



ANGLE VALVES A-80 CHECK VALVE

A-80 SERIE

SCOPE

A-80 with check valve inside is quarter angle brass ball valves designed for being connected to water pipe system. They are used to shut off individually water supply to skins, basins, cisterns and other places to proceed to repair or replace.

These valves are used in the applications described above to prevent water pollution by backflow of water.

A-80 with check valve inside are 1/4 quarter turn valves

SERVICE CONDITIONS

Nominal pressure: 16 bar.

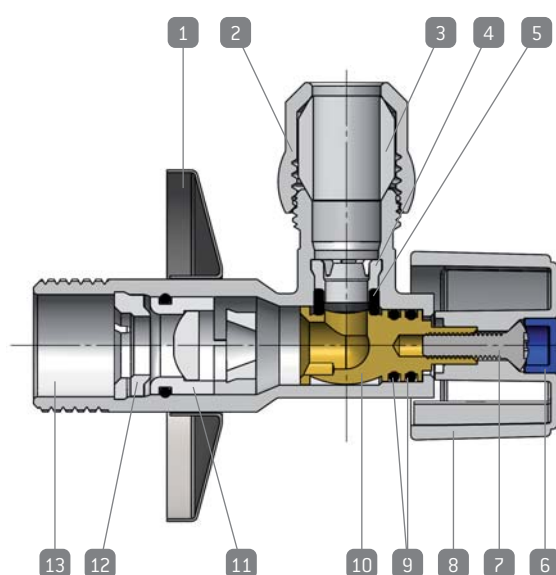
Test pressure: 25 bar.

Temperatura range: cold and hot water up to 95°C.

Fluid: water intended to human consumption and domestic hot water.

COMPONENTS

ITEM	COMPONENT	MATERIAL	TREATMENT
1	Rosette	Stainless steel	
2	Nut	CW614N European Brass	Polished and chrome plated
3	Bicone	Polyamide	
4	Supporting clip	POM	
5	Seat	NBR	
6	Index	ABS	Red / Blue
7	Screw	Stainless steel	
8	Handle	ZAMAK	Polished and chrome plated
9	Seal	NBR	
10	Stem & ball	CW614N European Brass	
11	Ckeck valve		
12	Supporting clip	POM	
13	Body	CW617N European Brass	Polished and chrome plated




MAIN CONSTRUCTIVE FEATURES

STEM-BALL

Stem and ball are manufactured in one piece with CW614N European brass, which increases its resistance and performance.

The original component of ARCO has been designed to reduce loss pressure and attenuate the sound pressure, increasing the comfort of the water facilities.

CHECK VALVE

These valves incorporate a check valve system of  type as classified protection units specified in EN 1717.

The system of protection against pollution of drinking water facilities, due to water backflow, has been certified by the entity BELGAQUA.



INTERNAL AND EXTERNAL LEAK TIGHTNESS

INTERNAL Leak tightness

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

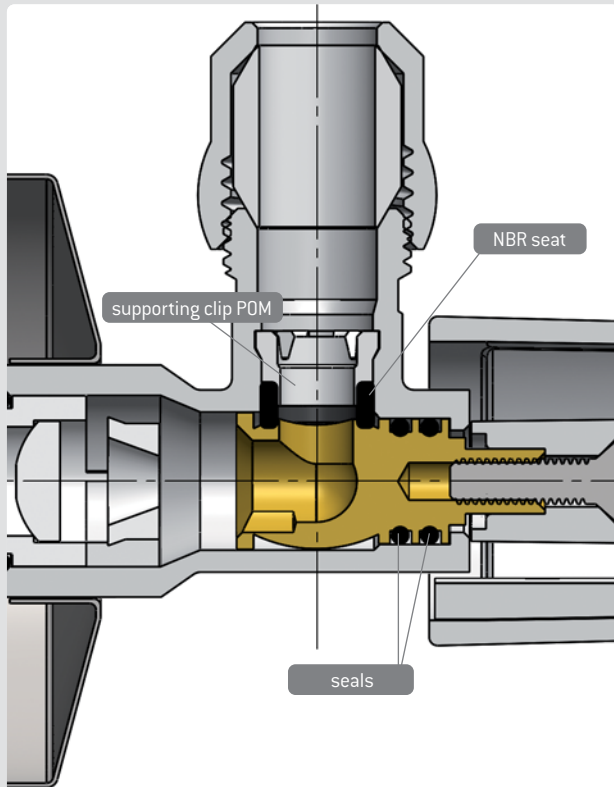
This system can not be dismantled, avoiding improper manipulations.

EXTERNAL Leak tightness

A double NBR seal placed on the stem assure external leakiness. This double joint system guarantees safety against external leakage, use, ageing,...

NOVA METAL HANDLE

NOVA series metal handle has the high level characteristics of ARCO design: made of metal, polished and chromed finish, as the rest of the valve.



MAIN CONSTRUCTIVE FEATURES (continued)

INDEXES

Our valves have blue and red indexes to clarify its connexion according to hot or cold water.

POLISHED TREATMENT

A-80 series NOVA with check valve inside have a polished surface finish, which together with its high gloss chrome, are ideal for use in installations requiring high quality features in design and finish.

