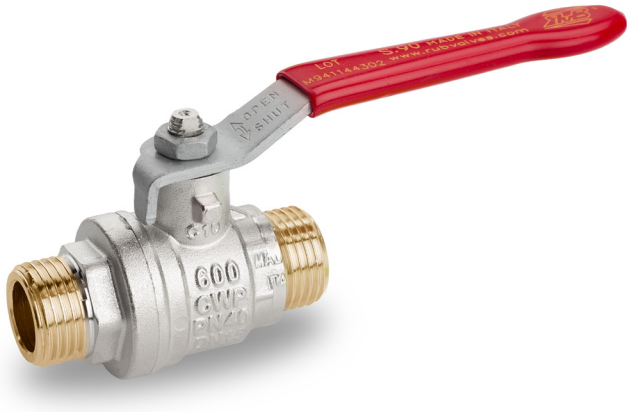
s.90 M/M

1/4" - 2"
ISO 228



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
• Handle stops on body to avoid stress 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 specifications

Stem
• Blowout-proof nickel plated brass stem
• Maintenance-free, double FPM O-rings at the stem for maximum safety

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

Threads
• ISO 228 parallel male by male 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 & temperature
• 40 bar (600 PSI) non-shock cold working pressure
• -40°C to +180°C (-40°F to +356°F)
• **WARNING:** freezing of the fluid in the installation may severely damage the valve

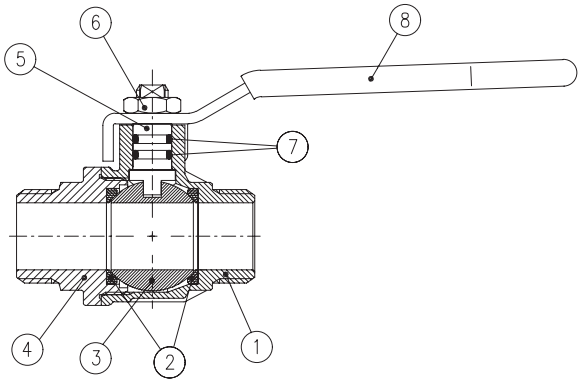
Options
• Stem extension
• T-handle
• Stainless steel handle (1.4016 / AISI 430)
• Patented locking device
• Dezincification resistant brass body and components
• Oval lockable handle
• Female by female threads.
• Female by male threads.
• Stubby handle
• ***RuB*** memory stop is designed to be installed with our stubby handle

Upon request
• Stainless steel ball (1.4401 / AISI 316)
• Glass filled PTFE seals
• Custom design

PED directive
• According to 2014/68/UE module A: it cannot be used with dangerous gases in sizes larger than 25mm

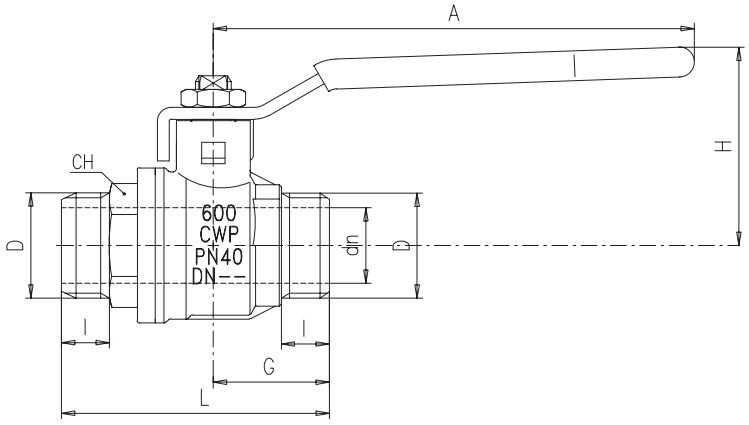
Approved by or in compliance with
• Water Regulations Advisory Scheme (United Kingdom)
• GOST-R (Russia)
• EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)
• RoHS Compliant (EU)

NOTE: approvals apply to specific configurations/sizes only.



1 ¼"-2" hollow ball

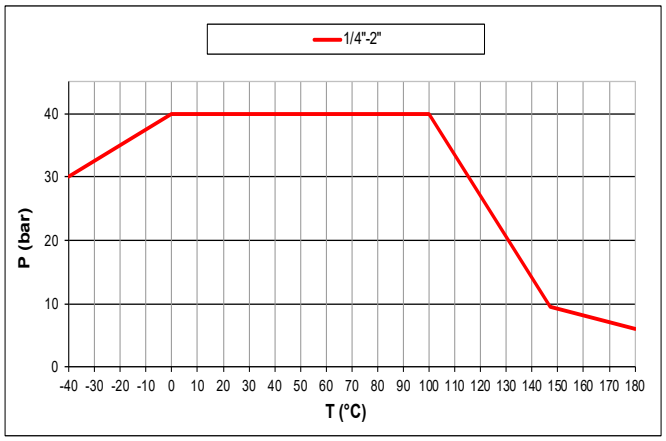
	Part description	Q.ty	Material
1	Nickel plated body (external nickel plated, unplated inside)	1	CW617N
2	Seat	2	PTFE
3	Chrome plated ball	1	CW617N
4	Nickel plated end-cap (external nickel plated, unplated inside)	1	CW617N
5	Nickel plated stem O-ring design	1	CW617N
6	Geomet® nut	1	CB4FF (EN10263-2)
7	O-ring	2	FPM
8	Red PVC coated Geomet® steel handle	1	DD11 (EN10111)



Code	S90B22	S90C22	S90D22	S90E22	S90F22	S90G22	S90H22	S90I22
D (inch)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
DN (mm)	8	10	15	20	25	32	40	50
l (mm)	9	9	11	12	14	15	17	19
L (mm)	50.5	50.5	62	67	80	91.5	103	120
G (mm)	21	21	27	29	36	41	48	56
A (mm)	82	82	100	120	120	158	158	158
H (mm)	38	38	43	50	54	73	79	86
CH (mm)	15	18	22	27	35	44	54	68
Kv(m^3/h)	3.9	8.2	28	42	70	80	125	179

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 ¼" to 2":
CE XXCODEXX Cat I-A

Pressure-temperature chart



Pressure drop chart