



s.6439 NPT

Female/Female
1/2" - 2"
SS trim, ISO 5211

More and more automation is required at all levels in our society and the s.64 **RuB** range is the answer to all needs for reliable actuated ball valve.

It features special seat design to automatically compensate for wear and it has successfully passed 100,000 cycle life tests.

You can purchase the valve alone or with **RuB** actuator already mounted.



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
- No maintenance ever required
- Silicone-free lubricant on all seals
- Stainless steel ball for longer life

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

- Maintenance-free, double FPM O-rings at the stem for maximum safety
- Blowout-proof stainless steel stem

SEALING

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

THREADS

- NPT taper ANSI B.1.20.1 female by female threads

FLOW

- 100% full port for maximum flow

HANDLE

- 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

- 600 PSI non-shock cold working pressure
- -4°F to +350°F
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

UPON REQUEST

- Custom design

APPROVED BY OR IN COMPLIANCE WITH

- EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)
- RoHS Compliant (EU)
- Water Regulations Advisory Scheme (United Kingdom)

NOTE: approvals apply to specific configurations/sizes only.

OPTIONS

- k.64 configuration featuring EN 10226-1, ISO 228 parallel female by female threads, plated body, valve length according to DIN 3357 specification, pure PTFE seats
- Rack and pinion pneumatic actuator (spring return or double acting)
- Compact power electric actuator for some sizes
- Manual lockable handle
- Brass trim (s.6441)



s.6439 NPT XGES6439 - 5813

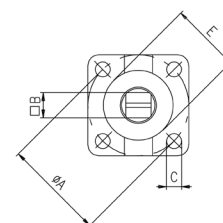
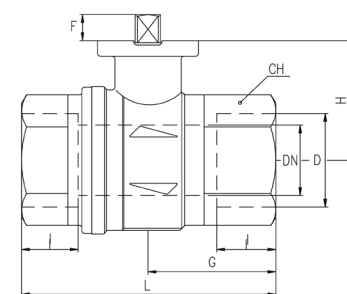
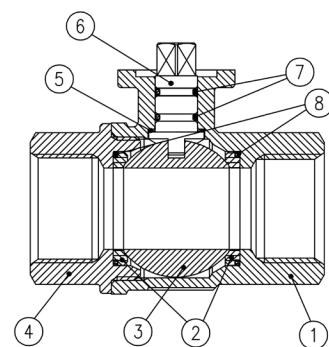
Each user should perform his own tests to find out the suitability for his particular application. BONOMI INDUSTRIES makes no warranty, express or implied, as to the shape, fit or function of a product for any application. Contact us or consult with your supplier for additional information on the suitability of the BONOMI INDUSTRIES products with your specific field of use.



ACTUATION

| Part description | | Q.ty | Material |
|------------------|------------------------------------|------|---------------------------|
| 1 | Unplated body | 1 | CW617N |
| 2 | Ball seat | 2 | PTFE carbographite filled |
| 3 | Stainless steel ball | 1 | 1.4401 / AISI 316 |
| 4 | Unplated end-cap | 1 | CW617N |
| 5 | Washer | 1 | PTFE carbon filled 25% |
| 6 | Stainless steel stem O-ring design | 1 | 1.4401 / AISI 316 |
| 7 | O-Ring | 2 | FPM |
| 8 | O-Ring | 2 | FPM |

| Code | S64D39 | S64E39 | S64F39 | S64G39 | S64H39 | S64I39 |
|--|--------|--------|--------|--------|--------|--------|
| Size (inch) | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
| DN (inch) | 0.59 | 0.787 | 0.984 | 1.259 | 1.575 | 1.968 |
| I (inch) | 0.61 | 0.708 | 0.826 | 0.905 | 0.964 | 1.043 |
| L (inch) | 2.598 | 2.933 | 3.562 | 4.094 | 4.606 | 5.314 |
| G (inch) | 1.201 | 1.456 | 1.791 | 2.047 | 2.322 | 2.657 |
| H (inch) | 1.22 | 1.515 | 1.673 | 2.185 | 2.441 | 2.716 |
| CH (inch) | 1.063 | 1.259 | 1.614 | 1.968 | 2.165 | 2.756 |
| ØA (inch) | 1.417 | 1.417 | 1.417 | 1.968 | 1.968 | 1.968 |
| □B (inch) | 0.354 | 0.354 | 0.354 | 0.551 | 0.551 | 0.551 |
| C (inch) | 0.22 | 0.22 | 0.22 | 0.259 | 0.259 | 0.259 |
| E (inch) | 0.984 | 0.984 | 0.984 | 1.378 | 1.378 | 1.378 |
| F (inch) | 0.295 | 0.334 | 0.334 | 0.57 | 0.57 | 0.57 |
| Flange connection DIN ISO 522 DIN 3337 | F03 | F03 | F03 | F05 | F05 | F05 |
| Cv (GPM) | 32.3 | 69.3 | 115.5 | 179.1 | 283.1 | 335 |



TORQUE FOR ACTUATOR SIZING IN-LB

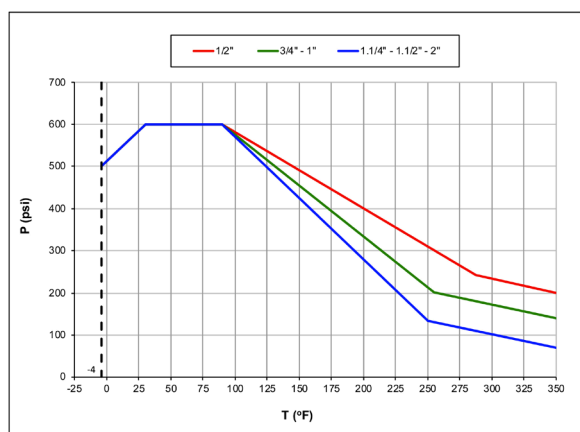
| Delta P --> | 0÷200 PSI | | 600 PSI | |
|-------------|-----------|----------|---------|----------|
| | to open | to close | to open | to close |
| 1/2" | 25 | 15 | 25 | 15 |
| 3/4" | 33 | 20 | 33 | 20 |
| 1" | 62 | 37 | 62 | 37 |
| 1 1/4" | 104 | 111 | 121 | 111 |
| 1 1/2" | 220 | 180 | 273 | 180 |
| 2" | 262 | 222 | 327 | 222 |

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

