

Datasheet

s.6400 ISO 5211

Full port ½"-4" hot forged brass ball valves



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, nickel plated brass body and cap sealed with Loctite® or equivalent thread sealant
- 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

Seals:

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

PED Directives:

- Assessment according to Pressure Equipment Directive 97/23 CE module B+D by Pascal (1115)

Threads:

- EN 10226-1, ISO 228 parallel female by female threads

Flow:

- 100% Full port for maximum flow

Handle:

- ISO 5211 actuator mounting pad allow direct mounting of *RuB* electric and pneumatic actuators, with no bracket or coupling required

Working Pressure:

- 40 Bar (600 PSI) up to 2"; 30 Bar (450 PSI) over 2"
- non-shock cold working pressure
- For use with dangerous fluids temperature rating is -20°C +60°C and pressure rating is 5 bar

Working Temperature:

- -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
- 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

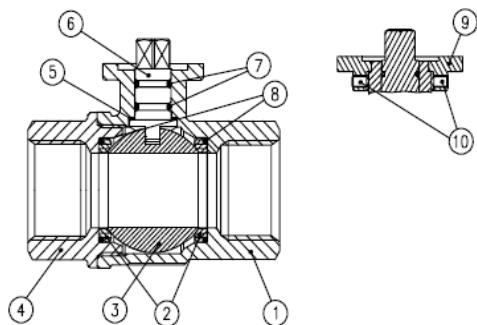


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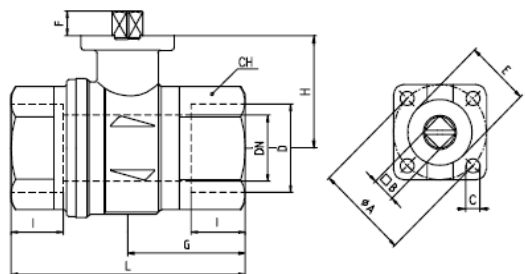
- Custom Design

Approved by or in compliance with:

- GOST-R (Russia)
- Hygiene and epidemic center in Moscow city (Russia)
- UkrSepro (Ukraine)
- RoHS Compliant
- EAC - Declaration of conformity (Russia-Kazakhstan-Belarus)



Valves configuration up to 2"



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

Part Description	Q.ty	Material
1 Nickel plated body	1	CW617N
2 Ball seat	2	PTFE graphite filled 15%
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
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

Code	S64D00	S64E00	S64F00	S64G00	S64H00	S64I00	S84L00AM	S84M00AM	S84N00AM
D (inch)	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
DN(mm)	15	20	25	32	40	50	65	80	100
I (mm)	15,5	18	21	23	24,5	26,5	32	35	41,5
L (mm)	75	80	90	110	120	140	156	177	216
G (mm)	30,5	37	45,5	52	59	67,5	78	88,5	108
H (mm)	31	38,5	42,5	55,5	62	69	89	96	111
CH(mm)	27	32	41	50	55	70	85	99	125
ØA(mm)	36	36	36	50	50	50	70	70	70
□B(mm)	9	9	9	11	11	14	17	17	17
C (mm)	5,6	5,6	5,6	6,6	6,6	6,6	8,5	8,5	8,5
E (mm)	25	25	25	35	35	35	55	55	55
F (mm)	7,5	8,5	8,5	10	10	14,5	18	18	18
Flange connection DN ISO 5211 EPN 5207	F03	F03	F03	F05	F05	F05	F07	F07	F07

Ball valves are marked CE on end cap from 1.1/4" to 4" as follow:
CE 1115 cat IIIB+D PS: 5 GAS TS1: -20°C TS2: +60°C

Torque for Actuator Sizing N.m

Delta P →	0 ÷ 15 Bar		40 Bar (30 Bar over 2")	
	To open	To close	To open	To close
1/2"	2,8	1,7	2,8	1,7
3/4"	3,8	2,3	3,8	2,3
1"	7,1	4,2	7,1	4,2
1.1/4"	11,7	12,6	13,6	12,6
1.1/2"	24,9	20,3	30,9	20,3
2"	29,6	25,1	37	25,1
2.1/2"	42	42	105	105
3"	102	102	120	120
4"	186	186	225	225

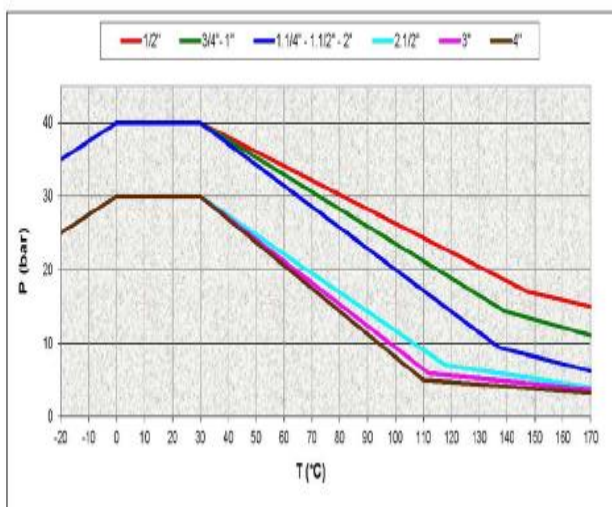
Torque correction factors

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-Temperature Chart



Pressure Drop Chart

