

## full port 1/4"-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
- Handle clearly shows ball position
- Silicone-free lubricant on all seals
- Chrome plated brass ball for longer life
- Travel stops on body to avoid stresses at stem

### Body:

- Hot forged sand blasted, nickel plated brass body and cap sealed with Loctite® or equivalent thread sealant
- 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:

- 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 maximum flow

### 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 2", 30 Bar (450 PSI) over 2"
- non-shock cold working pressure

### Working Temperature:

- -40°C (-40°F) / +170°C (+350°F) Warning: freezing of the fluid in the installation may severely damage the valve

### Options:

- Stem extension
- T-handle
- AISI 430 stainless steel handle
- Patented locking device
- Dezincification resistant brass body and components
- Oval lockable handle up to 2", round over 2"
- Male by Female threads
- Male by male threads

### Upon Request:

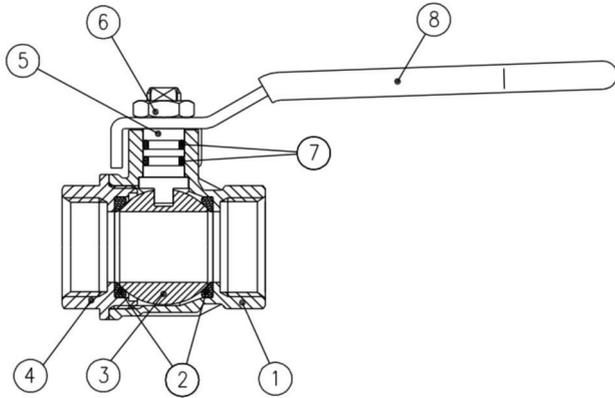
- AISI 316 stainless steel ball and/or stem
- Glass filled PTFE ball seals
- Custom Design



## Approved by or in compliance with:

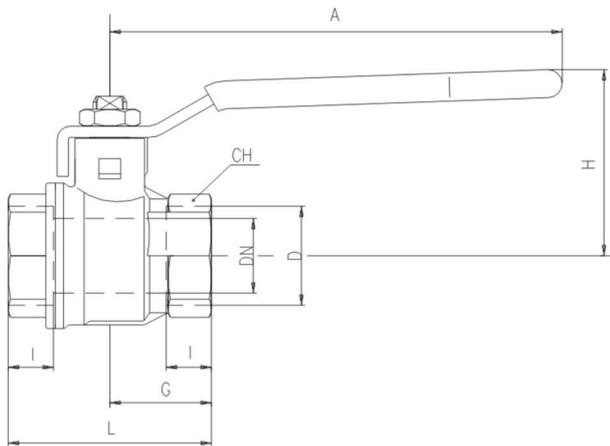
- Water Regulation Advisor Scheme (United Kingdom)
- GOST-R (Russia)
- Rostekhnadzor (Russia)
- Hygenic (Russia)
- UkrSepro (Ukraine)
- RoHS Compliant

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



1.1/4"-2" Hollow ball

Part Description	Q.ty	Material
1	1	Nickel plated body
2	2	Seat
3	1	Chrome plated ball
4	1	Nickel plated end cap
5	1	Nickel plated stem O-ring design
6	1	Geomet® nut
7	2	O-Ring
8	1	Red PVC coated Geomet® steel handle

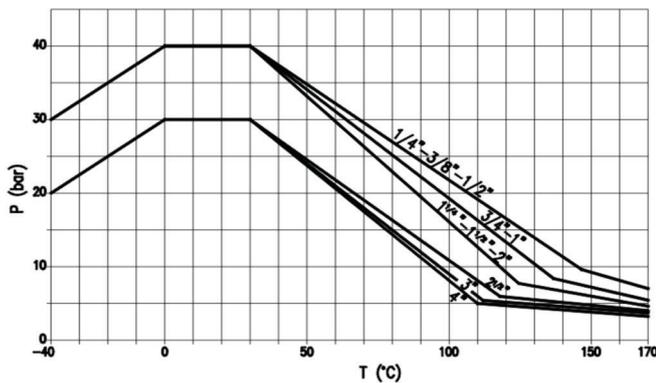


DN shows the nominal flow diameter. Actual flow diameter complies with full port DIN 3357 part 4. Stem configuration of valves over 2" is slightly different. Ask for details at our Service Center

Code	S90B00	S90C00	S90D00	S90E00	S90F00	S90G00	S90H00	S90I00	S90L00	S90M00	S90N00
D (inch)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
DN (mm)	8	10	15	20	25	32	40	50	65	80	100
I (mm)	9	9	11	12	14	15	17	19	22	25	29
L (mm)	39	39	50	54	67	77	90	106	136	157	191
G (mm)	19.5	19.5	25	27	33.5	38.5	45	53	68	78.5	95.5
A (mm)	82	82	100	120	120	158	158	158	255	255	255
H (mm)	38	38	43	50	54	73	79	86	132	140	154
CH (mm)	20	20	25	31	38	48	54	66	85	99	125

Ball valves are marked CE on handle from 1.1/4" to 2", on body over 2" as follow: CE XXCODEXX Cat I-A

## Pressure-Temperature Chart



## Pressure Drop Chart

