



不銹鋼超潔淨伸縮囊密封型球型閥 Stainless Steel Ultra-High Purity Bellows Sealed Globe Valve

FIG 39S SERIES



FIG 39S-U

FIG 39S-W

FIG 39S-VT

Applications

- High Purity Gas distribution system control valves
 - Superior containment and cleanliness for your most critical valve applications
- Suitable for inert and most toxic gases

Specification

MAX fluid pressure		0.98MPa (10kgf/cm ² G)
Temperature range		-10~100(°C)
Shell test (GAS:N ₂)		1.47MPa (15kgf/cm ² G)
Air tight & Seat closure test (GAS:N ₂)		1.08MPa (11kgf/cm ² G)
Helium leakage test	External leakage	≤1.01×10 ⁻¹⁰ Pa·m ³ /sec (1×10 ⁻⁹ Atm·cc/sec)
	Leakage across seat	≤1.01×10 ⁻¹⁰ Pa·m ³ /sec (1×10 ⁻⁹ Atm·cc/sec)

Feature

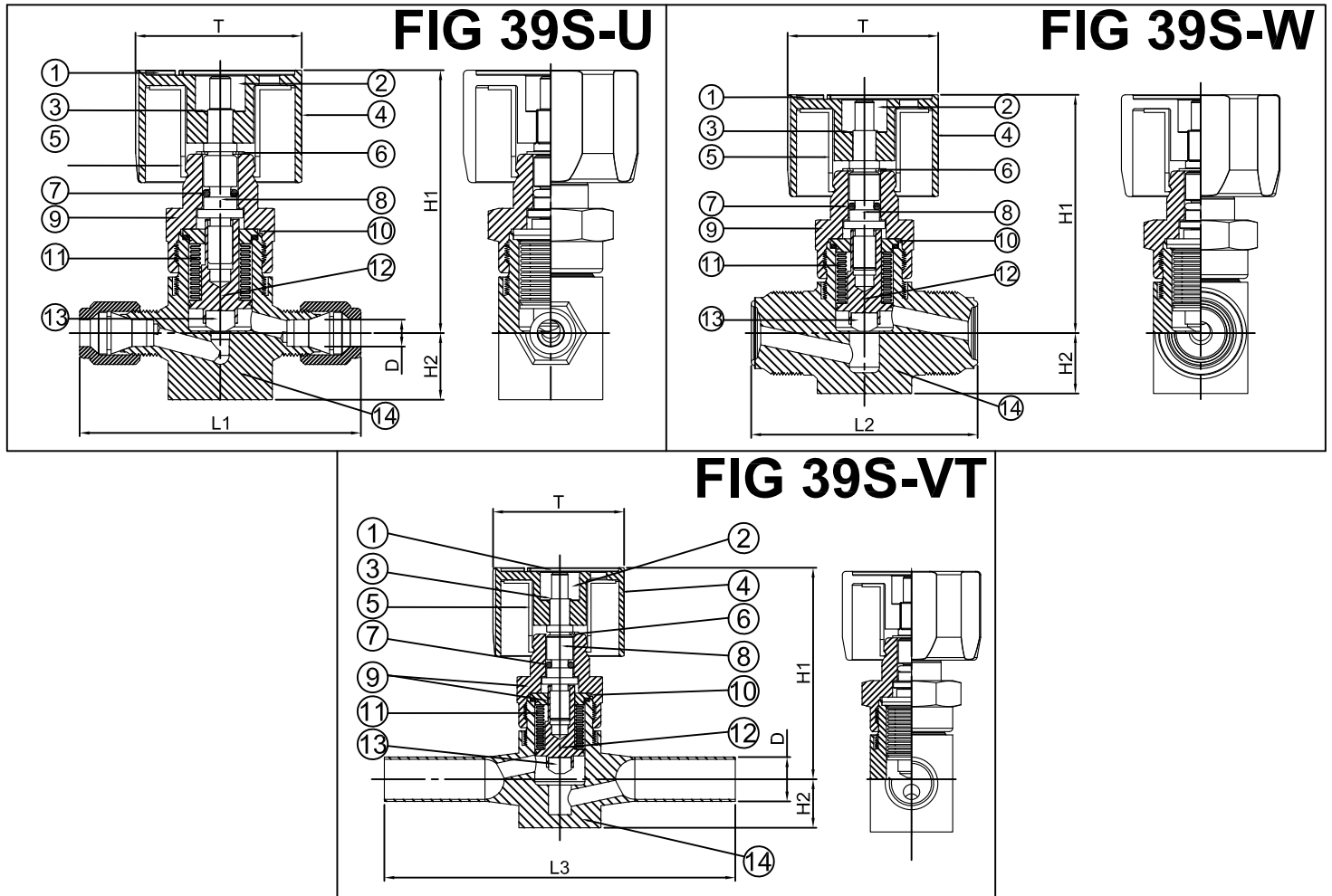
- High Quality SUS316L bellows Design for Ultra- High Purity and Long Cycle Life.
- The standard seat material is PCTFE.
- The straight way type body design provide higher Cv value.
- We offer different grades of inner surface finishes , BA and EP.
BA to 20 Ra,Max (0.50 μ m)
EP to 10 Ra (0.25 μ m)
- Cleaned For High-purity Gas service.
- Assembled and tested in Clean room.
- Leak Test with 100% Helium.
- Different types of connection available. (Face-Seal,compression, Standard Union and Welded Type)
- Optional Purge Connections or Fittings Available.

Technical Data

Model	Connection Size	Orifice Size (mm)	MAX Cv value	Temperature °C	Working Pressure MPa(kgf/cm G)	Office Diameter (mm)	Cv Flow Cpefficient
39S	1/4"	4.5		-10	Vacuum	4.5	0.36
	3/8"	7.0			~	7.0	1.1
	1/2"			100	1 MPa		
	3/4"	12			(10kgf/cm G)		



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Valve Parts List:

Item	Part name	Material	Remarks
1	Handle Cover	Nylon	
2	Stem Nut	St. St. 304	
3	Locking Washer	St. St. 304	
4	Handle	Nylon (Aluminium k series)	
5	Position Indicator	Nylon	
6	Stem Locking Ring	St. St. 304	
7	O-ring	Viton* (fluorocarbon kfm)	
8	Actuator	Sr. St. 316L	
9	Bonnet	St. St. 304	
10	Bonnet Gasket	PCTFE / St. St. 316L	
11	Bellows	St. St. 316L	
12	Stem	St. St. 316L	
13	Stem Tip	PCTFE / (PTFE k series)	
14	Body	St. St. 316L (cast 316 k series)	

Dimensions Table:

Unit : mm

Description	SIZE	D	H	H2	T	W	39S-U	39S-W	39S-VT
							L1	L2	L3
39S-U-4	1/4"	6.35	64	14	40	25	65.0	58.0	150
39S-U-6	3/8"	9.53	71	14	40	25	82.0		150
39S-U-8	1/2"	12.7	71	14	40	25	87.0	60.0	150
39S-U-12	3/4"	19.05	102	22	60	33	101.0	125.0	150