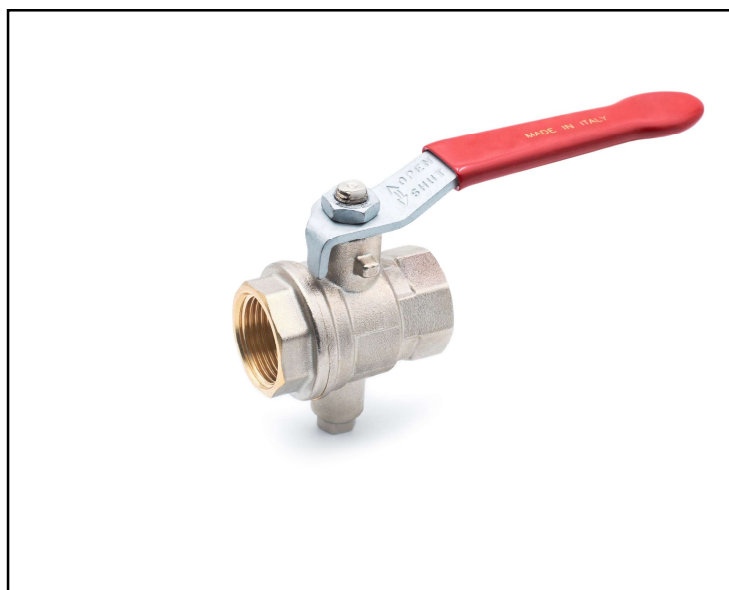


## Features

- High quality full port DIN 3357 hot forged brass valve with probe holder for sensor
- Tapped bottom M10x1 connection for temperature detector and other devices at user's option
- Dual sealing system
- Silicone-free lubricant on all seals
- No metal-to-metal moving parts
- 24h 100% seal test guaranteed
- No maintenance ever required
- Geomet® carbon steel handle with thick PVC dip coating. Handle coating offers both thermal and electrical protection
- 30 bar (450 PSI) non-shock cold working pressure
- Temperature: -20°C to +170°C

## RS PRO Brass Full port Ball valve with probe holder for sensor, 2 way valve, threaded ISO228 female by female threads, red LEVER handle, 30 bar

RS Stock No.: **0690667**



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

RS PRO range of brass manual ball valves with probe holder for sensor.

Manual ball valves are used to operate shut off valves which control water flow and pressure. These quarter turn brass full-bore ball valves have a lever style operating handle and are suitable for high temperature hot water services in domestic, commercial and industrial applications.

The probe holder allows direct insertion of sensors for measuring pressure or temperature, hence granting important cost saving: less number of components and less assembly operations, enhanced tightness, thanks to the elimination of possible leakage points.

Quick and easy assembly, maintenance and cleaning.

Applications:

- Measure of pressure or temperature in heat pumps installations:
- Measure of pressure or temperature in floor heating installations:
- Measure of pressure or temperature in firefighting installations:

Thanks to Silicone-free lubricant on all seals, s94 may be used in automotive plants and installations.

Available configurations:

0690665	BALL VALVE 1/2"
0690666	BALL VALVE 3/4"
0690667	BALL VALVE 1"
0690668	BALL VALVE 1.1/4"
0690670	BALL VALVE 1.1/2"
0690671	BALL VALVE 2"

## General Specifications

Threaded Connection	ISO 228 parallel female by female threads
Attachment Type	Threaded
Bottom	Tapped bottom M10x1 connection for temperature detector and other devices at user's option
Body Material	Brass
Thread Size	1" – DN 25
Flow	Full port to DIN 3357 for maximum flow
Stem	Blowout-proof nickel-plated brass stem Maintenance-free, double FPM O-rings at the stem for maximum safety
Application	Ball valve with probe holder allows direct insertion of sensors for measuring pressure or temperature

