

Lead Free Copper Piston Water Hammer Arresters



SURGEX-LFC series is a piston operated, water hammer arrester fabricated from hard drawn seamless copper with NPT or BSP threaded male LEAD-FREE brass end connections. SURGEX LFC arresters are available in sizes AA thru F and have connection diameters from 1/2" to 1".

OPERATION

SURGEX-LFC arrester is 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 to always ensure smooth movement of the piston.
- Piston design provides superior resistance to water hammer and hydraulic shock.
- Compact size for easy installation in tight spaces.
- Compatible with a wide range of plumbing systems including potable water, heating and cooling, and fire protection.
- High-quality construction materials ensure durability and long service life.
- Designed for installation with no access panel required.
- Suitable for installation in new or existing domestic and commercial plumbing systems.
- Available in both NPT and BSP threaded male end connections.
- Factory pre-charged at 60 PSI (4.2 BAR) and hermetically sealed, no need to charge after installation.
- Pre-Charged with Nitrogen for optimal performance and durability.
- Lead-free brass adapter for drinking water
- NSF Certified
- Compliance with relevant international standards and regulations ensures product safety and reliability.

MATERIALS OF CONSTRUCTION

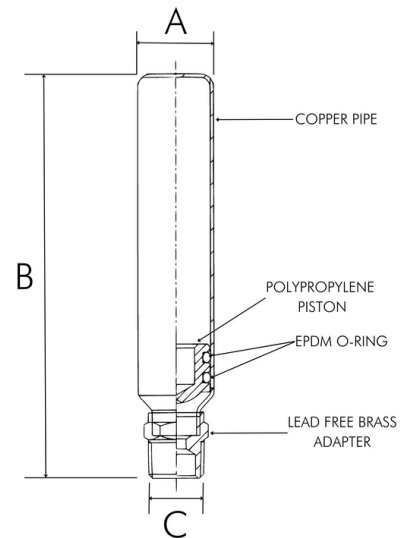
- Body: Hard drawn seamless
- Piston: PP
- O-ring: EPDM
- Seal lubricant: Dow-Corning Silicone or equivalent compound approved for use in potable water systems
- Adapter: Lead Free Brass, C46400

WORKING PARAMETERS

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

STANDARDS

- Compliant with the latest American and Australian Standards
- Compliant with PDI WH-201 standards and its requirements



MODEL		LFC15-AA	LFC15-A	LFC20-B	LFC25-C	LFC25-D	LFC25-E	LFC25-F
SIZE		AA	A	B	C	D	E	F
FIXTURE UNIT		1-4	5-11	12-32	33-60	61-113	114-154	155-330
DIAMETER (A)	INCH	7/8"	1 1/8"	1 1/8"	1 3/8"	2 1/8"	2 1/8"	2 5/8"
	MM	22	29	29	35	54	54	67
HEIGHT (B)	INCH	5"	6"	6 7/8"	7 3/8"	9.941"	12.697"	11.161"
	MM	126	150	175	187	252.5	322.5	283.5
CONNECTON (C)	INCH	1/2"	1/2"	3/4"	1"	1"	1"	1"
	MM	15	15	20	25	25	25	25

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.