



## ORIGINAL L-85 & L-86 VALVES

Quarter-turn angle ball valves for surface mounting where the connection is made by threaded ends.

- European Brass, DW (4MS) quality for use in drinking water installations.
- The knurled inlet thread make it easy to apply the sealant.
- 100% valves are tested for inner leakage.
- Strong one-piece body construction for secure installations.
- Double o-ring, ensures external leaktightness.



## TECHNICAL SHEET ORIGINAL L-85 & L-86 VALVES

### PRODUCT DESCRIPTION

Quarter-turn angle ball valves for surface mounting with manual operation, where the connection is made by threaded ends.

Some models are built-in check valve to prevent contamination of drinking water by backflow.

### PRODUCT SCOPE

Designed for indoor plumbing installations, allowing individual shut-off of the water supply to washing machines and dishwashers.

The L-86 model is compact and vertically operated, allowing access to the handle from the top, for example, when the washing machine socket is behind it.

### GENERAL DIMENSIONS, PRESSURE AND TEMPERATURE

#### L-85

| Code  | Size    | A (mm) | B (mm) | C (mm) | PN (bar) | Temp. (°C)* |
|-------|---------|--------|--------|--------|----------|-------------|
| 00728 | 1/2X3/4 | 79     | 45     | 33     | 16       | 0 to 95     |

\* Freezing is excluded.

\*\* Includes blue index.

#### L-85 WITH CHECK VALVE

| Code  | Size    | A (mm) | B (mm) | C (mm) | PN (bar) | Temp. (°C)* |
|-------|---------|--------|--------|--------|----------|-------------|
| RT733 | 1/2X3/4 | 79     | 45     | 38     | 16       | 0 to 95     |

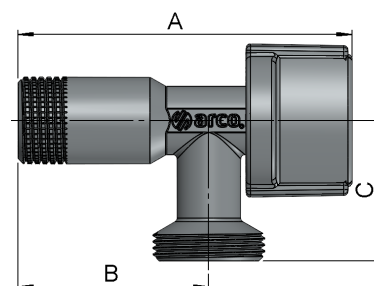
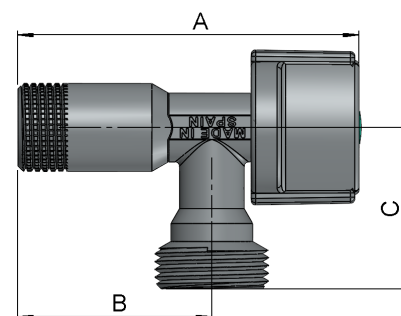
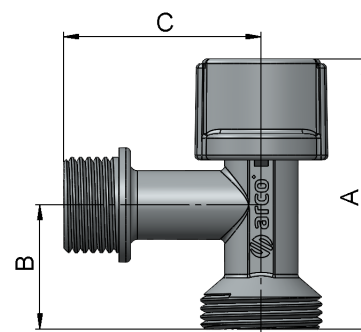
\* Freezing is excluded.

\*\* Includes blue index.

#### L-86

| Code  | Size    | A (mm) | B (mm) | C (mm) | PN (bar) | Temp. (°C)* |
|-------|---------|--------|--------|--------|----------|-------------|
| 00729 | 1/2X3/4 | 59     | 27     | 43     | 16       | 0 to 95     |

\* Freezing is excluded.



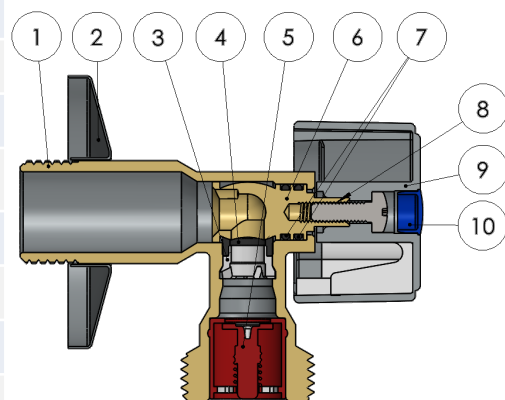


## MATERIALES

### L-85

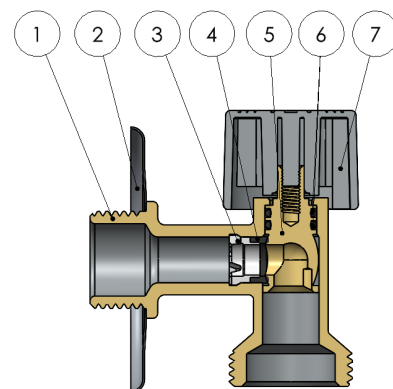
| Item | Component       | Material        | Finishing     |
|------|-----------------|-----------------|---------------|
| 1    | Body            | Brass CW617N    | Chrome plated |
| 2    | Rosette         | Stainless steel | -             |
| 3    | Supporting clip | POM             | -             |
| 4    | Seat            | NBR             | -             |
| 5    | *Check valve    | POM + Inox.     | Red           |
| 6    | Stem-ball       | Brass CW614N    | Brass color   |
| 7    | O-rings         | NBR             | -             |
| 8    | Screw           | Stainless steel | -             |
| 9    | Handle          | ABS             | Chrome plated |
| 10   | Index           | ABS             | Blue          |

\* Only on the model RT733.



