

## Features

- 3-way T-port  
Four seats design for mixing of various fluids in the system
- Pure PTFE self-lubricating seats with flexible-lip design
- Integrated ISO 5211 /DIN 3337 mounting flange for universal connection to actuator
- EN 10226-1, ISO 228 parallel female threads
- Geomet® carbon steel handle with thick PVC dip coating for both thermal and electrical protection
- 100% full port for maximum flow
- 20 bar (300 PSI) non-shock cold working pressure
- Temperature: -20°C to +150°C
- Electronic 100% seal test guaranteed.

## RS PRO Brass Full port 3-way ball valve with black lever, 4 seats, T-port, threaded EN 10226-1, female threads, 20 bar

RS Stock No.: **0854405**



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 3-WAY brass manual ball valves, 4 SEATS – T-PORT.

The s.7300L series has a ball seal at every port and offers a wide variety of possible flow configurations. Shut-off can be achieved at any of the exiting ports by specifying the appropriate ball port configuration, the T-port design allows flow direction to be adjusted for virtually any situation and is ideal for mixing applications.

Our s.73 multi-port valves can reduce the number of valves required in piping systems and can significantly lower overall costs by replacing two or three conventional 2-way valves, eliminating excess fittings, saving space and simplifying automation.

Thanks to Silicone-free lubricant on all seals, s73L may be used in automotive plants and installations.

Available configurations:

|         |                                           |
|---------|-------------------------------------------|
| 0854398 | 3-WAY VALVE S.73 1/4" BSPP T-PORT LEVER   |
| 0854399 | 3-WAY VALVE S.73 3/8" BSPP T-PORT LEVER   |
| 0854400 | 3-WAY VALVE S.73 1/2" BSPP T-PORT LEVER   |
| 0854401 | 3-WAY VALVE S.73 3/4" BSPP T-PORT LEVER   |
| 0854402 | 3-WAY VALVE S.73 1" BSPP T-PORT LEVER     |
| 0854404 | 3-WAY VALVE S.73 1 1/4" BSPP T-PORT LEVER |
| 0854405 | 3-WAY VALVE S.73 1 1/2" BSPP T-PORT LEVER |
| 0854406 | 3-WAY VALVE S.73 2" BSPP T-PORT LEVER     |

## General Specifications

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Threaded Connection | EN 10226-1, ISO 228 parallel female threads                                                                         |
| Attachment Type     | Threaded                                                                                                            |
| Body Material       | Nickel plated brass body<br>Chrome plated brass ball for longer life                                                |
| Thread Size         | 1 1/2" – DN 38                                                                                                      |
| Flow                | 100% full port for maximum flow                                                                                     |
| Stem                | Blowout-proof nickel-plated brass stem<br>Maintenance-free, double FPM O-rings at the stem for maximum safety       |
| Application         | T-port design allows flow direction to be adjusted for virtually any situation and is ideal for mixing applications |

## Operation Specifications

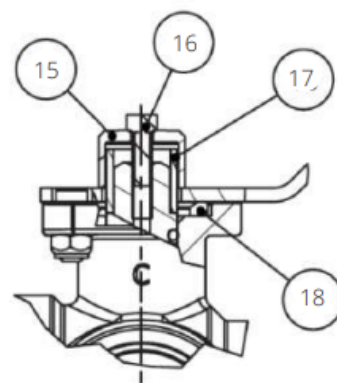
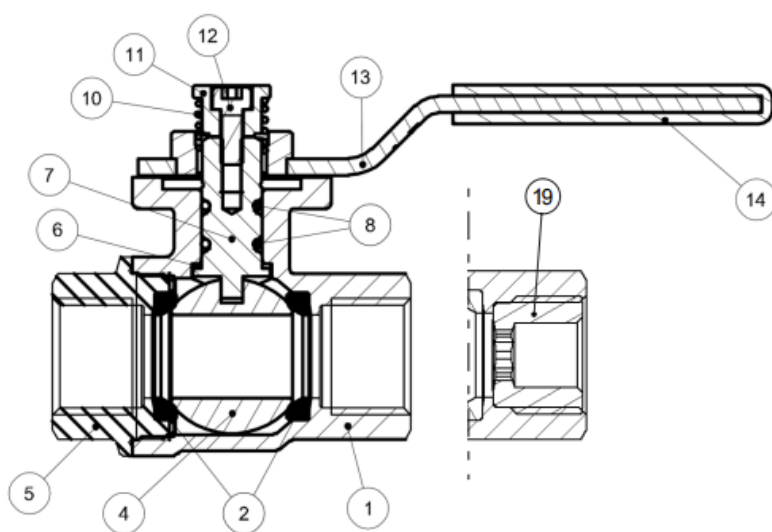
|                          |                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Maximum working pressure | 20 bar (300 PSI) non-shock cold working pressure                                                                      |
| Working temperature      | - 20°C to +150°C (-4°F to +302°F)<br>WARNING: freezing of the fluid in the installation may severely damage the valve |

