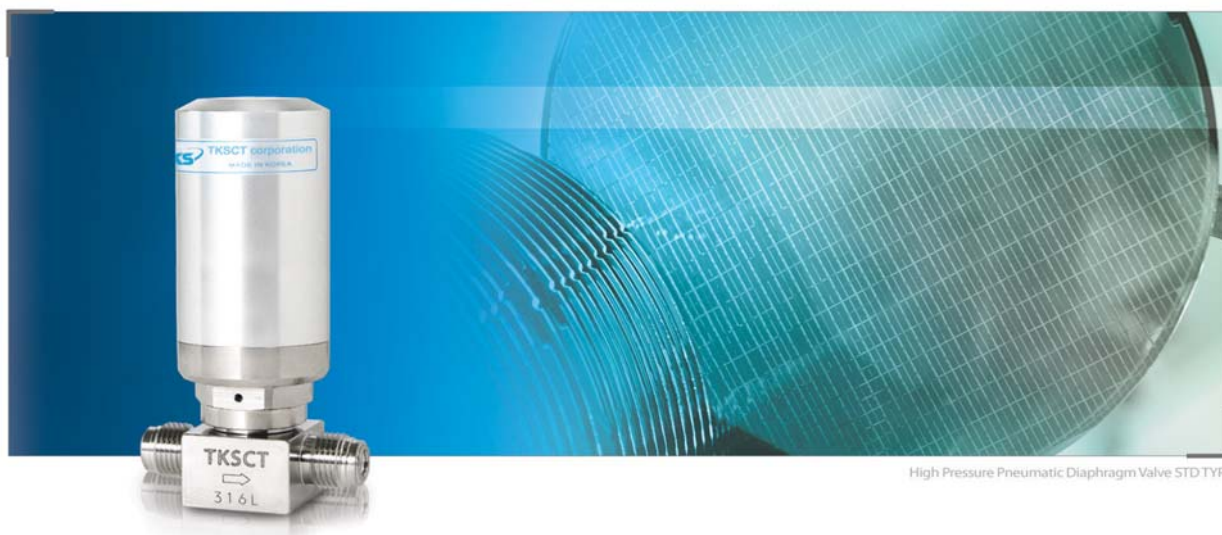


High Pressure Pneumatic Diaphragm Valve

STD TYPE



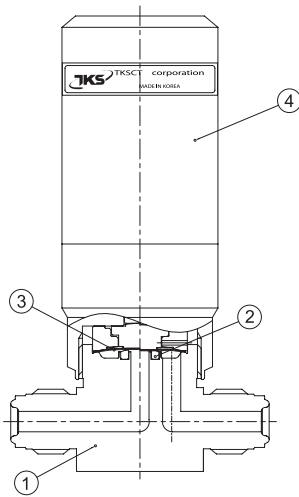
High Pressure Pneumatic Diaphragm Valve STD TYPE

Major Specifications

Size	1/4"
Cv Value	0.1
Orifice Size	2.3mm
Max. Working Pressure (G.)	20.6MPa
Operating Pressure (G.)	0.4~0.6MPa
Max. Working Temp.	-10℃ ~ 40℃
Internal Leakage Allowance (He) Test Pressure $\leq 1 \times 10^{-2}$ Torr Holding Time ≥ 15 sec.	$1 \times 10^{-10} \text{ Pa} \cdot \text{m}^3/\text{s}$
External Leakage Allowance (He) Test Pressure $\leq 1 \times 10^{-2}$ Torr Holding Time ≥ 1 min.	$1 \times 10^{-10} \text{ Pa} \cdot \text{m}^3/\text{s}$
Particle Inspection (EP only) Pressure : 60~80psi N ₂ Gas Sample Volume : 1CFM 0.1 μm and Larger	No count

Product Grade

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



Material

NO.	NAME	MATERIAL
1	Body	Stainless Steel 316L Single Melt Stainless Steel 316L Double Melt Stainless Steel 304
2	Seat	PCTFE
3	Diaphragm	Ni-Co Alloy
4	Actuator	ALUMINUM

Ordering Number

S	4	HPDV	VM	C	X1	P
Material	Size	Product	Connection	Operation Method	Option	Grade

MATERIAL	SIZE	CONNECTION	OPERATION METHOD	GRADE
S Stainless Steel 316L Single Melt	4 1/4"	VM MFS Male	C Normally Close	AP AP Grade
D Stainless Steel 316L Double Melt		VF MFS Female		BLANK BA Grade
4S Stainless Steel 304		SW Lok		P EP Grade
		TW Butt Weld		

MODEL	CONNECTION	A	B	C	D	E	F	G	H	I
	MFS Male	57	11	100.5	34.4	28	25.4	M5	M5	
	MFS Female	70.6	11	100.5	34.4	28	25.4	M5	M5	
	Lok	55	11	100.5	34.4	28	25.4	M5	M5	69.3
	Butt Weld	54	11	100.5	34.4	28	25.4	M5	M5	