

Water Hammer Arresters with compression fittings



The SURGE[®]-COMP series provides piston-operated, lead-free water hammer arresters constructed with hard-drawn, seamless copper and brass compression TEE. These arresters, available in size DN15 (1/2"), can absorb the shock caused by sudden changes in water flow direction, thereby preventing damage to pipes, valves, and fixtures. Typically, these arresters are compatible with copper piping.

OPERATION

SURGE[®]-COMP arresters are pre-charged with pressurized gas (Nitrogen) and installed in the plumbing system near the source of the water hammer. When water flow suddenly stops, the piston inside the arrester compresses the gas, which absorbs the pressure surge and reduces the risk of damage to the plumbing system. The compressed gas then slowly expands back to its pre-charged state, ready for the next water hammer event.

FEATURES

- Seamless body fabricated from hard-drawn copper ensures smooth movement of the piston.
- Superior piston design provides excellent resistance to water hammer and hydraulic shock, ensuring durability and long service life with maintenance-free operation.
- Compact and slim design allows for easy installation in tight spaces, minimizing the area consumed.
- Can be installed at any position for added flexibility.
- Factory pre-charged at 60 PSI (4.2 BAR) with nitrogen and hermetically sealed, eliminating the need for additional charging after installation.
- Lead-free brass adapter ensures the safety of drinking water.
- High working pressure of up to 24 BAR (350 PSIG) and high operating temperature of up to 121°C (250°F).

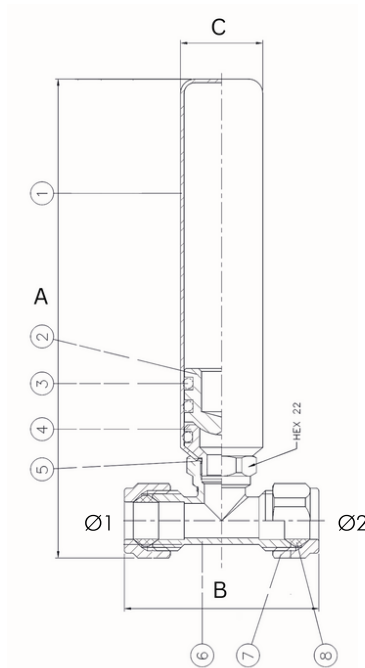
MATERIALS OF CONSTRUCTION

- Body: Hard drawn seamless
- Piston: Polypropylene PP
- O-ring: EPDM
- Seal lubricant: Dow-Corning Silicone or equivalent compound approved for use in potable water systems
- Adapter: Lead Free Brass, C46400

WORKING PARAMETERS

- Pressure range: Up to 350 PSIG (24 BAR)
- Temperature: 33°F to 250°F (0.5°C 121°C)

1	C1220T-H Pipe
2	PP Piston
3	EPDM O-ring
4	C46400 Sub Adapter
5	EPDM O-ring
6	C46400 Tee
7	C46400 Ring Nut
8	PE Ring



MODEL		C1015	C1515
SIZE		AA	A
FIXTURE UNIT		1-4	5-11
DIAMETER (C)	INCH	7/8"	1 1/8"
	MM	22.22	28.58
HEIGHT (A)	INCH	5-19/32"	6-9/16"
	MM	143.24	166.59
WIDTH (B)	INCH	2-11/16"	2-11/16"
	MM	67.56	67.56
Ø1/ Ø2	INCH	1/2" / 1/2"	1/2" / 1/2"
	MM	15 / 15	15 / 15

Due to continuous improvement of the products, specifications including design, construction, materials, or dimensions might be modified without prior notice with no obligations to apply such modifications on sold products. Dimensions listed are approximate and for guidance only. Accurate measurements can be obtained or confirmed from Fluidex technical support.