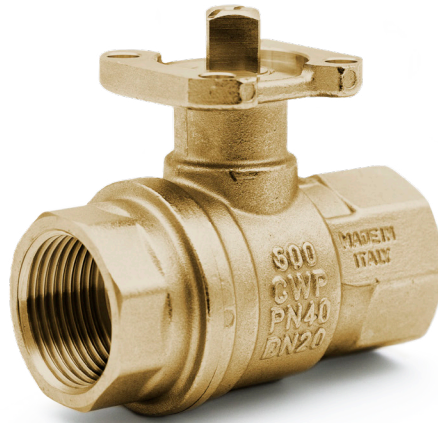




s.6541 NPT

actuator mounting
full port 1/2" - 1 1/4"
hot forged brass ball valve



Quality

- Dual sealing system allows valve to be operated in either direction making installation easier
- No metal-to-metal moving parts
- No maintenance ever required
- Silicone-free lubricant on all seals
- Chrome plated brass ball for longer life
- 100% seal test guaranteed in according to EN 12266-1 RATE A (intended when the product is in brand new condition)

Body

- Hot forged sand blasted, unplated brass body and cap sealed with Loctite® or equivalent thread sealant
- Integrated ISO 5211 and DIN 3337 mounting flange for universal connection to actuator
- Finest brass according to EN 12165 and EN 12164 specifications

Stem

- Blowout-proof nickel plated brass stem
- Maintenance-free, double EPDM O-rings at the stem for maximum safety

Sealing

- Pure PTFE self-lubricating seats with flexible-lip design and wear compensation design

Threads

- NPT taper ANSI B.1.20.1 female by female threads

Flow

- Full port to DIN 3357 for maximum flow

Operating mechanism

- Integrated sturdy ISO 5211 flange allows direct mounting of electric and pneumatic actuators, with no bracket or coupling required. See **RuB** line of electric and pneumatic actuators

Working pressure & temperature

- Shell rating: 600 PSI (40 bar) non shock cold working pressure
- Seat rating: Delta P max permissible 230 PSI (16 bar) non shock cold working pressure
- -4°F to +302°F (-20°C to +150°C)
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

Options

- Rack and pinion pneumatic actuator (spring return or double acting)
- Compact power electric actuator

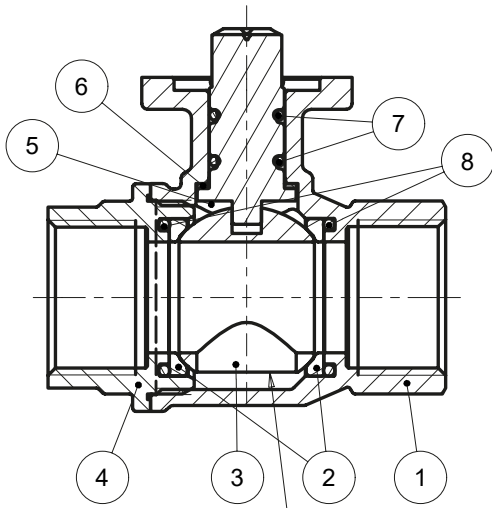
Upon request

- Custom design
- EN 10226-1, ISO 228 parallel female by female threads with external nickel plating

Approved by or in compliance with

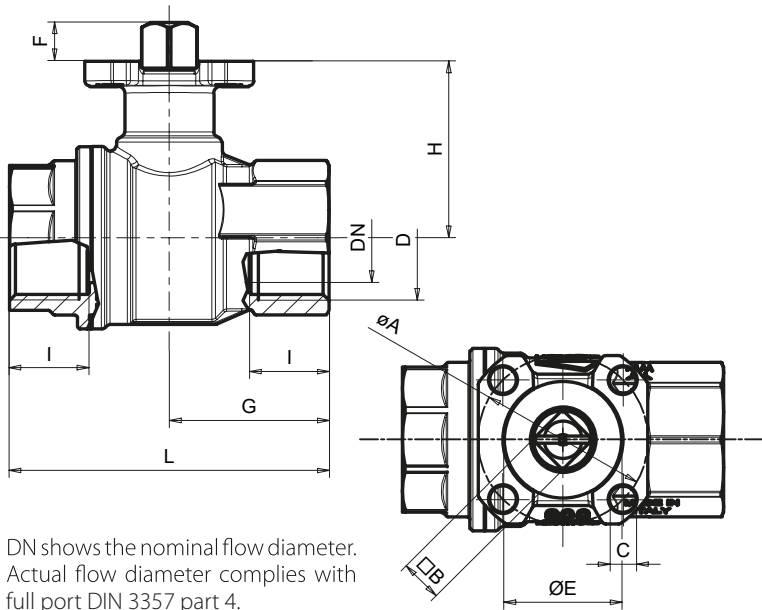
- RoHS Compliant (EU)

