

For Light Commercial and Residential Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

LEAD FREE*

Series LF05 Mini Water Hammer Arrestors

Sizes: $\frac{3}{8}$ " – $\frac{3}{4}$ " (10 – 20mm)

What is Water Hammer?

The noise from banging pipes is caused by shocks of high speed water flowing in the piping system when a fixture is suddenly closed. Sudden stoppage of the water (a non-compressible liquid) flowing at a given pressure and velocity causes a surge or spike of water and is called water hammer. When this occurs, a pressure wave travels back through the piping until it finds a point of relief.

The LF05 Water Hammer Arrestors are designed to eliminate this effect. The LF05 features Lead Free* construction to comply with Lead Free* requirements.

Dishwashers, clothes washers, fast closing positive shutoff valves incorporated in the plumbing system all contribute to creating water hammer which is not only annoying but damaging to pipes and appliances. Series LF05 water hammer arrestors provide economical and effective single fixture protection from the destructive and annoying problem of water pressure shock. Utilizing piston style construction, factory charged and sealed, the Series LF05 provides automatic, repetitive control of water hammer when properly installed.

Features

- May be installed in concealed locations without access panels. They are factory air charged and are not rechargeable.
- May be installed in new or existing plumbing systems vertically, horizontally or at any angle.

Pressure – Temperature

Operating Pressure

Designed especially for use in light commercial or residential applications on lines up to 150psi (10.3 bar) working pressure.

Temperature Range

33°F to 180°F (0.6°C - 82°C)

Air Preload

60psi (4.1 bar)



Model LF05



Model LF05H-M1



Model LF05-PEX-T

Models

- LF05H-M1** For in-line use with washing machines.
LF05-PEX-T For either $\frac{3}{8}$ " or $\frac{1}{2}$ " in-line PEX installation.

See reverse side for complete list of models.

**IMPORTANT: INQUIRE WITH GOVERNING AUTHORITIES
FOR LOCAL INSTALLATION REQUIREMENTS**

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Standards

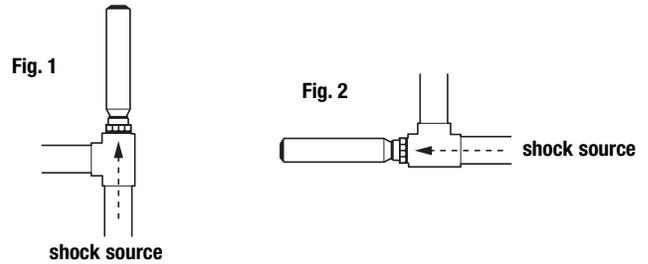


Meets requirements of ASSE Standard 1010 and listed by IAPMO.

Installations

Watts Series 05 water hammer arrestors should always be installed as close to the source of shock as possible - one unit on each hot and cold water line.

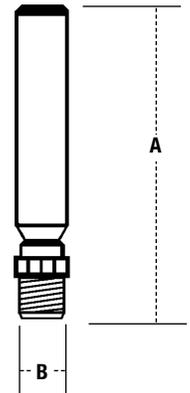
Although they function in any orientation, Figure 1 and 2 show the proper installation where the shock would be absorbed most effectively.



Dimensions - Weight

Straight Models

MODEL	SIZE (DN)		CONNECTION TYPE	DIMENSION				WEIGHT	
	in	mm		A		B		lbs	kgs
LF05	3/8	10	NPT	5 1/4	133	1 1/4	32	0.34	0.15
LF05	1/2	15	NPT	5 1/2	140	1 1/4	32	0.36	0.16
LF05-H	3/4	20	Hose	6 3/8	162	2	50	0.48	0.20
LF05H-M1	3/4	20	Hose	6 11/16	170	3 3/16	81	0.60	0.27
LF05-S	1/2	15	Sweat	5 1/2	140	1	25	0.30	0.14
LF05-S	3/4	20	Sweat	4 7/8	124	1	25	0.08	0.04



A Watts Water Technologies Company



ISO 9001-2000
CERTIFIED

USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.watts.com

Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca