

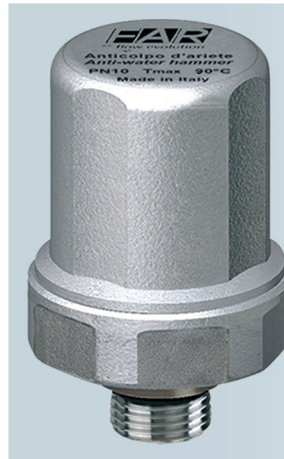
HAMMER ARRESTER

1. DESCRIPTION

The phenomenon of water hammer occurs inside pipelines when a device (such as a tap or a mixer, etc.) is suddenly opened or closed, creating harmful overpressures inside the system.

Once generated, the wave of overpressure adds to the existing pressure in the pipe and stabilizes at values higher than the initial ones.

The FAR water hammer arrester mitigates the effect of such overpressures thus ensuring the proper functioning of the components located in the system. It will also considerably reduce the noise generated by vibration that occurs due to the sudden closure of the interceptions.

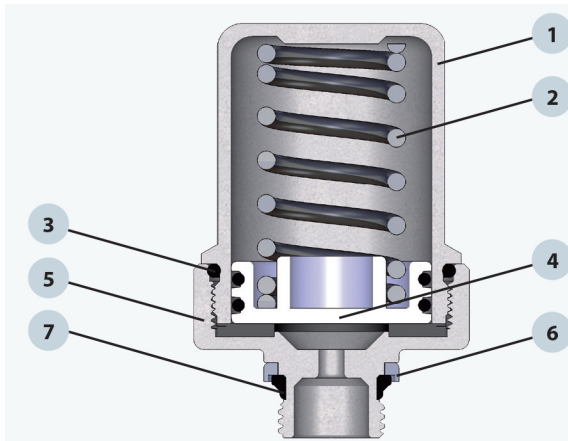


Art. 2895

Water hammer arrester for domestic services

- body made of CW617N brass
- connection: ½" male
- EPDM sealing gasket
- max. pressure: 50 bar
- nominal pressure: 10 bar
- max. working temperature: 90°C

2. CONSTRUCTION FEATURES



1- UPPER BODY CW617N BRASS

2- SPRING AISI302

3- O-RING EPDM

4- DISC PLASTIC MATERIAL

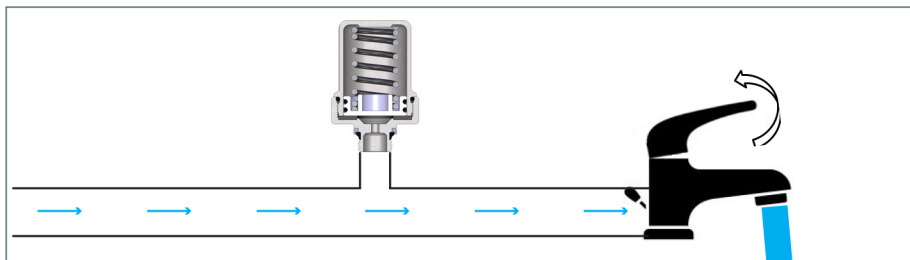
5- LOWER BODY CW617N BRASS

6- RING CW614N

7- GASKET EPDM

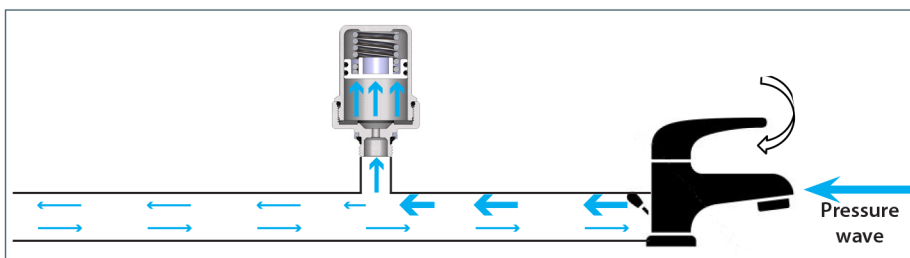
3. FUNCTIONING

The overpressures are attenuated by an air chamber and a steel spring that is connected to a plastic disc with a double O-ring seal, thus opposing the force of the fluid and absorbing much of the excess pressure.



