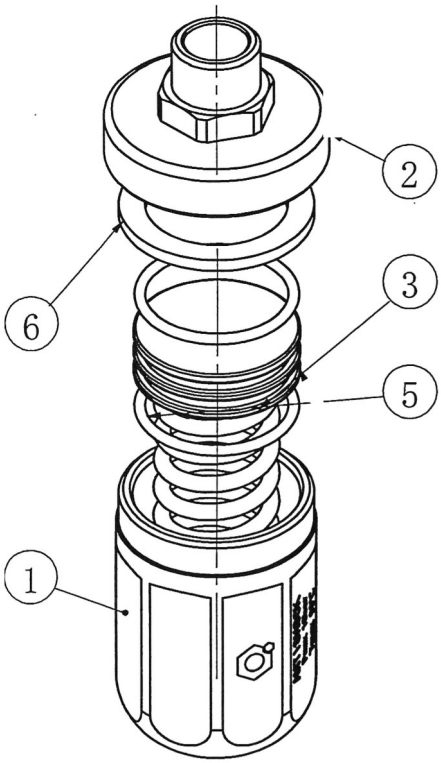
0037/ 10 / 26 EN





PRODUCT DESCRIPTION

The water hammer arrestor is used in cold and hot water supply systems to damp short-term pressure surges (water hammer) that occur when shut-off devices close quickly: single-lever mixers, ball valves, solenoid valves of washing machines and dishwashers. The arrestor reduces the load of water hammer on pipelines, connections and plumbing fixtures.

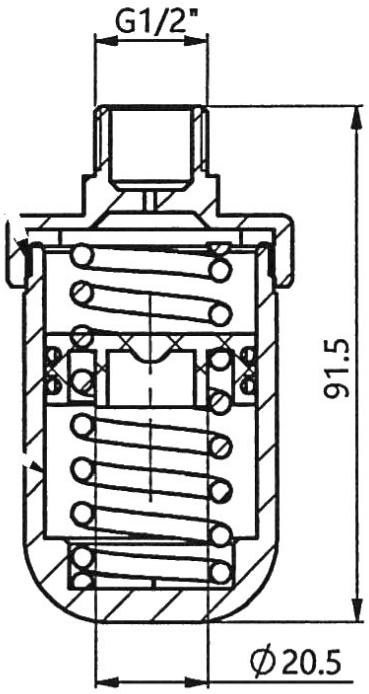
TECHNICAL PARAMETERS	
Connection thread	G 1/2″ (male)
Nominal operating pressure, PN	10 bar
Test pressure	15 bar
Maximum working temperature	90 °C
Working medium	Water
Connection type	Threaded
Threaded connection standard	ISO 228-1

DESIGN AND MATERIALS		
1	Body	Brass CW617N, chrome-plated (matt)
2	Connection nipple	Brass CW617N, chrome-plated (matt)
3	Piston	Polypropylene PP
4	Spring	Steel 65Mn
5	O-ring (2 pcs)	EPDM elastomer
6	Gasket	EPDM elastomer

OPERATING PRINCIPLE

The body and the connection nipple are made of CW617N brass with matt chrome plating and are joined by a thread with adhesive sealant, so the arrestor is non-demountable; the joint is sealed with an EPDM gasket. Inside the body there is a polypropylene piston with two EPDM O-rings and a 65Mn steel spring. During water hammer, the excess water pressure moves the piston and compresses the spring, which damps the pressure peak. After the pressure drops, the spring returns the piston to its initial position. The inner surface of the body and the O-rings are coated with silicone grease. The nipple has a hexagon for a spanner.

DIMENSIONS (mm). ZQWH001. Weight 460 g



SCOPE OF DELIVERY AND PACKAGING

1. Water hammer arrestor ZQWH001 — 1 pc.
2. Packaging: inner box — 6 pcs, shipping box — 36 pcs.

STORAGE AND TRANSPORTATION

1. Arrestors must be stored in the manufacturer's packaging in an enclosed room protected from precipitation. Storage in open areas is not allowed.
2. Transportation is permitted by any type of covered transport in accordance with the cargo transportation rules in force for that type of transport.
3. During storage, transportation and loading and unloading operations, products must be protected from impacts and mechanical damage.

INSTALLATION REQUIREMENTS

1. Install the arrestor on the pipeline as close as possible to the device causing the water hammer (single-lever mixer, ball valve, solenoid valve of a washing machine or dishwasher).
2. Before installation, shut off the water supply and release the pressure in the pipeline section.
3. Inspect the thread of the arrestor and of the mating part: it must be free of nicks, dents and burrs.
4. Use PTFE tape or plumbing polyamide thread to seal the threaded connection. The amount of sealing material must match the thread size: excess may get inside the arrestor.
5. Tighten the arrestor with an open-end spanner on the hexagon of the nipple. Do not apply force to the arrestor body, and do not use pipe lever wrenches or wrench extensions.
6. The arrestor must not be subjected to loads from the pipeline (bending, torsion, vibration).
7. Do not heat the arrestor when welding or soldering the pipeline.
8. After installation, carry out a hydraulic test of the system. The test pressure must not exceed the test pressure of the arrestor (15 bar).

OPERATION AND MAINTENANCE REQUIREMENTS

1. The arrestor must be operated at the pressure and temperature specified in the technical parameters table.
2. The arrestor requires no maintenance.
3. The arrestor is non-demountable. Disassembly of the arrestor is not allowed.
4. Freezing of the working medium in the arrestor is not allowed.
5. Remove the arrestor only after shutting off the water supply and releasing the pressure.
6. If a leak appears, the arrestor must be replaced.

MANUFACTURER

ZUOYOU GLOBAL BUSINESS LIMITED
Address of production: Shamen Industrial Area, Yuhuan, Taizhou, Zhejiang, China 317607
Country of origin: China

Brand **zencQ** belongs to **NEORUBY GmbH**

NEORUBY GmbH ● Am Hamburger Bahnhof 3, 10557 Berlin, Germany

https://zencq.com/