

Check Valve

STD TYPE

TKSCT

Check Valve



Features

- Using SUS316L as a material , corrosion resistance is improved.
- All-welded design provides reliable containment of system fluid.
- Conserves panel space.
- Noise free operations.
- Cleanroom assembled and packaged

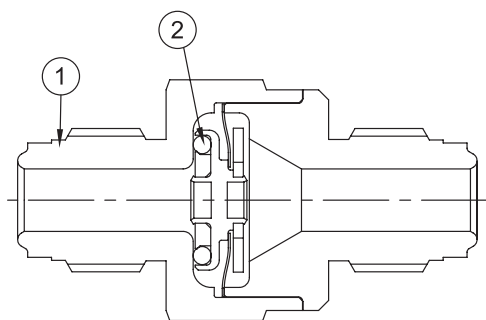
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Major Specifications

Size	1/4"	3/8", 1/2"
Cv Value	0.55	0.7
Max. Working Pressure (G.)	20.6MPa	
Nominal Reseal Pressure (G.)	27.6KPa	
Nominal Cracking Pressure (G.)	13.8KPa	
Max. Working Temp.	-10℃ ~ 80℃	
External Leakage Allowance (He)	1x10 ⁻¹⁰ Pa · cm ³ /s	
Test Pressure ≤ 1×10 ⁻² Torr		
Holding Time ≥ 1 min.		
Particle Inspection (EP only)	No count	
Pressure : 60~80psi N ₂ Gas		
Sample Volume : 1CFM		
0.1μm and Larger		

Product Grade

GRADE	AP	BA	EP
Inner	Ry ≤ 25μm	Ry ≤ 3.0μm	Ry ≤ 0.7μm
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
2	Seal Ring	FPM / NEOPRENE / Kalrez
3	Spring	HASTELLOY C-22

Ordering Number

S	4	CHV1	VM	X1	P
Material	Size	Product	Connection	Option	Grade

MATERIAL		SIZE		CONNECTION		GRADE	
S	Stainless Steel 316L Single Melt	4	1/4"	VM	MFS Male	AP	AP Grade
D	Stainless Steel 316L Double Melt	8	1/2"			BLANK	BA Grade
						P	EP Grade

MODEL	CONNECTION	SIZE	A	B
	MFS Male	1/4"	45.8	22
		1/2"	52.3	27