s.6441 NPT

1/2″ – 4″ brass 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 the ***RuB*** actuator already mounted.

*All sizes up to 2″ included

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
- Chrome plated brass 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

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

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 up to 2″, 450 PSI over 2″ non-shock cold working pressure
- -4°F to +350°F
- **WARNING**: freezing of the fluid in the installation may severely damage the valve

Options

- S.64 configuration featuring EN 10226-1, ISO 228 parallel female by female threads, plated body and brass trim
- Stainless steel trim (s.6439)
- Configuration for use with slurries or liquid bearing abrasive particles
- Rack and pinion pneumatic actuator (spring return or double acting)
- Compact power electric actuator for some sizes
- Manual lockable handle

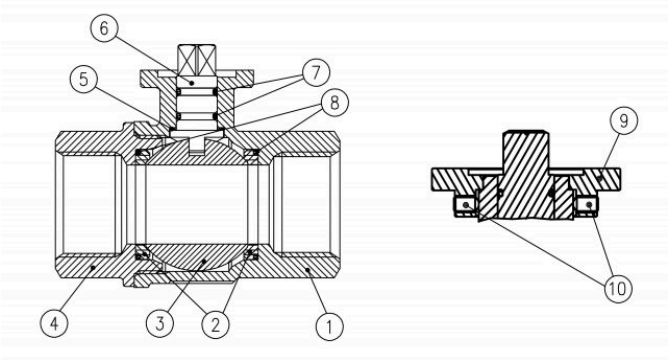
Upon request

- Custom design

Approved by or in compliance with

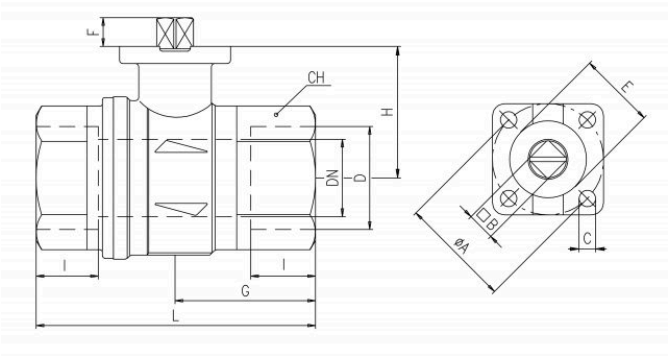
- Water Regulations Advisory Scheme (United Kingdom)
- GOST-R (Russia)
- RoHS Compliant (EU)

NOTE: approvals apply to specific configurations/sizes only.



Valves configuration up to 2″

	PART DESCRIPTION	Q.TY	MATERIAL
1	Unplated body	1	CW617N
2	Ball seat	2	PTFE graphite filled 15%
3	Chrome plated ball	1	CW617N
4	Unplated end-cap	1	CW617N
5	Washer	1	PTFE carbon filled 25%
6	Nickel plated stem O-ring design	1	CW617N
7	O-Ring	2	FPM
8	O-Ring	2	FPM
9	Black anodized flange (only from 2.1/2" to 4")	1	Aluminum
10	Grub screw (only from 2.1/2" to 4")	2	CB4FF (EN10263-2)



Code	S64D41	S64E41	S64F41	S64G41	S64H41	S64I41	S95L41AM	S95M41AM	S95N41AM
D (inch)	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
DN(inch)	0.590	0.787	0.984	1.259	1.575	1.968	2.559	3.150	3.937
I (inch)	0.610	0.708	0.826	0.905	0.964	1.043	1.260	1.378	1.634
L (inch)	2.598	2.933	3.562	4.094	4.606	5.314	6.142	6.969	8.504
G (inch)	1.201	1.456	1.791	2.047	2.322	2.657	3.071	3.484	4.252
H (inch)	1.220	1.515	1.673	2.185	2.441	2.716	3.502	3.779	4.366
CH(inch)	1.063	1.259	1.614	1.968	2.165	2.756	3.346	3.898	4.921
ØA(inch)	1.417	1.417	1.417	1.968	1.968	1.968	2.756	2.756	2.756
□B(inch)	0.354	0.354	0.354	0.551	0.551	0.551	0.669	0.669	0.669
C (inch)	0.220	0.220	0.220	0.259	0.259	0.259	0.335	0.335	0.335
E(inch)	0.984	0.984	0.984	1.378	1.378	1.378	2.165	2.165	2.165
F(inch)	0.295	0.334	0.334	0.570	0.570	0.570	0.709	0.709	0.709
Flange connection DIN ISO 5211 DIN 3337	F03	F03	F03	F05	F05	F05	F07	F07	F07
Cv(GPM)	32.3	69.3	115.5	179.1	283.1	335.0	596.2	896.5	1305.5

Valve ball seats and stem configuration of valves over 2″ is different.

Torque for actuator sizing in-lb

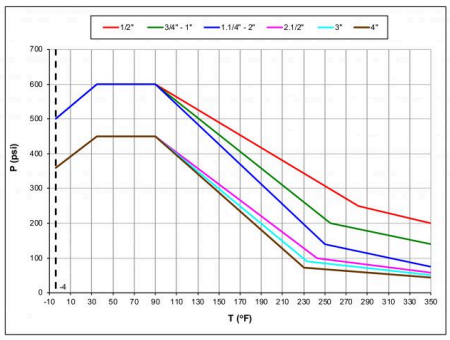
Delta P →	*0 ÷ 200 PSI*		*600 PSI (450 PSI over 2")*	
Valve size	*To open*	*To close*	*To open*	*To close*
1/2"	*25*	*15*	*25*	*15*
3/4"	*33*	*20*	*33*	*20*
1"	*62*	*37*	*62*	*37*
1.1/4"	*104*	*111*	*121*	*111*
1.1/2"	*220*	*180*	*273*	*180*
2"	*262*	*222*	*327*	*222*
2.1/2"	*372*	*372*	*929*	*929*
3"	*902*	*902*	*1062*	*1062*
4"	*1646*	*1646*	*1991*	*1991*

Torque correction factors

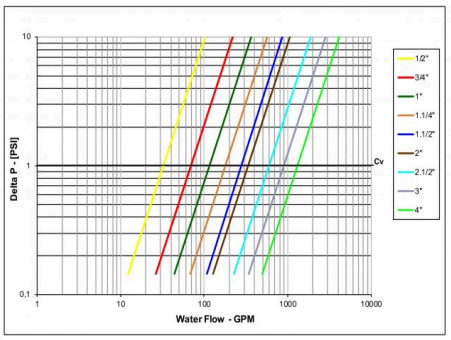
Valve torque can vary according to operating frequency, temperature and friction characteristics of the media.
If media has more or less friction than water, multiply torque by the following factors.

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.
For complete disclaimer: www.rubvalves.com/disclaimer

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