LOW PRESSURE MANUAL BELLOWS VALVE

## FORGED A TYPE

## FEATURES

- Forged body reduced the total weight
- The valve seat is designed to produce less dust and gas residue
- Handle colors available on request

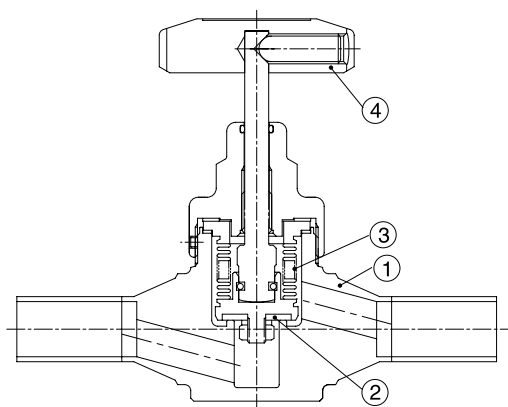


## MAJOR SPECIFICATIONS

Size	15A	1"	20A	25A
<b>Cv Value</b>	2.9	4.1	4.1	6.9
<b>Orifice Size</b>	15mm	19mm	19mm	25mm
<b>Max. Working Pressure (G.)</b>	1MPa			
<b>Max. Working Temp.</b>	-10°C ~ 80°C			
<b>Internal Leakage Allowance (He)</b> Test Pressure $\leq 1 \times 10^{-2}$ Torr Holding Time $\geq 30$ sec.	$1 \times 10^{-6}$ Pa · m <sup>3</sup> /s			
<b>External Leakage Allowance (He)</b> Test Pressure $\leq 1 \times 10^{-2}$ Torr Holding Time $\geq 1$ min.	$1 \times 10^{-6}$ Pa · m <sup>3</sup> /s			
<b>Particle Inspection (EP only)</b> Pressure : 60~80psi N <sub>2</sub> Gas Sample Volume : 1CFM 0.1μm 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 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	PTFE
3	Bellows	316L Stainless Steel
4	Handle	Aluminum

## ORDERING INFORMATION

<b>S</b>	<b>15</b>	<b>ABV</b>	<b>TW</b>	<b>X1</b>	<b>P</b>
Material	Size	Product	Connection	Option	Grade

MATERIAL		SIZE		CONNECTION		GRADE	
S	316L Stainless Steel	15	15A	TW	Butt Weld	AP	AP Grade
D	316L Stainless Steel VAR	T16	1"	FL	Flange(JIS 10K)	BLANK	BA Grade
4S	304 Stainless Steel	20	20A			P	EP Grade
		25	25A				

MODEL	CONNECTION	SIZE	A	B	C	D	E	G	L
	Butt Weld	15A	190	24	131	65	30		
		1"	200	28	143	65	35		
		20A	200	28	143	65	35		
		25A	210	33	161	79	40		

MODEL	CONNECTION	SIZE	A	B	C	D	E	F	G	N-H
	Flange	15A	108	47.5	155	65	95	70	51	4-Ø15
		1"	117	50	165	65	100	75	56	4-Ø15
		20A	117	50	165	65	100	75	56	4-Ø15
		25A	127	62.5	191	79	125	90	67	4-Ø19