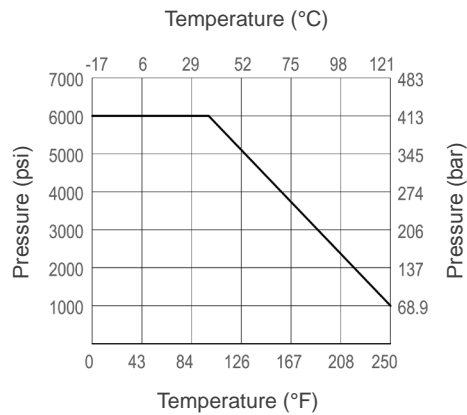


BV635 SERIES

High Pressure Ball Valves

GENTEC® Valves

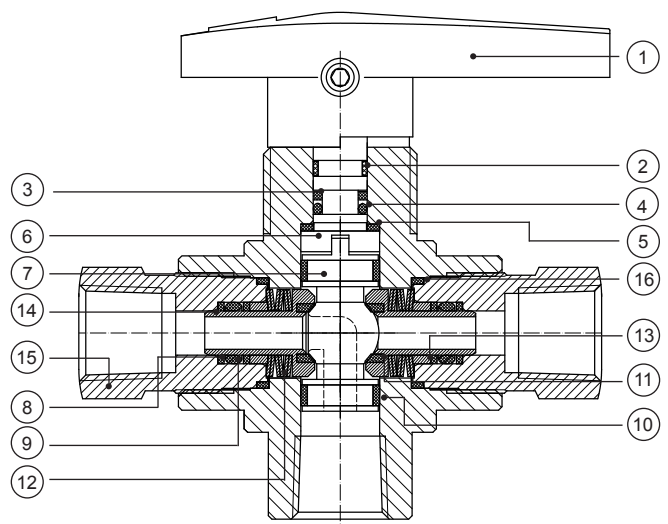


Product Features

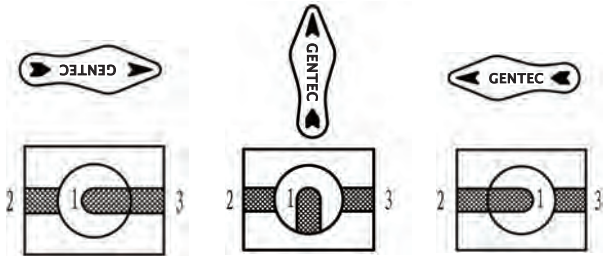
- Maximum operating pressure: 6000 psi (415 bar)
(For pressure limitations under high temperature conditions, refer to pressure-temperature table)
- Operating temperature: 1.4°F ~ 250°F (-17°C ~ 121°C)
- Handle indicates flow direction
- Inlet Connection: 1/4" NPT
Outlet connections: GENLOK and NPT
(please refer to the specification tables for available dimensions)
- Panel mounting available
- Cleaned and degreased for oxygen service according to CGA G-4.1 and ASTM G93 Class C, respectively
- Every valve is factory tested for leakage with nitrogen at 6000 psi

Components	Material
1 Handle	Nylon
2 slip ring	PEEK
3 Stop Collar	Enhanced PTFE
4 O-ring	Fluororubber
5 Spacer	PEEK
6 Upper Valve Stem	316 SS
7 Bottom Valve Stem	316 SS
8 Stop Collar	Enhanced PTFE
9 O-ring	Fluororubber
10 Slip Ring	PEEK
11 Valve Seat	PCTFE/PEEK
12 Resilient Pad	60Si12Mn
13 Stop Collar	316 SS
14 End Threaded Fitting	316 SS
15 Valve Seat Holder	316 SS
16 Seal Ring	PTFE

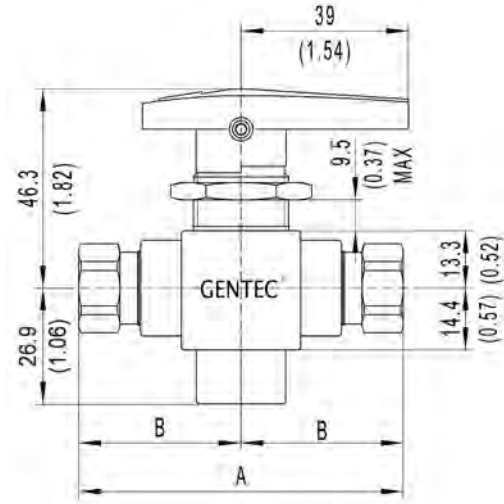
Materials of Construction



Flow Path Designator



Dimensions



Model	Orifice (in.)	CV	Connection Type		Dimension (in.)		Panel Mounting Hole Diameter(in.)
			Inlet	Outlet	A	B	
SS-BV635-FNT4	0.187	1.0	1/4" Female NPT		2.93	1.47	0.91
SS-BV635-FNT2	0.187	1.2	1/4" Female NPT	1/8" Female NPT	2.94	1.47	0.91
SS-BV635-TF4	0.187	1.6	1/4" Female NPT	1/4" GENLOK	4.14	2.07	0.91
SS-BV635-TF6	0.187	1.4	1/4" Female NPT	3/8" GENLOK	4.39	2.19	0.91
SS-BV635-TF8	0.187	1.0	1/4" Female NPT	1/2" GENLOK	4.60	2.30	0.91
SS-BV635-TF6M	0.19	1.6	1/4" Female NPT	6mm GENLOK	4.14	2.07	0.91
SS-BV635-TF8M	0.19	1.5	1/4" Female NPT	8mm GENLOK	4.14	2.07	0.91
SS-BV635-TF10M	0.19	1.3	1/4" Female NPT	10mm GENLOK	4.41	2.20	0.91
SS-BV635-TF12M	0.19	1.0	1/4" Female NPT	12mm GENLOK	4.60	2.30	0.91

Ordering Information

EX: SS -	BV635 -	FNT4 -	E
Body Material	Series	Inlet / Outlet Connection*	Options
SS: 316 SS	BV635	FNT4: 1/4" Female NPT	Blank: PCTFE (Valve seat material) E: PEEK

* Specifications listed in table above change to. Please refer to the chart above for the available specifications for the desired connection type.