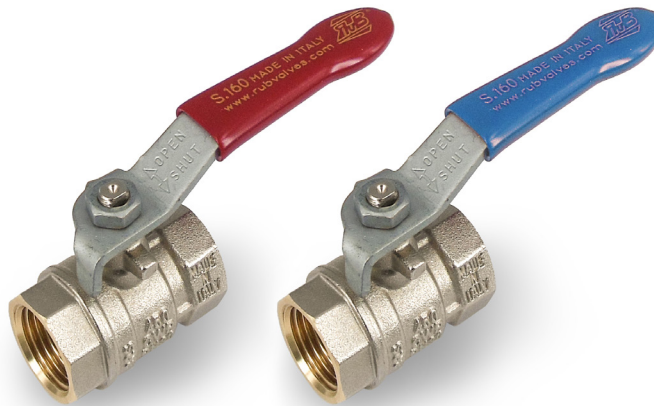


# S.160

## 1/4" - 2" 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
- Handle clearly shows ball position
- Silicone-free lubricant on all seals
- Travel stops on body to avoid stresses at stem
- Chrome plated brass ball for longer life with rinse hole (the rinse hole is expected from 1/2" up to 2" sizes)

### Body:

- Hot forged sand blasted, external nickel plated brass body and cap sealed with Loctite® or equivalent threads sealant (remark: sizes 1/4" and 3/8" are nickel plated internally too)
- 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 EPDM O-Rings (FPM for 1/4" and 3/8" sizes) at the stem for maximum safety

### Seals:

- Pure PTFE self-lubricating seats with flexible-lip design

### PED Directives:

- According to 97/23 CE module A: it cannot be used with dangerous gases in sizes larger than 25mm

### Threads:

- ISO 228 parallel female by female threads

### Flow:

- Full port to DIN 3357 for 1/4" and 3/8" sizes, nominal port for compact design from 1/2" to 2" sizes.

### Handle:

- Geomet® carbon steel handle with thick PVC dip coating. Handle coating offers both thermal and electrical protection
- Handle removable with valve in service

### Working Pressure:

- 40 Bar (600 PSI) up to 3/8", 30 Bar (450 PSI) over 3/8"
- non-shock cold working pressure

### Working Temperature:

- -40°C (-40°F) / +150°C (+302°F)
- +170°C (+350°F) for 1/4" and 3/8" sizes
- Warning: freezing of the fluid in the installation may severely damage the valve

### Options:

- EN 10226-1 parallel female by female threads (S.161 model)
- Male by Female threads
- Stem extension
- T-handle
- Oval lockable handle
- AISI 430 stainless steel handle
- Patented locking device

### Upon Request:

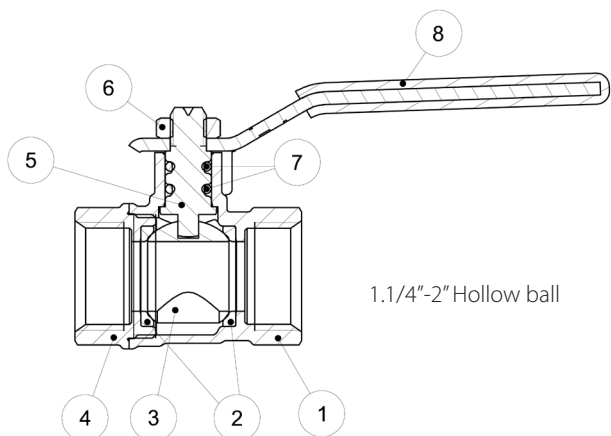
- AISI 316 stainless steel ball
- Glass filled PTFE seals
- Custom Design



**Approved by or in compliance with:**

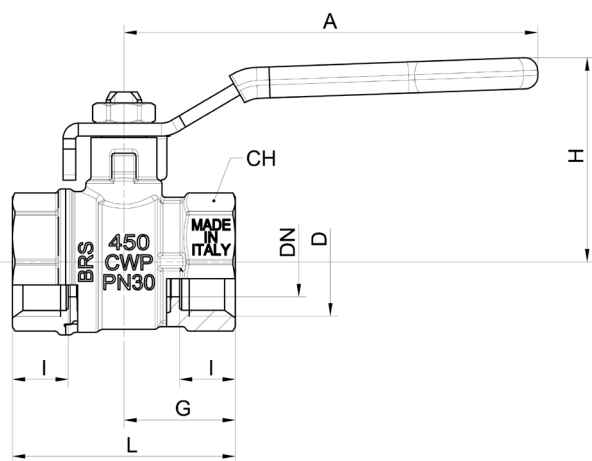
- GOST-R (Russia)
- Hygiene and epidemic center in Moscow city (Russia)
- UkrSepro (Ukraine)
- RoHS Compliant
- EAC - Declaration of conformity (Russia-Kazakhstan-Belarus)

**NOTE:** Approvals apply to specific configurations only



	Part Description	Q.ty	Material
1	Nickel plated body (external treatment -1/4" and 3/8" sizes are nickel plated internally too)	1	CW617N
2	Seat	2	PTFE
3	Chrome plated ball with rinse hole (the rinse hole is expected from 1/2" up to 2" sizes)	1	CW617N
4	Nickel plated end cap (external treatment -1/4" and 3/8" sizes are nickel plated internally too)	1	CW617N
5	Nickel plated stem O-ring design	1	CW617N
6	Geomet® nut	1	CB4FF
7	O-Ring	2	FPM for 1/4" and 3/8" sizes EPDM from 1/2" up to 2" sizes
8	Red PVC coated Geomet® steel handle	1	DD11

**NOTE:** Drawings refer to 1/2" up to 2" sizes



Code	S160B00	S160C00	S160D00	S160E00	S160F00	S160G00	S160H00	S160I00
D (inch)	1/4	3/8	1/2	3/4	1	1.1/4	1.1/2	2
DN (mm)	8	10	13.5	18	22.5	28.5	36	45
I (mm)	9	9	11	12	14	15	17	19
L (mm)	39	39	44	52	61.5	73	86	101
G (mm)	19.5	19.5	22	26	30.7	36.5	43	50.5
A (mm)	82	82	82	100	120	120	158	158
H (mm)	38	38	39.5	43.5	52	57	75.5	82.5
CH (mm)	20	20	25	31	38	48	54	66

DN shows actual flow diameter.  
Configuration of valves 1/4" and 3/8" sizes is slightly different. Ask for details at our service center

Ask for additional information on the whole range of RuB valves and consult with your supplier for special applications.

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