### L-86

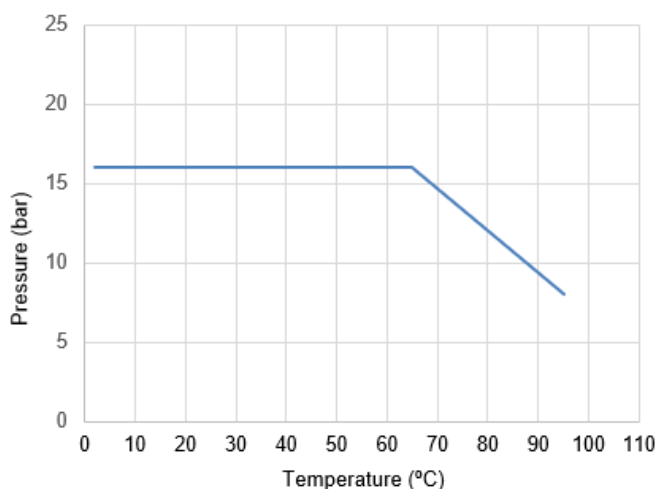
| Item | Component       | Material        | Finishing       |
|------|-----------------|-----------------|-----------------|
| 1    | Body            | Brass CW617N    | Chrome plated   |
| 2    | Rosette         | Stainless steel | Stainless steel |
| 3    | Supporting clip | POM             | -               |
| 4    | Seat            | NBR             | -               |
| 5    | Stem-ball       | Brass CW614N    | Brass color     |
| 6    | O-rings         | NBR             | -               |
| 7    | Handle          | ABS             | Chrome plated   |





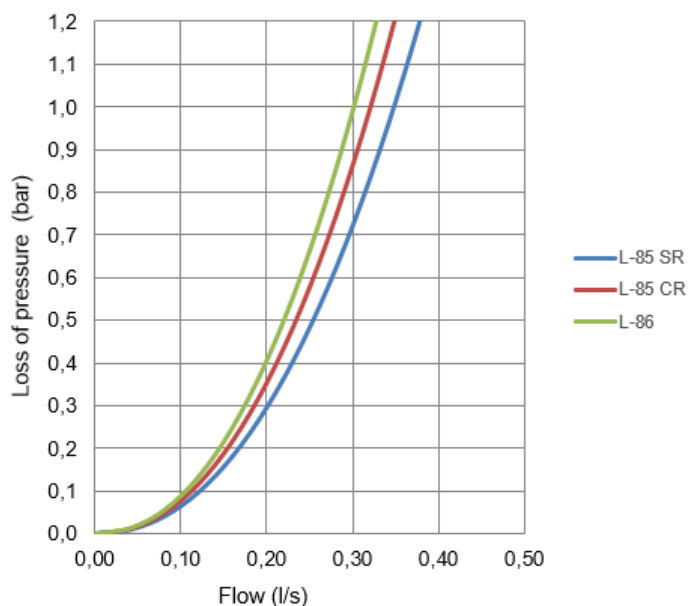
## TECHNICAL DATA

### Pressure vs. temperature



Temperature range excludes freezing.

### Hydraulic features. Flow vs. loss of pressure.



### Compatibility with fluids

| Fluid                                 | Compatibility |
|---------------------------------------|---------------|
| Drinking water and domestic hot water | Excellent     |

For any other fluid, please contact Arco technical service.

| Size | L-85 SR<br>Without<br>Check Valve | L-85 CR<br>With Check<br>Valve | L-86 |
|------|-----------------------------------|--------------------------------|------|
| Kv   | 1,25                              | 1,15                           | 1,08 |

Kv (m<sup>3</sup>/h), cubic meters per hour that flow through the valve generating a loss of 1 bar pressure.

## INSTALLATION AND OPERATION INSTRUCTIONS

Before performing any action, the water supply to the installation should be shut off. Make sure there is no dirt or foreign objects in the connection to the network. Apply the appropriate sealing material to the inlet thread of the valve. The valve should be installed with a suitable tool, preferably with a wrench to hold the body. The tool should act on the flat surfaces of the valve body to avoid deforming this area due to excessive pressure from the tool. Restore the water supply and check the tightness of all connections before fixing the valve to service.

Do not alter the assembly of the valve components; replacement or disassembly of the handle may cause external leaks. Quarter-turn valves should always operate in a fully open position.



All products have an environmental impact during its life cycle, even once retired. All the components of this product can be recycled. Once the use is over, leave the valve in any recycling green point. Válvulas Arco reserves the right to change the product or any of its technical specifications without prior notice.

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