KNURLED THREADS

A-80 ORIGINAL angle valves have the classic knurled system of ARCO on the thread to facilitate the installation. It makes easier the application of teflon, esparto gras... to the thread, avoiding slidings while application.

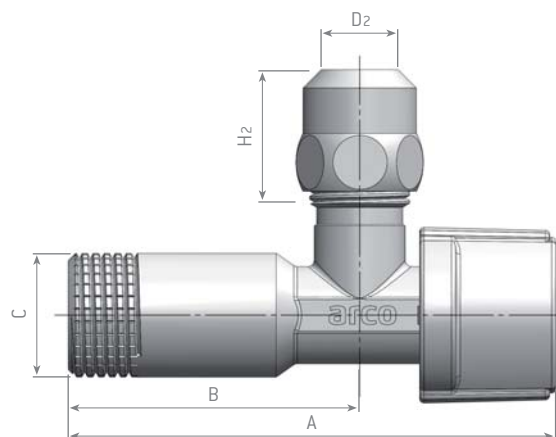


DIMENSIONS

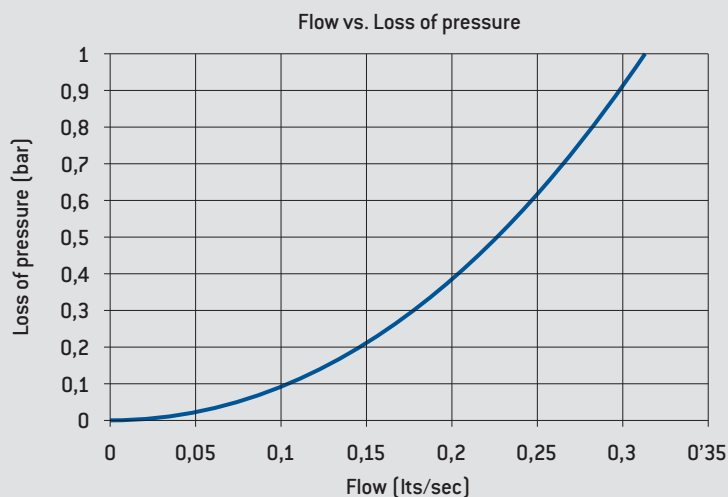
A-80 NOVA with long nut

MEDIDA	A	B	C	H ₂	D ₂
1/2 x 3/8 x 10	80	48	G 1/2A	20	10

G Thread ISO 228



HYDRAULIC CHARACTERISTICS



Hydraulic characteristics obtained according to EN 1267.

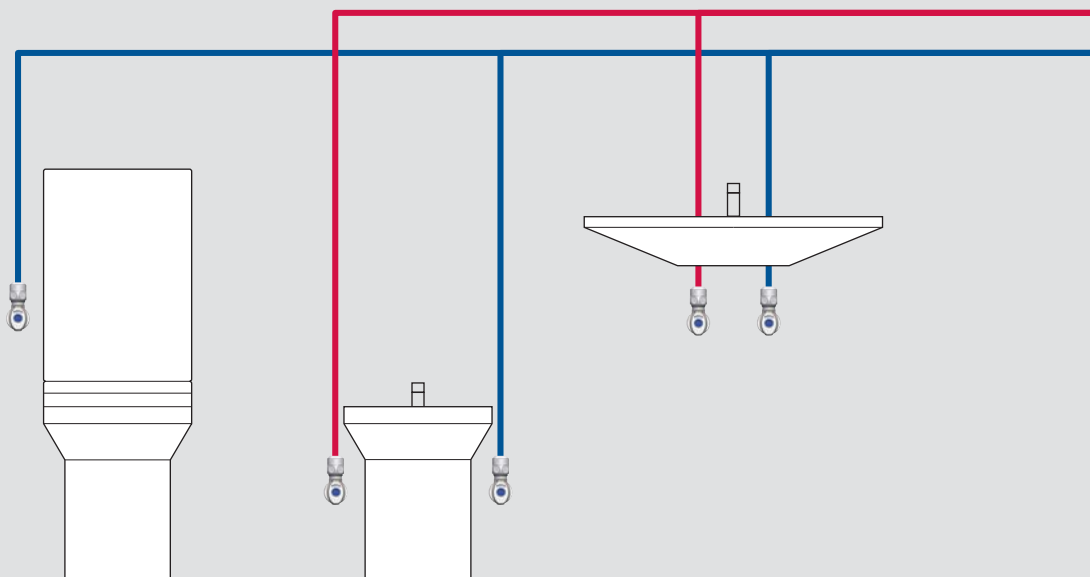
INSTALLATION AND ASSEMBLY

The installation of valves must be done with the right tool, mostly with 15 spanner.

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 provoke external leaks.

All quarter turn handle valves should work totally open.



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Every product has an impact on the environment during all stages of its life-cycle, including final disposal. All components of these valves can be recycled, deposit the valve in a green or recycled point when no longer useful.

Válvulas ARCO, S.L. reserves the right to change our products and specifications at any time and without prior notice.