NOTE: approvals apply to specific configurations/sizes only.



| Part description | Q.ty | Material |
|------------------|------|---------------------------------------------------------------------------------|
| 1 | 1 | CW617N |
| 2 | 2 | PTFE |
| 3 | 1 | Chrome plated ball with rinse hole (rinse hole on sizes from 3/4" up to 1 1/4") |
| 4 | 1 | CW617N |
| 5 | 1 | CW617N |
| 6 | 1 | PTFE carbon filled 25% |
| 7 | 2 | EPDM |
| 8 | 2 | EPDM |

1 1/4" hollow ball



DN shows the nominal flow diameter. Actual flow diameter complies with full port DIN 3357 part 4.

| Code | S65D41 | S65E41 | S65F41 | S65G41 |
|---------------------------------------------|--------|--------|--------|--------|
| D (inch) | 1/2" | 3/4" | 1" | 1 1/4" |
| DN (inch) | 0,59 | 0,79 | 0,98 | 1,26 |
| I (inch) | 0,61 | 0,67 | 0,83 | 0,91 |
| L (inch) | 2,5 | 2,68 | 3,35 | 3,82 |
| G (inch) | 1,24 | 1,34 | 1,67 | 1,91 |
| ØA (inch) | 1,42 | 1,42 | 1,42 | 1,42 |
| □B (inch) | 0,35 | 0,35 | 0,35 | 0,35 |
| C (inch) | 0,22 | 0,22 | 0,22 | 0,22 |
| ØE (inch) | 25 | 25 | 25 | 25 |
| F (inch) | 0,98 | 0,98 | 0,98 | 0,98 |
| H (inch) | 1,22 | 1,50 | 1,63 | 1,89 |
| CH (inch) | 0,98 | 1,22 | 1,57 | 1,93 |
| Flange connection DIN ISO522 DIN 3337 | F03 | F03 | F03 | F03 |
| Cv (GPM) | 32,30 | 41,6 | 71,6 | 91,3 |

Torque for actuator sizing in-lb

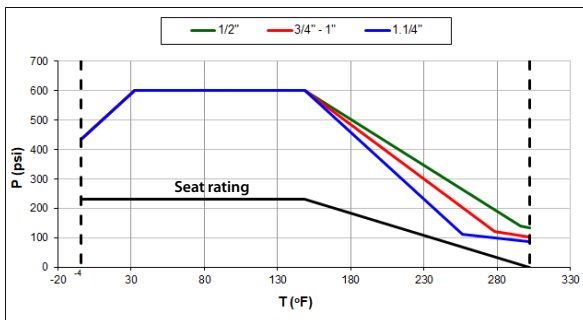
| Delta P --> | 0÷230 PSI | |
|-------------|-----------|----------|
| | to open | to close |
| Valve size | | |
| 1/2" | 31 | 27 |
| 3/4" | 37,5 | 33 |
| 1" | 40 | 35,5 |
| 1 1/4" | 44,5 | 40 |

Torque correction factors

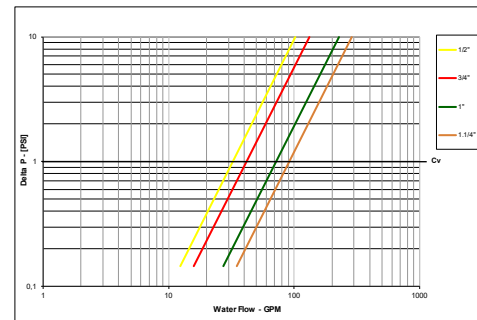
Valve torque can vary according to operating frequency, temperature and friction characteristics of the media. If media has more or less friction than water, multiply torque by the following factors:

| | |
|------------------------------------------------|---------|
| Lubricating oils or liquids | 0.8 |
| Dry gases, natural gas | 1.5 |
| Slurries or liquids bearing abrasive particles | 1.5÷2.5 |

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

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