



L-94 delta valve



TECNICAL SHEET 07/2015 | IPO2060

SCOPE

L-94 series are 1/4 turn angle stem-ball valves designed for being connect to water pipe systems. They are used to shut off individually water supply to washing machines, dishwashers and other different water supply points to proceed to their repairmen or replacement. This valves are characterized for its compact design, making easier its installation and maneuver in reduced spaces.

They constitute the basic range of ARCO L-94 series.

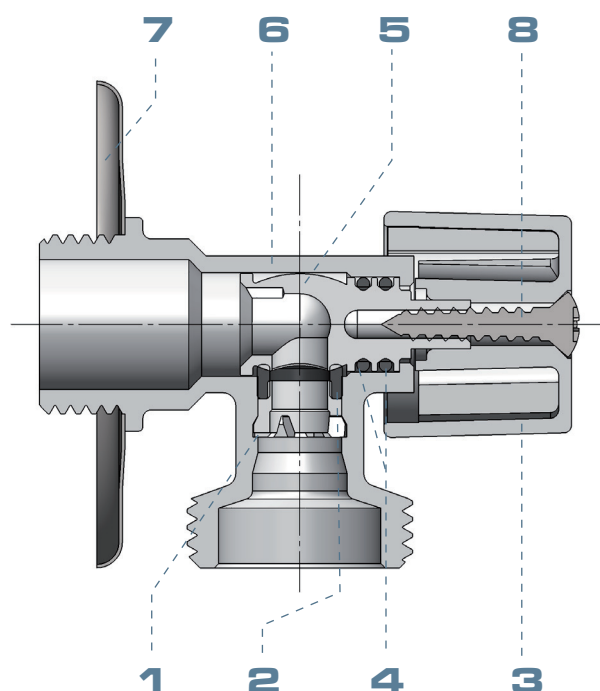
SERVICE CONDITIONS

Nominal pressure:	16 bar
Test pressure:	25 bar
Temperature range:	Cold and hot water up to 95°C
Fluid:	Domestic hot water.

COMPONENTS

Item	Component	Material	Treatment
1	Supporting clip	POM	
2	Washer	NBR	
3	Handle	ABS	Chrome plated
4	O-ring	NBR	
5	Stem-ball	POM	
6	Body	European Brass CW617N	
7	Rosette ₁	Stainless steel	Chrome plated
8	Screw	Stainless steel	

1 According to the models.





MAIN CONSTRUCTIVE FEATURES

COMPACT DESIGN, EASY INSTALLATION

Compact valves, by their dimensions, these valves are suitable when the installation is difficult because the space is reduced.

L-94 models need up to 20% less space to install them than L-85 models.



STEM-BALL

Stem and ball are manufactured in one piece made of POM, which increases its resistance and performance.

This original component from ARCO has been designed to reduce loss of pressure, keeping a constant flow rate and avoiding noise.

LEAKTIGHTNESS

Internal

The supporting clip made of POM is placed in the valve to push the NBR seat against the stem-ball.

This system can not be dismantled, avoiding improper manipulations.

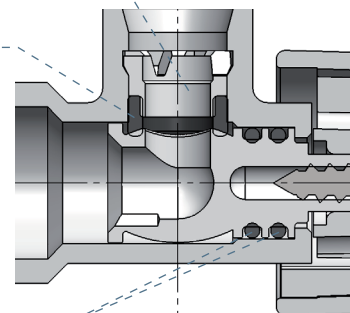
External

A double NBR o-ring placed on the stem assures external leak tightness. This double joint system guarantees safety against external leakage, use, ageing, ...

Supporting clip

Seat

O-rings



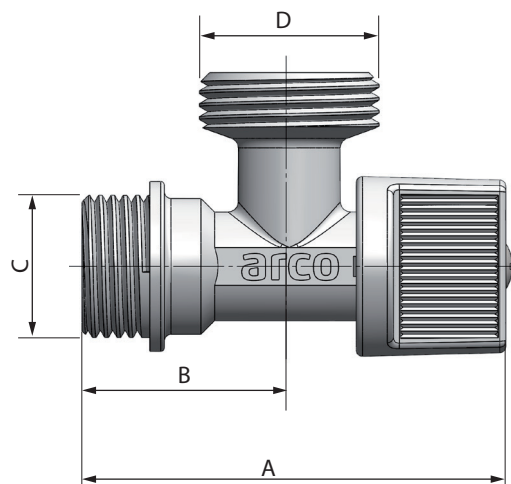


DIMENSIONS

L-94 with DELTA handle

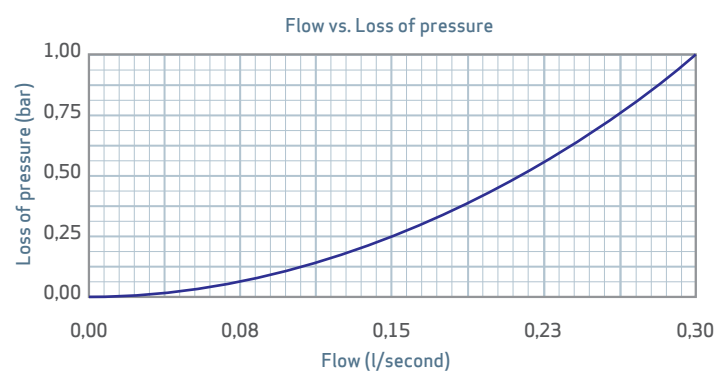
Size	A	B	C	D
1/2 x 3/4	74	30,5	G 1/2A	G 3/4A

G Thread ISO 228



HYDRAULIC FEATURES

Hydraulic characteristics obtained according to EN 1267.





INSTALATION **AND ASSEMBLY**

The installation of valves must be done with the right tool.

The tool should be adjusted to the flat sides of the body of the valve, avoiding the deformation of the zone by high pressure of the tool.

Components of the valve must not be altered. The substitution or dismantling of the handle can cause external leaks.

All quarter turn handle valves should work totally open.

