

Bronze Globe Valve for Cryogenic Service

BB 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. The BB Series globe valves are offered with brazed-in schedule 10 and 40 stainless steel pipe stubs. Also available in short stem version.

Features

- Superior Flow: Provides high Cv for rapid and reliable loading and unloading
- V-Ring spring loaded packing: provides extended service life without constant packing adjustment
- 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 & Flange
- Sizes: ¼" to 2"
- Bonnet Type: Bolted
- Pressure Rating: 720 psig (50 barg)
- Temperature Rating: -325°F (-198°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

Materials

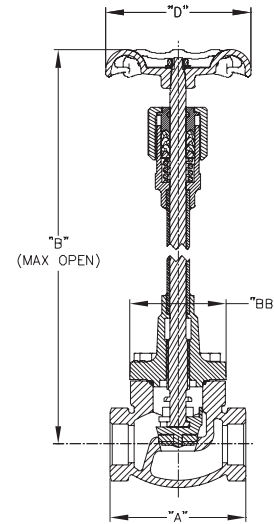
| | |
|---------------------|---|
| Body | Bronze ASTM B61 |
| Upper Bonnet | Brass ASTM B16 |
| Lower Bonnet | Brass ASTM B283 |
| Stem | Stainless Steel ASTM A582 |
| Spring | Stainless Steel ASTM A313 |
| Packing | PTFE |
| Gasket | PTFE 25% Glass Fill |
| Seat Disc | PCTFE ASTM D1430 |
| Seat Retainer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

Ordering Information

| Part Number | Size Inches | Size DN | Connection | A | | B | | D | | BB | | Cv | Kv | Weight lbs. | Weight kg. |
|-------------|-------------|---------|--------------------|--------|-------|--------|-----|--------|-----|--------|-----|------|-------|-------------|------------|
| | | | | Inches | mm | Inches | mm | Inches | mm | Inches | mm | | | | |
| BB9402S | ¼" | 8 | Silver Brazed Tube | 2.68 | 68 | 14.40 | 366 | 3.00 | 76 | 2.00 | 51 | 1.7 | 1.47 | 8.30 | 3.7 |
| BB9404S | ½" | 15 | | 5.0 | 4.30 | | | | | | | | | | |
| BB9406S | ¾" | 20 | | 9.4 | 8.1 | | | | | | | | | | |
| BB9408S | 1" | 25 | | 14.0 | 12.10 | | | | | | | | | | |
| BB9412S | 1½" | 40 | | 28.3 | 21.60 | | | | | | | | | | |
| BB9416S | 2" | 50 | 53.0 | 47.41 | 21.60 | 9.8 | | | | | | | | | |
| BB9402T | ¼" | 8 | Threaded NPT | 2.68 | 68 | 14.40 | 366 | 3.00 | 76 | 2.00 | 51 | 1.7 | 1.47 | 8.30 | 3.7 |
| BB9404T | ½" | 15 | | 5.0 | 4.30 | | | | | | | | | | |
| BB9406T | ¾" | 20 | | 9.4 | 8.1 | | | | | | | | | | |
| BB9408T | 1" | 25 | | 14.0 | 12.10 | | | | | | | | | | |
| BB9412T | 1½" | 40 | | 28.3 | 21.60 | | | | | | | | | | |
| BB9416T | 2" | 50 | 53.0 | 47.41 | 21.60 | 9.8 | | | | | | | | | |
| BB9412F | 1½" | 40 | Flanged RF | 6.50 | 165 | 14.60 | 371 | 4.75 | 121 | 3.44 | 87 | 28.3 | 21.60 | 18.56 | 8.4 |
| BB9416F | 2" | 50 | | 8.00 | 203 | 16.21 | 412 | 5.25 | 133 | 4.06 | 103 | 53.0 | 47.41 | 30.00 | 13.6 |



BB9412T



BB9412F

