



s.195

flare 37°
by solder end 1/2" – 3/4"
standard port



Quality

- 24h 100% seal test guaranteed
- Dual sealing system allows valve to be operated in either direction making installation easier
- No metal-to-metal moving parts
- Handle clearly shows ball position
- Silicone-free lubricant on all seals
- Handle stops on body to avoid stresses at stem
- Chrome plated brass ball for longer life

Body

- Hot forged sand blasted, unplated brass body and cap sealed with Loctite® or equivalent thread sealant
- Finest brass according to EN 12165 and EN 12164 specifications

Stem

- Blowout-proof nickel plated brass stem
- Pure PTFE adjustable packing gland and reinforced washer for lower torque and easy maintenance

Sealing

- Pure PTFE self-lubricating seats with flexible-lip design

Threads

- 1/2" flare 37° by 1/2" solder end
- 3/4" flare 37° by 3/4" solder end

Flow

- Standard port for compact design

Handle

- Aluminum T-handle enameled red
- **WARNING:** do not exceed reasonable temperature and/or electrical load

Working pressure & temperature

- 600 PSI (for solder joints rating see table 1) non-shock cold working pressure
- -4°F to +350°F (for solder joints rating see table 1)
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

Options

- Stainless steel handle (1.4016 / AISI 430)
- Geomet® carbon steel handle with thick PVC dip coating. Handle coating offers both thermal and electrical protection
- Stubby handle

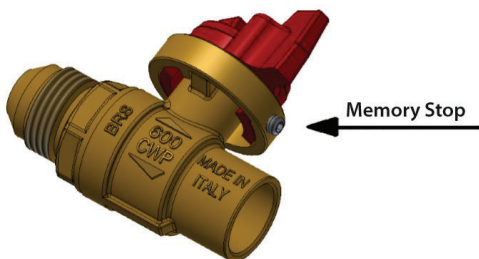
Upon request

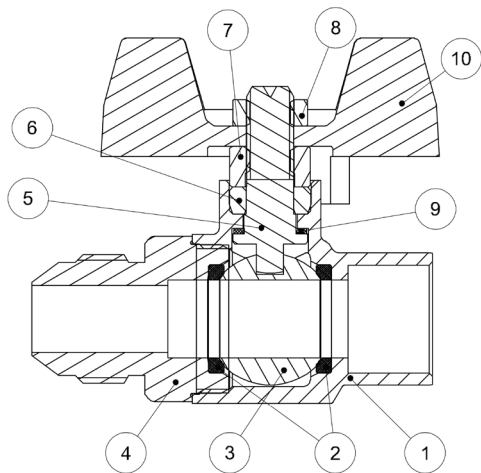
- Memory stop

Approved by or in compliance with

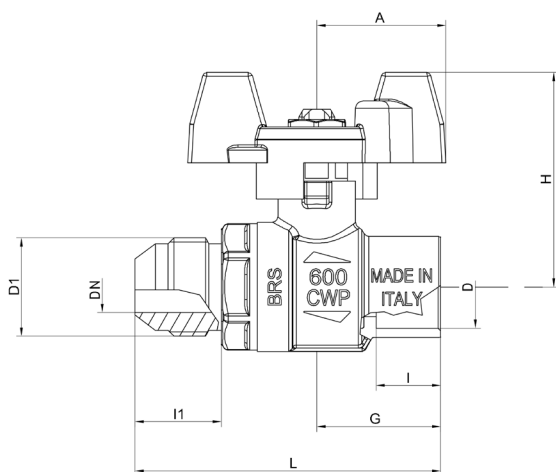
- GOST-R (Russia)
- Canadian standards Association (United States, Canada)
- RoHS Compliant (EU)

NOTE: approvals apply to specific configurations/sizes only.





| Part description | Q.ty | Material |
|---|------|------------------------|
| 1 Sand blasted unplated body | 1 | CW617N |
| 2 Seat | 2 | PTFE |
| 3 Chrome plated ball | 1 | CW617N |
| 4 Sand blasted unplated end-cap | 1 | CW617N |
| 5 Nickel plated stem packing gland design | 1 | CW617N |
| 6 Packing gland seal | 1 | PTFE |
| 7 Nickel plated gland nut | 1 | CW617N |
| 8 Geomet® nut | 1 | CB4FF (EN10263-2) |
| 9 Washer | 1 | PTFE carbon filled 25% |
| 10 Red T-handle | 1 | EN AC- 46100 |



