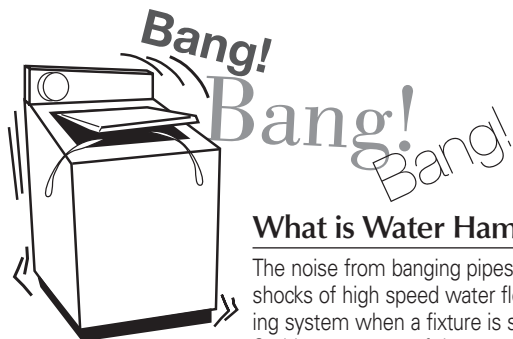




Series SA-1

Mini Water Hammer Arrestors

Sizes: 3/8" – 1/2" (10– 15mm)



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-com-

pressible 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.

Fast closing positive shutoff valves incorporated in the plumbing system contribute to creating water hammer which is not only annoying but damaging to pipes and appliances. Series SA-1 water hammer arrestors provide economical and effective single fixture protection from the destructive and annoying problem of water pressure shock. They are designed especially for use in light commercial or residential applications on lines up to 150psi (10.3 bar) working pressure. Utilizing piston style construction, factory charged and sealed, the Series SA-1 provides automatic, repetitive control of water hammer when properly installed.



Series SA-1

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

Temperature Range: 33°F to 180°F (0.5°C - 82°C)

Maximum Working Pressure: 150psi (10.3 bar)

Air Preload: 60psi (4.2 bar)

Models

SA-1: For installation on 1/2" (15mm) NPT for new or retrofit applications.

IMPORTANT: INQUIRE WITH GOVERNING AUTHORITIES FOR LOCAL INSTALLATION REQUIREMENTS

Job Name _____

Job Location _____

Engineer _____

Approval _____

Contractor _____

Approval _____

Contractor's P.O. No. _____

Representative _____

FEBCO product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact FEBCO Technical Service. FEBCO reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on FEBCO products previously or subsequently sold.

Standards

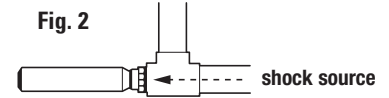
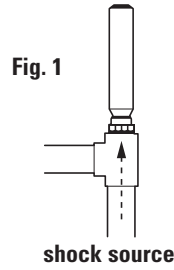


Meets requirements of ASSE Standard 1010 and listed by IAPMO.

Typical Installation

FEBCO Series SA-1 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.

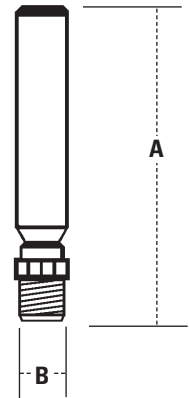
Although they function in any orientation, Figures 1 and 2 show the proper installation where the shock would be absorbed most effectively.



Dimensions - Weight

Size: 3/8" - 1/2" (10 - 15mm)

SIZE (DN)		CONNECTION TYPE	DIMENSION				WEIGHT	
			A		B			
<i>in</i>	<i>mm</i>		<i>in</i>	<i>mm</i>	<i>in</i>	<i>mm</i>	<i>lbs</i>	<i>kgs</i>
3/8	10	NPT	5 1/4	133	1 1/4	32	0.34	0.15
1/2	15	NPT	5 1/2	140	1 1/4	32	0.36	0.16



A Watts Water Technologies Company



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