ENGLISH

Datasheet
s.90
full port ¼”-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, external 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
- Glass filled PTFE seals
- Custom Design

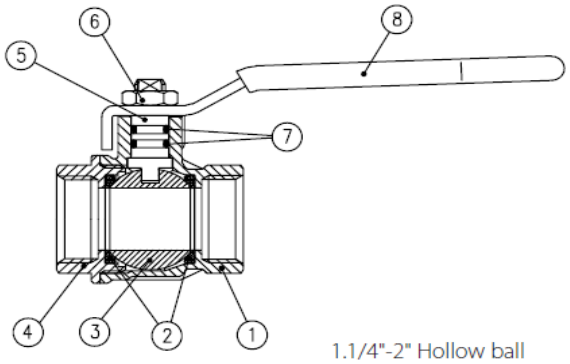
RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.

ENGLISH

Approved by or in compliance with:

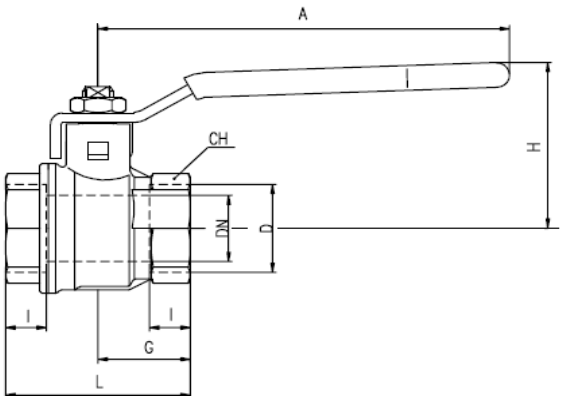
- Water Regulations Advisory Scheme (United Kingdom)
- GOST-R (Russia)
- Hygiene and epidemic center in Moscow city (Russia)
- UkrSepro (Ukraine)
- RoHS Compliant
- EAC - Declaration of conformity (Russia-Kazakhstan-Belarus)

NOTE: Approvals apply to specific configurations/sizes only.



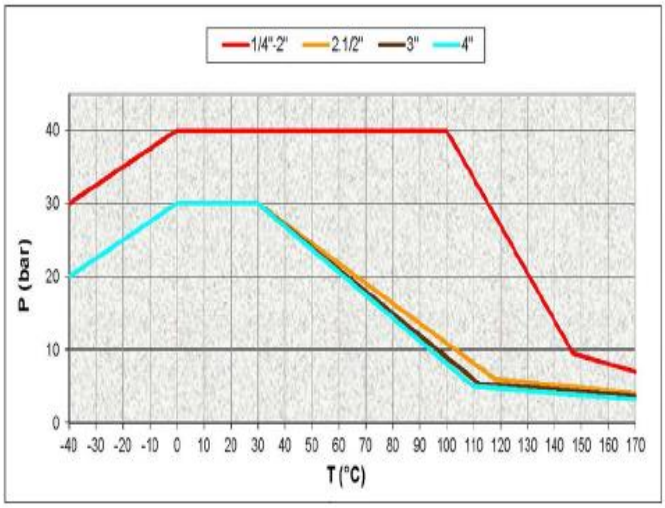
1.1/4"-2" Hollow ball

	PART DESCRIPTION	Q.TY	MATERIAL
1	Nickel plated body (external nickel plated, unplated inside up to 2")	1	CW617N
2	Seat	2	PTFE
3	Chrome plated ball	1	CW617N
4	Nickel plated end cap (external nickel plated, unplated inside up to 2")	1	CW617N
5	Nickel plated stem O-ring design	1	CW617N
6	Geomet® nut	1	CB4FF
7	O-Ring	2	FPM
8	Red PVC coated Geomet® steel handle	1	DD11

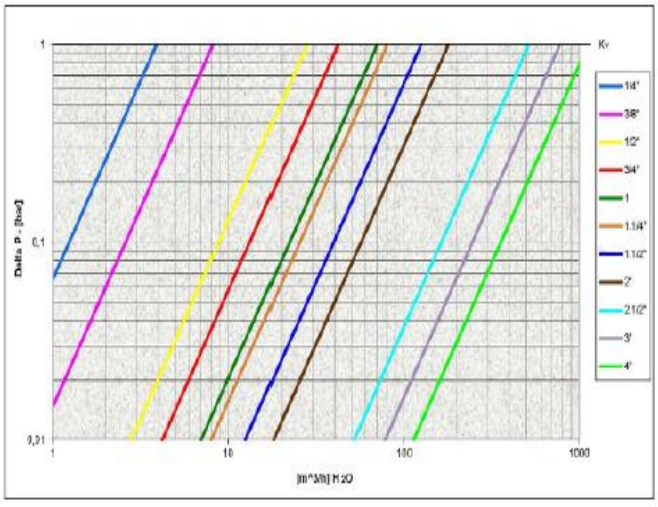


Code	S90B00	S90C00	S90D00	S90E00	S90F00	S90G00	S90H00	S90I00	S90L00	S90M00	S90N00
D (inch)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
DN (mm)	8	10	15	20	25	32	40	50	65	80	100
I (mm)	9	9	11	12	14	15	17	19	22	25	29
L (mm)	39	39	50	54	67	77	90	106	136	157	191
G (mm)	19,5	19,5	25	27	33,5	38,5	45	53	68	78,5	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

Pressure-Temperature Chart



Pressure Drop Chart



RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.