

## 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)
- Temperature range: -40°C to +180°C

## RS PRO Brass Full Port Ball valve, M/F 2-way ball valve threaded ISO 228, T-handle, WRAS & ACS approved

RS Stock No.: **0780868**



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 T-handle 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.

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

## General Specifications

|                            |                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Threaded Connection</b> | BSPP - ISO 228 parallel female by female threads                                                    |
| <b>Body Material</b>       | Brass                                                                                               |
| <b>Flow</b>                | Full port to DIN 3357 for maximum flow                                                              |
| <b>Size</b>                | 1/4" DN 8                                                                                           |
| <b>Safe For Use With</b>   | Air, Oil, Steam, Water                                                                              |
| <b>Type</b>                | 2-way valve                                                                                         |
| <b>Application</b>         | Drinking water systems, Heating systems, Water treatment, Liquid flow control, firefighting systems |

## Operation Specifications

|                          |                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Maximum working pressure | 40 bar (600 PSI) non-shock cold working pressure                                                                        |
| Working temperature      | -40°C to +180°C (-40°F to +356°F)<br>• WARNING: freezing of the fluid in the installation may severely damage the valve |

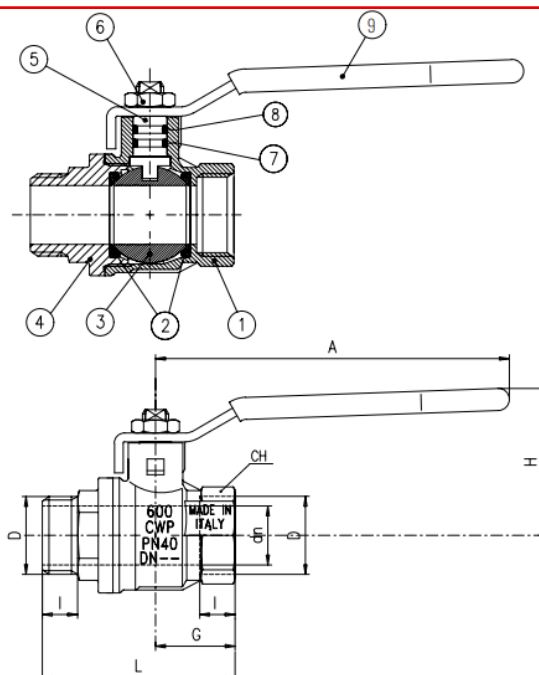
## Approvals

|                           |                                                                                                                                                                                                                                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compliance/Certifications | <ul style="list-style-type: none"><li>• Water Regulations Advisory Scheme (United Kingdom)</li><li>• EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)</li><li>• RoHS Compliant (EU)</li><li>• Attestation de Conformité Sanitaire (France)</li></ul> |
| 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)    | 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    | C4C (EN10263-2) |
| 7 | O-ring                                                          | 1    | EPDM            |
| 8 | O-ring                                                          | 1    | FPM             |
| 9 | Red PVC coated Geomet® steel handle                             | 1    | DD11 (EN10111)  |

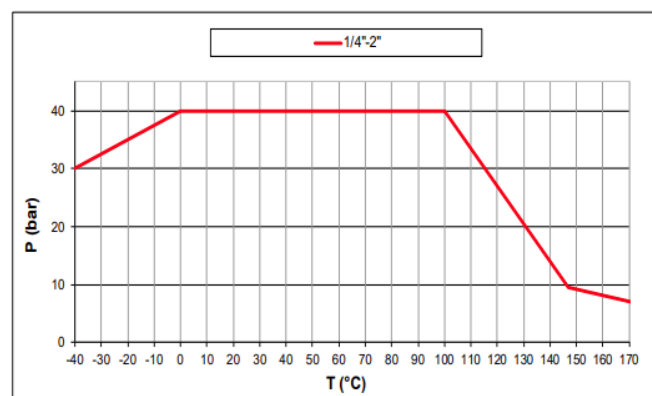
1 1/4"-2" hollow ball



| D (Size)  | 1/4" | 3/8" | 1/2" | 3/4" | 1"  |
|-----------|------|------|------|------|-----|
| DN (mm)   | 8    | 10   | 15   | 20   | 25  |
| I (mm)    | 9    | 9    | 11   | 12   | 14  |
| L (mm)    | 50.5 | 50.5 | 62   | 67   | 80  |
| G (mm)    | 21   | 21   | 27   | 29   | 36  |
| A (mm)    | 82   | 82   | 100  | 120  | 120 |
| H (mm)    | 38   | 38   | 43   | 50   | 54  |
| CH (mm)   | 15   | 18   | 22   | 27   | 35  |
| Kv (m³/h) | 3,9  | 8,2  | 28   | 42   | 70  |

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": CE XXCODEXX Cat I-A

### PRESSURE-TEMPERATURE CHART



### PRESSURE DROP CHART