## Approvals

|                           |                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Compliance/Certifications | RoHS Compliant (EU)<br>EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)                                        |
| PED directive             | The product meets the requirements of PED Directive 2014/68/UE and according to art.4 par.3, it does not require CE marking |

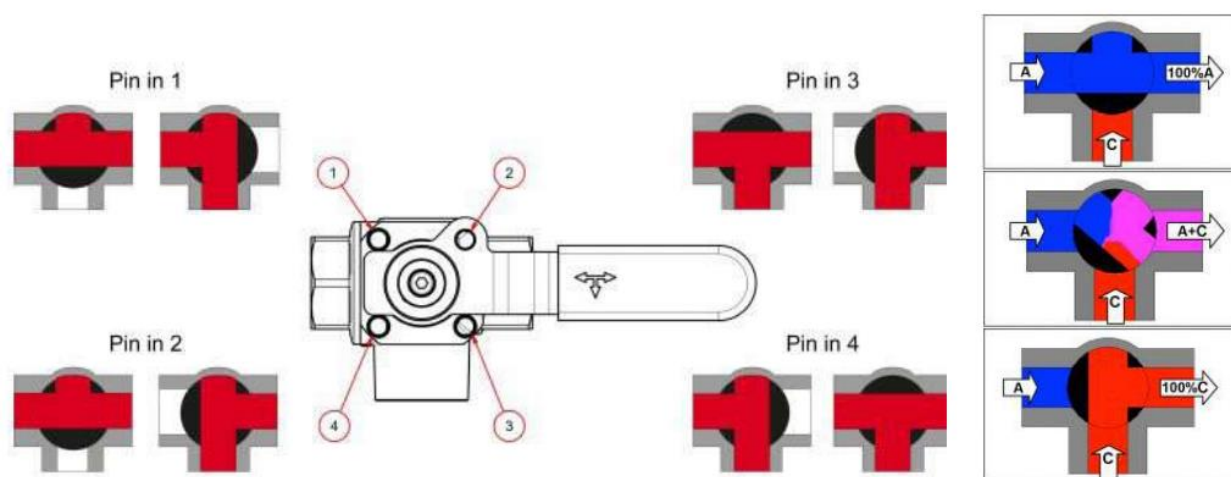
## Mechanical Specifications

|    | Part description                                                | Q.ty | Material               |
|----|-----------------------------------------------------------------|------|------------------------|
| 1  | Nickel plated body (external nickel plated, unplated inside)    | 1    | CW617N                 |
| 2  | Seat                                                            | 2    | PTFE                   |
| 3  | Seat                                                            | 2    | PTFE                   |
| 4  | Chrome plated ball                                              | 1    | CW617N                 |
| 5  | Nickel plated end cap (external nickel plated, unplated inside) | 1    | CW617N                 |
| 6  | Washer                                                          | 1    | PTFE carbon filled 25% |
| 7  | Nickel plated stem O-ring design                                | 1    | CW617N                 |
| 8  | O-Ring                                                          | 2    | FPM                    |
| 9  | Screw handle stop                                               | 1    | CW617N                 |
| 10 | Spring                                                          | 1    | 1.4310 / AISI 302      |
| 11 | Unplated spring bushing                                         | 1    | CW617N                 |
| 12 | Stainless steel screw                                           | 1    | 1.4301 / AISI 304      |
| 13 | Geomet® plated steel handle                                     | 1    | DD11 (EN10111)         |
| 14 | Black dipped coating                                            | 1    | PVC                    |
| 15 | Unplated cap                                                    | 1    | CW614N                 |
| 16 | Stainless steel Hexagonal screw                                 | 1    | 1.4301 / AISI304       |
| 17 | Square adapter 11-14 (only for 1 1/4" size)                     | 1    | Steel                  |
| 18 | Washer                                                          | 1    | PTFE                   |
| 19 | Unplated reduction (only 1/4" and 3/8" sizes)                   | 3    | CW617N                 |

