



## s.6439 NPT

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

### 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)

### Upon request

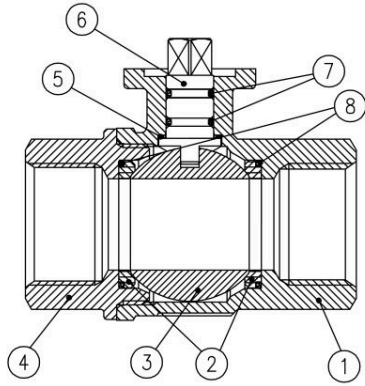
- Custom design

### Approved by or in compliance with

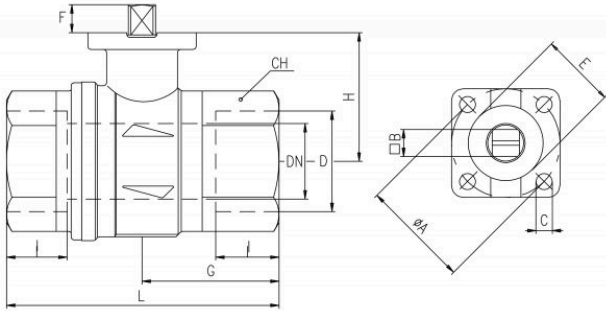
- Water Regulations Advisory Scheme (United Kingdom)
- GOST-R (Russia)
- RoHS Compliant (EU)

**NOTE:** approvals apply to specific configurations/sizes only.





	PART DESCRIPTION	Q.TY	MATERIAL
1	Unplated body	1	CW617N
2	Ball seat	2	PTFE graphite filled 15%
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
D (inch)	1/2	3/4	1	1 1/4	1 1/2	2
DN(inch)	0.590	0.787	0.984	1.259	1.575	1.968
I (inch)	0.610	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)	1.220	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)	0.220	0.220	0.220	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	0.570	0.570	0.570
Flange connection DN ISO 5211 DN 3337	F03	F03	F03	F05	F05	F05
Cv (GPM)	32.3	69.3	115.5	179.1	283.1	335.0

### Torque for actuator sizing in -lb

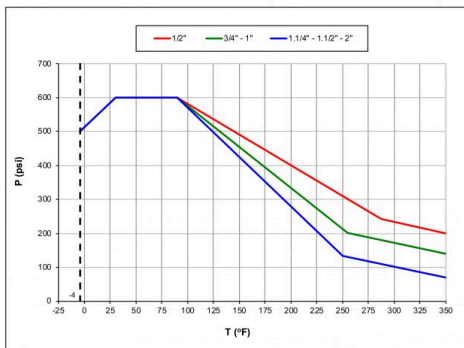
Delta P →	0 ÷ 200 PSI		600 PSI	
	To open	To close	To open	To close
Valve size				
1/2"	25	15	25	15
3/4"	33	20	33	20
1"	62	37	62	37
1.1/4"	104	111	121	111
1.1/2"	220	180	273	180
2"	262	222	327	222

### Torque correction factors

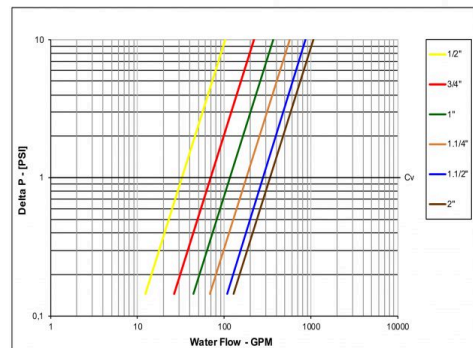
Valve torque can vary according to operating frequency, temperature and friction characteristics of the media.  
 If media has more or less friction than water, multiply torque by the following factors.

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



Ask for additional information on the whole range of **RUB** products and consult with your supplier for special applications.  
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