OPEN USER

In this condition the pressure remains constant along the entire pipeline



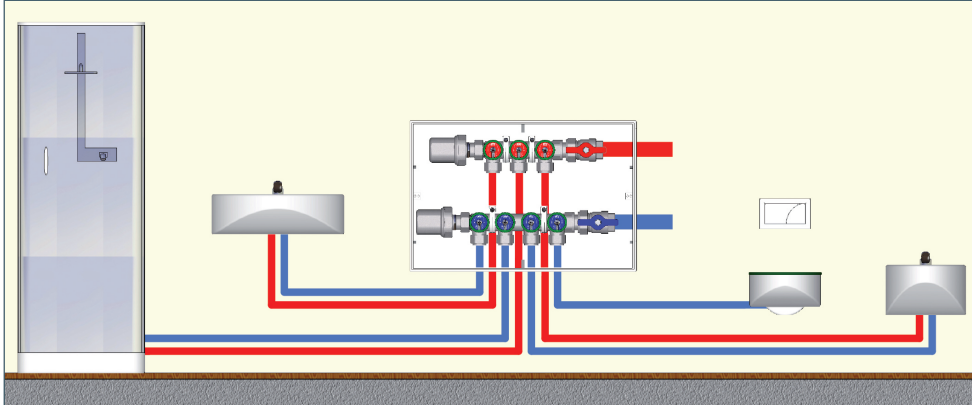
CLOSED USER

In this condition the pressure increases along the pipeline and the water hammer arrester absorbs the excess pressure, thus preserving the components.

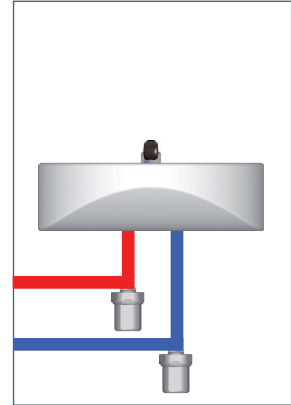
4. INSTALLATION

It is recommended that the water hammer arrester is installed directly on the circuit of the individual users (ball valves, sanitary fittings, electrovalves etc..), or positioned on the distribution manifold.

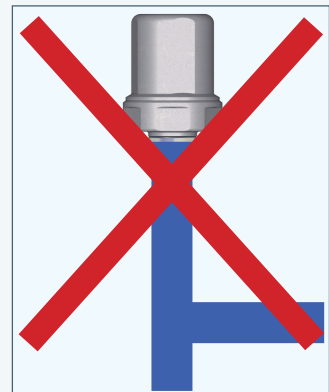
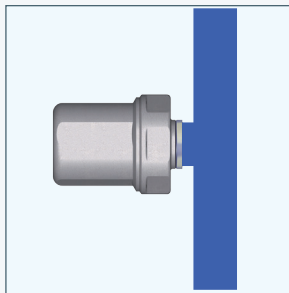
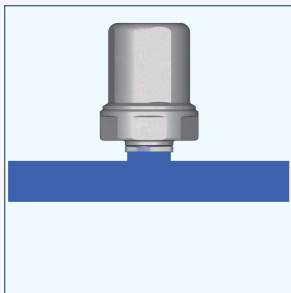
INSTALLATION OVERVIEW ON MULTIFAR MANIFOLDS IN DOMESTIC SERVICE



INSTALLATION OVERVIEW ON SINGLE USER



The water hammer arrester can be installed in vertical, horizontal or inverted positions



In locating the water hammer arrester on the system it is important to avoid creating areas where stagnant water may collect, i.e. situations where bacterial colonies can proliferate. For example, installation at the top of a riser can create areas with still water ("dead zones"), even though the water hammer arrester will function properly. Consequently, this kind of installation must be avoided.

5. TECHNICAL AND DIMENSIONAL FEATURES

Technical features

Nominal pressure: 10bar
Max. pressure: 50bar
Max. working temperature: 90°C

Dimensional features

