



Datasheet

ENGLISH

# RS Pro Actuator Mounting Full Port 1" – 2" Hot Forged Brass Ball Valve



CERTIFICATION MARK



## 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

## Body:

- Hot forged sand blasted, nickel plated 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 (formerly DIN 17660 and UNI 5705-65) specifications

## Stem:

- Blowout-proof nickel plated brass stem
- Two FPM O-rings at the stem for maximum safety

## Sealing:

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

## Threads:

- EN 10226-1, ISO 228 parallel 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 and temperature:

- Shell rating: 40 bar (600PSI) non shock cold working pressure
- Seat rating: Delta P max permissible 16 bar (230 PSI)
- -20°C (-4°F) / +170°C (+350°F)
- **WARNING:** freezing of the fluid in the installation may severely damage the valve

## Options:

- s.64 configuration featuring NPT taper ANSI B.1.20.1 female by female threads, unplated body, reinforced seats and brass or stainless stem
- Rack and pinion pneumatic actuator (spring return or double acting)
- Compact power electric actuator for some sizes

## Upon request:

- Custom design



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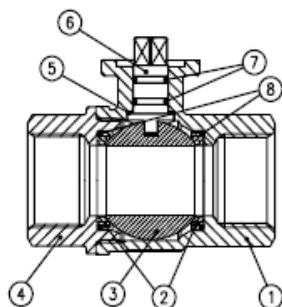
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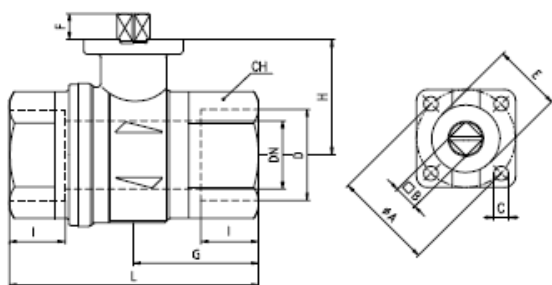
### Approved by or in compliance with:

- Water Regulations Advisory Scheme (United Kingdom)
- GOST-R (Russia)
- Hygiene and epidemic center in Moscow city (Russia)
- UkrSepro (Ukraine)
- RoHS Compliant (EU)
- EAC - Declaration of conformity (Russia-Kazakhstan-Belarus)

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



	Part description	Q.ty	Material
1	Nickel plated body	1	CW617N
2	Ball seat	2	PTFE carbo-graphite filled
3	Chrome plated ball	1	CW617N
4	Nickel plated 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



Code	S64F00A	S64G00A	S64H00A	S64I00A
D (Inch)	1	1 1/4	1 1/2	2
DN(mm)	25	32	40	50
I (mm)	21	23	24.5	26.5
L (mm)	90	110	120	140
G (mm)	45,5	52	59	67,5
H (mm)	42,5	49,5	62	69
CH(mm)	41	50	55	70
ØA(mm)	36	36	50	50
□ B(mm)	9	9	11	11
C (mm)	5,6	5,6	6,6	6,6
E(mm)	25	25	35	35
F(mm)	8,5	8,5	10	10
Flange connection DN ISO 5211 DN 3337	F03	F03	F05	F05

Ball valves are marked CE on end-cap from 1.1/4" to 2" as follow:  
CE XXCODEXX Cat I-A

### Torque for actuator sizing N.m

Delta P →	0 ÷ 6 Bar		>6 ÷ 16 Bar	
	To open	To close	To open	To close
Valve size				
1"	2,2	2,2	3,5	3,5
1.1/4"	2,5	2,5	4	4
1.1/2"	5,8	5,8	9,5	9,5
2"	7,9	7,9	13	13

### 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, superheated steam 1.5
- Slurries or liquids bearing abrasive particles 1.5÷2.5

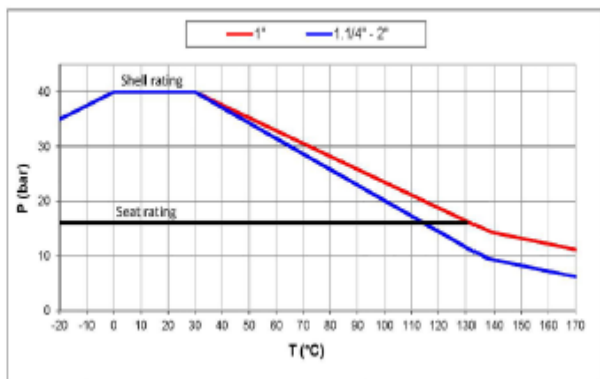


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Pressure-temperature chart



Pressure drop chart

