



actuator mounting full port 1" - 2" 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

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

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

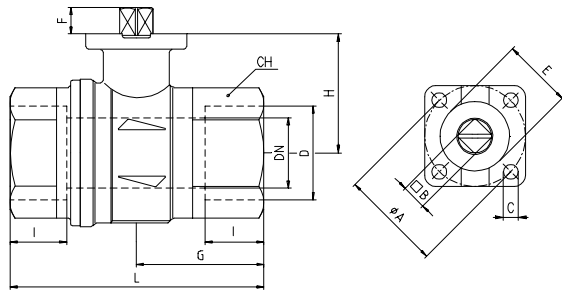
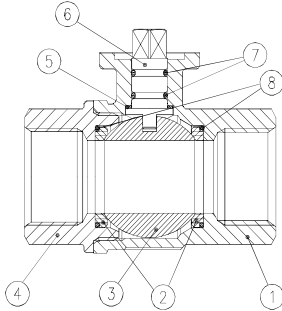
PED directive:

- According to 2014/68/UE module A: it cannot be used with dangerous gases in sizes larger than 25mm

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.

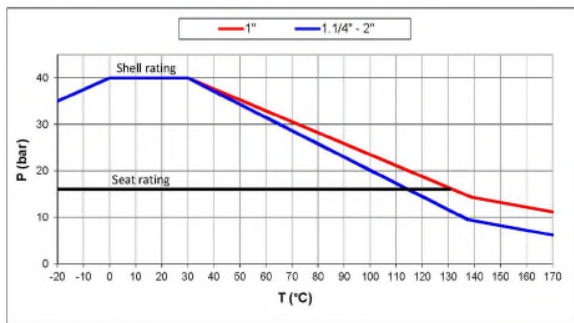


Ball valves are marked CE on end-cap from 1.1/4" to 2" as follow:
CE XXCODEXX Cat I-A

Torque for actuator sizing N.m

Delta P →	0 ÷ 6 Bar		>6 ÷ 16 Bar	
	To open	To close	To open	To close
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

Pressure-temperature chart



	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

	1	1 1/4	1 1/2	2
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 DIN ISO 5211 DIN 3337	F03	F03	F05	F05

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

Pressure drop chart

