

Bronze Globe Valve Short Stem for Cryogenic Service

BBS Series

Application

The BB Series globe valves are designed for handling of cryogenic liquids through bulk tanks, trucks, trailers, ISO-containers and piping configurations. Our time tested spring loaded stem packing and superior seat design provide for long life and easy maintenance. Internal components are identical with the SKB Series.

Features

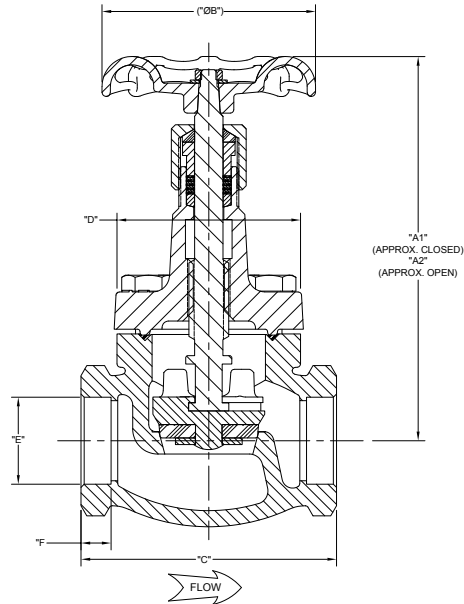
- Superior Flow: Provides high Cv for rapid and reliable loading and unloading
- Designed with the unique Kold-Seal
- Conical PCTFE Seat: provides exceptional flow; bubble tight seal; less chance of debris trapped in the seat and longer service life
- Ideal for loading & unloading cryogenic bulk tanks and trucks. The 1½" & 2" valves are designed to be operator friendly, opening and closing completely with only four 360° rotations
- Connections: NPT & SBT
- Sizes: ¼" to 2"
- Bonnet Type: Bolted
- Pressure Rating: 720 psig (50 barg)
- Temperature Rating: -320°F (-196°C) to +150°F (+65°C)
- Service: Liquefied & Vaporized Atmospheric Gases and LNG for Trailers, Bulk Tanks, Iso-Containers and Piping Configurations
- Cleaned for Oxygen Service per CGA G-4.1
- Recommended for vapor phase and non-permanent cryogenic liquid use

Materials

Body	Bronze ASTM B61
Upper Bonnet	Brass ASTM B16
Lower Bonnet	Brass ASTM B283
Stem	Stainless Steel ASTM A582
Spring	Stainless Steel ASTM A313
Packing	PTFE
Gasket	PTFE 25% Glass Fill
Seat Disc	PCTFE ASTM D1430
Seat Retainer	Brass ASTM B16
Bonnet Screws	Stainless Steel ASTM A320
Handwheel	Chromated Coated Ductile Iron ASTM A395



BBS9404S



Ordering Information

Part Number	Size Inches	Size DN	Connection	A1		A2		B		C		D		E		F		Cv (Kv)	Weight lbs.	Weight Kg
				Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm					
BBS9402S	¼"	8	Silver Brazed Tube	5.75	146	6.24	158	3.00	76	8	203	2.00	51	0.38	9	0.30	8	1.7 (1.47)	5.2	2.3
BBS9404S	½"	15		6.07	154	6.6	168	4.00	101	3.55	90	2.60	66	0.63	16	0.40	10	5.0 (4.30)		
BBS9406S	¾"	20		6.07	154	6.6	168	4.00	101	3.75	95	2.60	66	0.88	22	0.50	13	9.4 (8.10)		
BBS9408S	1"	25		7.20	183	7.93	201	4.75	121	4.79	121	3.47	88	1.13	29	0.56	14	14 (12.10)		
BBS9412S	1½"	40		7.20	183	7.93	201	4.75	121	4.79	121	3.47	88	1.63	41	0.56	14	28.3 (21.60)		
BBS9416S	2"	50	8.85	225	9.84	250	4.75	121	5.87	149	3.96	100	2.13	54	0.63	16	53 (45.80)	11.96	5.4	
BBS9402T	¼"	8	Threaded NPT	5.75	146	6.24	158	3.00	76	8	203	2.00	51	0.38	9	0.30	8	1.7 (1.47)	5.2	2.3
BBS9404T	½"	15		6.07	154	6.6	167	4.00	101	3.55	90	2.60	66	0.63	16	0.40	10	5.0 (4.30)		
BBS9406T	¾"	20		6.07	154	6.6	167	4.00	101	3.75	95	2.60	66	0.88	22	0.50	13	9.4 (8.10)		
BBS9408T	1"	25		7.20	183	7.93	201	4.75	121	4.79	121	3.47	88	1.13	29	0.56	14	14 (12.10)		
BBS9412T	1½"	40		7.20	183	7.93	201	4.75	121	4.79	121	3.47	88	1.63	41	0.56	14	28.3 (21.60)		
BBS9416T	2"	50		8.85	225	9.84	250	4.75	121	5.87	149	3.96	100	2.13	54	0.63	16	53 (45.80)		