DN shows the nominal flow diameter.

| Code | 195D40 | 195E40 |
|-----------|---------------|-----------------|
| D (inch) | 0.63 | 0.877 |
| D1 (inch) | 3/4-16 UNF 2A | 1.1/16-12 UN 2A |
| DN(inch) | 0.39 | 0.61 |
| I (inch) | 0.49 | 0.748 |
| I1 (inch) | 0.66 | 0.862 |
| L (inch) | 2.33 | 3.031 |
| G (inch) | 0.94 | 1.319 |
| A (inch) | 0.98 | 0.98 |
| H (inch) | 1.63 | 1.705 |
| Cv (GPM) | 5.8 | 14.5 |

| Joining material | Melting range degrees | | Working temperature degrees | | Maximum working gauge pressure | | | | | |
|--|-----------------------|---------|-----------------------------|----------|--------------------------------|--------|------------------|--------|------------------|--------|
| | °F | °C | °F | °C | Size 1/8" - 1" | | Size 1 1/4" - 2" | | Size 2 1/2" - 4" | |
| | | | | | PSI | kPa | PSI | kPa | PSI | kPa |
| 50-50 tin-lead solder* ASTM B32 alloy grade 50 A | 361/421 | 185/215 | 0/+100 | -18/+38 | 200 | 1400 | 176 | 1200 | 150 | 1050 |
| | | | 0/+150 | -18/+66 | 150 | 1050 | 125 | 850 | 100 | 700 |
| | | | 0/+200 | -18/+93 | 100 | 700 | 90 | 600 | 75 | 500 |
| | | | 0/+250 | -18/+121 | 85 | 600 | 75 | 500 | 50 | 350 |
| 95-5 tin-antimony solder ASTM B32 alloy grade 95TA | 450/464 | 230/240 | 0/+100 | -18/+38 | 500** | 3500** | 400** | 2800** | 300** | 2100** |
| | | | 0/+150 | -18/+66 | 400** | 2800** | 350** | 2400** | 275** | 2000** |
| | | | 0/+200 | -18/+93 | 300** | 2100** | 250** | 1700** | 200 | 1400 |
| | | | 0/+250 | -18/+121 | 200 | 1400 | 175 | 1200 | 150 | 1050 |

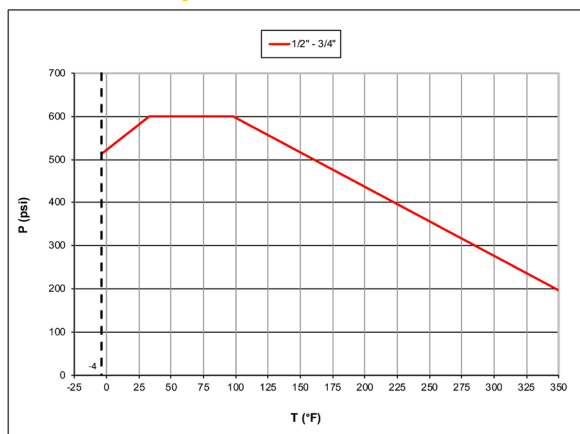
Note:

Above stated limits are not imposed by the valve, but by the strength of the soldering joint according to ASME B16.22.

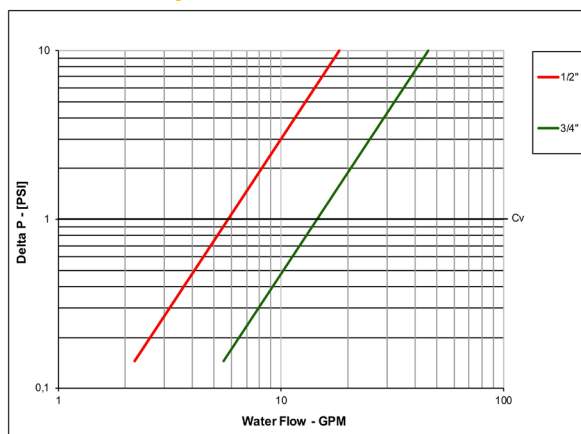
* This alloy contains more than 0,2% lead and, according to certain specifications, cannot be used for potable water or other foods.

** Soldered copper tube joints have been tested at 230 PSI (1600 kPa) in accordance with ISO 2016

Pressure-temperature chart



Pressure drop chart



WARNING: This product can expose you to chemicals including lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

XCE19540 - 4266