

Features

- High quality full port brass ball valves
- WRAS & ACS APPROVED
- 24h 100% seal test guaranteed
- Pure PTFE self-lubricating seats with flexible-lip design
- Full port to DIN 3357 for maximum flow
- Maintenance-free, double O-rings at the stem for maximum safety
- Blowout-proof nickel plated brass stem
- Working pressure 40 bar (600 PSI) up to 2", 30 bar (450 PSI) over 2"
- Temperature range: -40°C to +180°C
- Geomet® carbon steel handle with thick PVC dip coating. Handle coating offers both thermal and electrical protection

RS PRO Brass Full Port Ball valve, 2 way ball valve threaded ISO 228, red lever, WRAS & ACS approved

RS Stock No.: **0780850**



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.

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 all domestic systems, heating or sanitary, compressed air, in general with any kind of non-corrosive fluid in domestic, commercial and industrial applications.

- Lever handle ball valve 1/4 inch
- Lever handle ball valve 3/8 inch
- Lever handle ball valve 1/2 inch
- Lever handle ball valve 3/4 inch
- Lever handle ball valve 1 inch
- Lever handle ball valve 1-1/4 inch
- Lever handle ball valve 1 1/2 inch
- Lever handle ball valve 2 inch
- Lever handle ball valve 2 1/2 inch
- Lever handle ball valve 3 inch
- Lever handle ball valve 4 inch

General Specifications

Threaded Connection	BSPP - ISO 228 parallel female by female threads
Body Material	Brass
Flow	Full port to DIN 3357 for maximum flow
Thread Size	1"1/2 - DN 40
Safe For Use With	Air, Oil, Steam, Water
Type	2-way valve
Application	Drinking water systems, Heating systems, Water treatment, Liquid flow control, firefighting systems

Operation Specifications

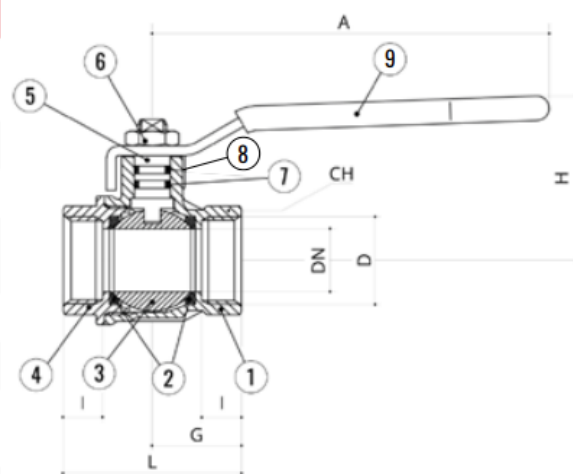
Maximum working pressure	40 bar (600 PSI) up to 2", 30 bar (450 PSI) over 2" non-shock cold working pressure
Working temperature	-40°C to +180°C (-40°F to +356°F) • WARNING: freezing of the fluid in the installation may severely damage the valve

Approvals

Compliance/Certifications	• Water Regulations Advisory Scheme (United Kingdom) for sizes 1/4" to 2" • EAC – Declaration of conformity (Russia, Kazakhstan, Belarus) • RoHS Compliant (EU) • Attestation de Conformité Sanitaire (France) for sizes 1/4" to 2"
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 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	C4C (EN10263-2)
7	O-ring	1	EPDM for sizes 1/4" - 2" FPM for sizes 2 1/2" - 4"
8	O-ring	1	FPM
9	Red PVC coated Geomet® steel handle	1	DD11 (EN10111)



1 1/4"-2" hollow ball

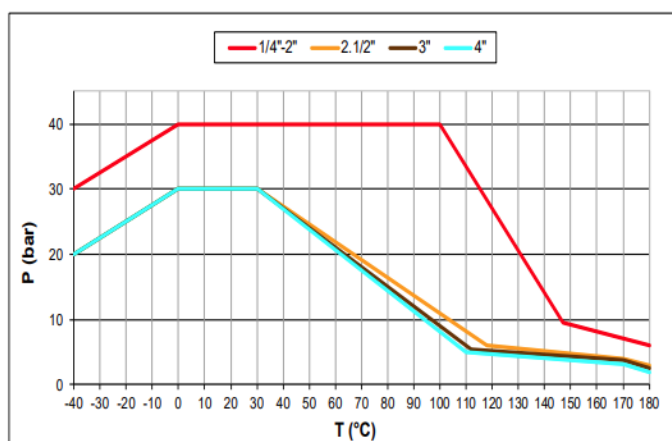
Compliant to CE 2014/68/UE product Equipment category I Module A

D (Size)	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)	17	20	25	31	38	48	54	66	85	99	125
Kv (m³/h)	3,9	8,2	28	42	70	80	125	179	516	776	1130

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. 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