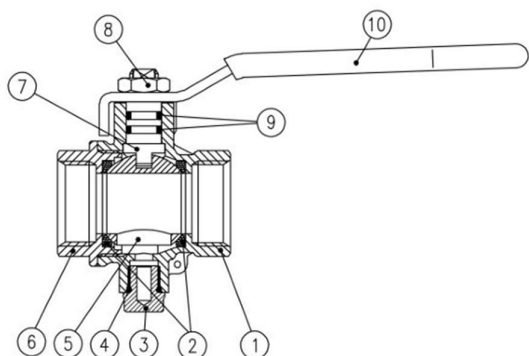
## Operation Specifications

Maximum working pressure	30 bar (450 PSI) non-shock cold working pressure
Working temperature	- 20°C to +170°C (-4°F to +350°F) WARNING: freezing of the fluid in the installation may severely damage the valve

## Approvals

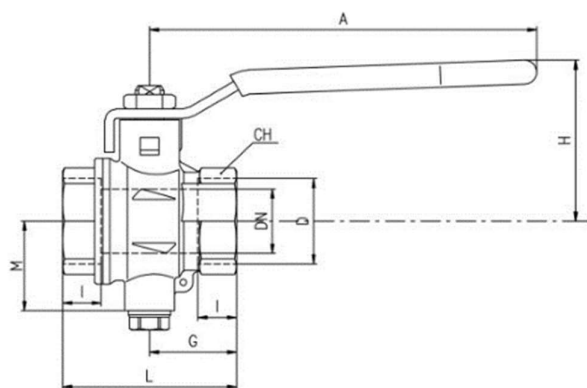
Compliance/Certifications	GOST-R (Russia) EAC – Declaration of conformity (Russia, Kazakhstan, Belarus) RoHS Compliant (EU)
PED directive	According to 2014/68/UE module A: it cannot be used with dangerous gases in sizes larger than 25mm

## Mechanical Specifications



	PART DESCRIPTION	Q.TY	MATERIAL
1	Nickel plated body (external treatment)	1	CW617N
2	Seat	2	PTFE
3	Cap	1	CW617N
4	O-Ring	1	FPM
5	Chrome plated ball	1	CW617N
6	Nickel plated end-cap (external treatment)	1	CW617N
7	Nickel plated stem O-ring design	1	CW617N
8	Geomet® nut	1	CB4FF (EN10263-2)
9	O-Ring	2	FPM
10	Red PVC coated Geomet® steel handle	1	DD11 (EN10111)

1.1/4" - 2" hollow ball

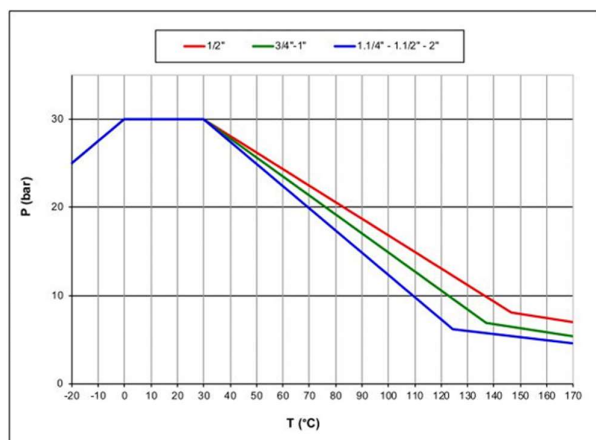


D (inch)	1/2	3/4	1	1 1/4	1 1/2	2
DN(mm)	15	20	25	32	40	50
I (mm)	11	12	14	15	17	19
L (mm)	50	54	67	77	90	106
G (mm)	25	27	33.5	38.5	45	53
M (mm)	32	30	32	38	44.3	51.3
A (mm)	100	120	120	158	158	158
H (mm)	43	50	54	73	79	86
CH(mm)	25	31	40	49	54	68.5
Kv (m³/h)	28	36	62	79	124	178

DN shows the nominal flow diameter. Actual flow diameter complies with full port DIN 3357 part 4.

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

Pressure-temperature chart



Pressure drop chart

