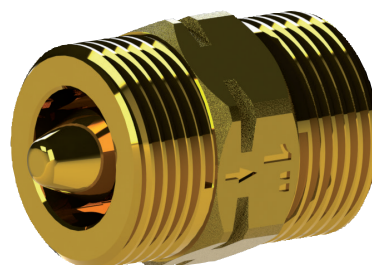




pressure limiter



TECNICAL SHEET 07/2015 | IPO8020

SCOPE

ARCO Pressure limiter is a non-adjustable pressure valve for interior plumbing installations. The valve, limits the pressure 24 hours although there is no water consumption. This allows to protect the plumbing installations, faucets, washer machines, dishwashers... from the adverse effects of a high pressure.

The valve does not require any fit, maintenance and by its small size is suitable for all types of individual installations.

SERVICE CONDITIONS

Minimum input pressure:	5 bar
Maximum input pressure:	16 bar
Prefixed output pressure*:	4 bar
Temperature range:	0°C up to 50°C
Fluid:	Drinking water.

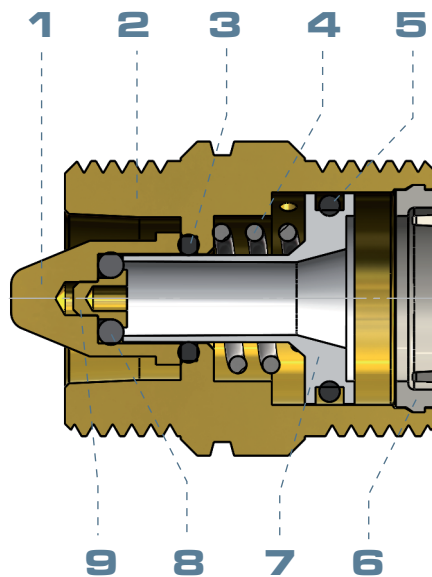
* This prefixed pressure could not be adjustable and corresponds with no consumption or static work conditions.



COMPONENTS

Item	Component	Material	Treatment
1	Inlet cone	European Brass CW614N	Brass color
2	Body	European Brass CW617N	Brass color
3	O-ring	NBR	
4	Spring	Stainless steel	
5	O-ring	FKM	
6	Supporting clip	POM	
7	Émbolo	Plunger	
8	O-ring	NBR	
9	Bracket	European Brass CW614N	Brass color

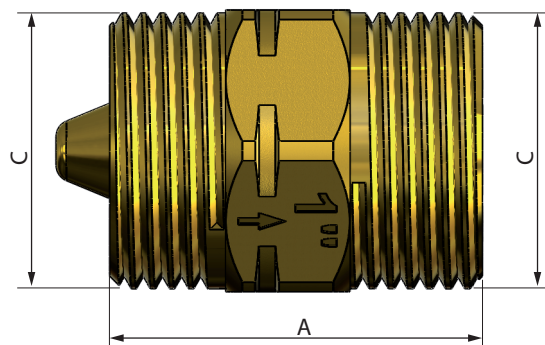
Depending on model, the valve could be supplied with 2 nuts and sleeve.



DIMENSIONS

Size	A	B	C
1MM	45	G1	G1

Threads G ISO 228





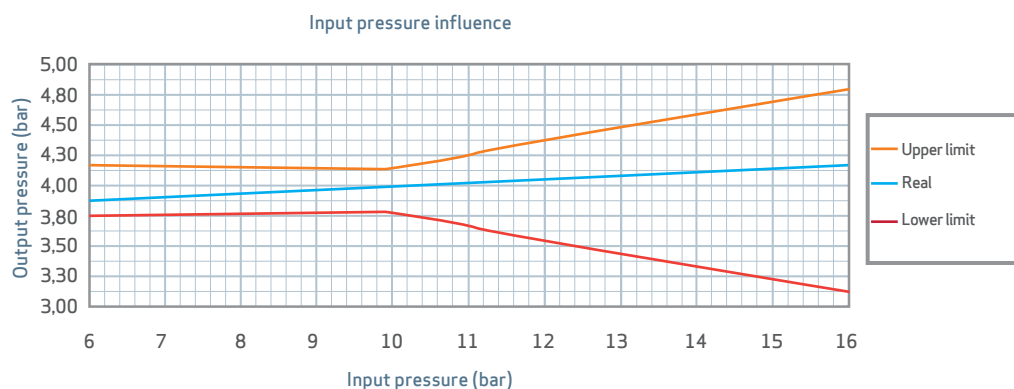
HYDRAULIC FEATURES

Hydraulic features of the pressure limiter have been obtained according to EN 1567 standard.

OUTPUT STATIC PRESSURE

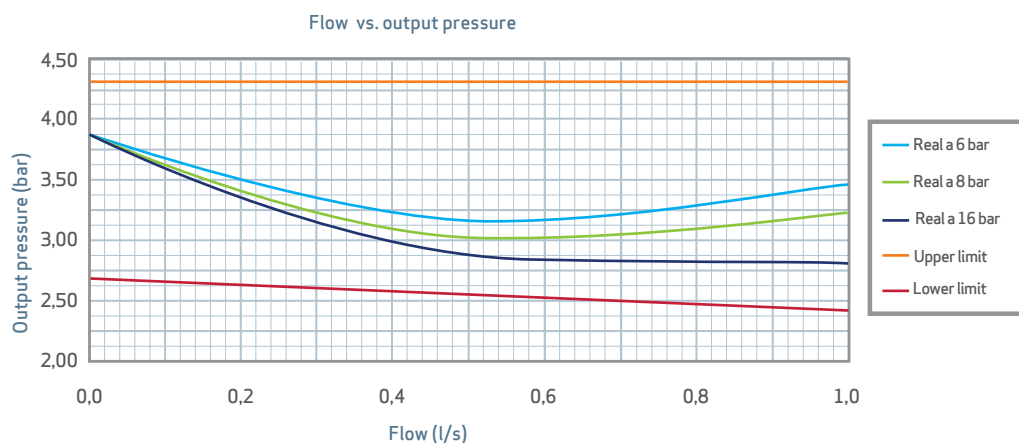
The output static pressure, when there is no water consumption, remains constant at 4 bar independently of the variation of pressure at the inlet of the valve (from 6 to 16 bar)

The next graphic shows the real output pressure (in blue), that it is always between tolerances (in red) established on EN 1567 standard.



OUTPUT PRESSURE VS FLOW

Output pressure vs Flow for different input pressures (6,8 and 16 bar) has been carry out according to EN 1567 standard.





INSTALATION **AND ASSEMBLY**

A proper installation of the pressure limiter, requires the observance of the following aspects:

Install a Y strainer valve before the pressure limiter, to avoid the entry of foreign elements to the internal mechanism of the pressure limiter.

In buildings, the pressure limiter has to be installed in the apartment; never at the wáter meter room to avoid insufficient output pressures.

Install them just in the in home network, not at public or community networks.

They can be install in horizontal or vertical, but always following the direction of the arrow engraved on the body.

The pressure limiter has a hole on one of its laterals, it must not be obstructed.