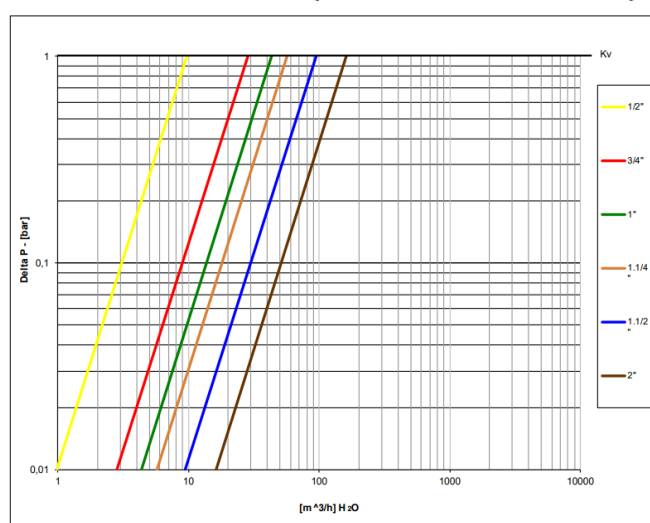


| Size (inch)                                  | 1/4" | 3/8" | 1/2" | 3/4" | 1"   | 1 1/4" | 1 1/2" | 2"    |
|----------------------------------------------|------|------|------|------|------|--------|--------|-------|
| DN (mm)                                      | 8    | 10   | 15   | 20   | 25   | 30.4   | 38     | 48    |
| I (mm)                                       | 12   | 12   | 16.5 | 19   | 22.5 | 25     | 26     | 29    |
| L (mm)                                       | 65   | 65   | 65   | 79   | 92.5 | 109.5  | 126    | 150   |
| G (mm)                                       | 32.5 | 32.5 | 32.5 | 39.5 | 46.5 | 55     | 63     | 75    |
| H (mm)                                       | 32.5 | 32.5 | 32.5 | 39.5 | 42.5 | 56     | 62.5   | 72    |
| N (mm)                                       | 34.5 | 34.5 | 34.5 | 42   | 49.5 | 60     | 69     | 82    |
| ØA (mm)                                      | 36   | 36   | 36   | 36   | 36   | 50     | 50     | 50    |
| ØC (mm)                                      | Ø5.6 | Ø5.6 | Ø5.6 | Ø5.6 | Ø5.6 | Ø6.6   | Ø6.6   | Ø6.6  |
| p (mm)                                       | 103  | 103  | 103  | 103  | 103  | 145    | 145    | 145   |
| H1 (mm)                                      | 49   | 49   | 49   | 56   | 59   | 79.3   | 85.5   | 93.4  |
| S (mm)                                       | 2.2  | 2.2  | 2.2  | 2.2  | 2.2  | 3.2    | 3.2    | 3.2   |
| T (mm)                                       | 10   | 10   | 10   | 10   | 10   | 14     | 14     | 14    |
| F (mm)                                       | 7.3  | 7.3  | 7.3  | 8.3  | 8.3  | 14.5   | 14.5   | 14.5  |
| CH (mm)                                      | 27   | 27   | 27   | 32   | 41   | 50     | 55     | 70    |
| Flange connection<br>DIN ISO 522<br>DIN 3337 | F03  | F03  | F03  | F03  | F03  | F05    | F05    | F05   |
| Kv (m³/h)<br>straight pattern                | TBD  | TBD  | 9.7  | 28.2 | 43.3 | 57.0   | 94.5   | 161.0 |
| Kv (m³/h)<br>90° pattern                     | TBD  | TBD  | 5.3  | 11.6 | 16.8 | 26.7   | 43.3   | 69.2  |

With the configuration of T-port a stop pin can be fixed in any position of the 4 provided in the flange (1, 2, 3 or 4) and the lever can be rotated freely through 90°, the flow assumes the directions indicated in the diagram; in case of need the lever can be pulled upwards and you can reach any of the four possible positions. An alternative is to mount 2 pins in 2 near holes (e.g. 1 and 2). In this case, the valve does not assume a predetermined position but can be actuated just by pulling the lever towards the top. The valve allows also to block the lever thanks to the addition of a lock on the lever's protrusion (in the drawing you can see position 2). The mixing configuration is achieved by placing the pin in position 2. The flows to be mixed enter through A and C and exit through A+C



**PRESSURE DROP CHART (STRAIGHT FLOW PATTERN)**



**PRESSURE DROP CHART (90° FLOW PATTERN)**

