

**INSTALLATION INSTRUCTIONS****Series SA-1****Water Hammer Arrestors****Installation Instructions**

Shock waves are caused by fast acting valves and can be controlled by using a shock arrestor. Use one unit for each hot and cold water line.

Series SA-1 is designed for new or existing water lines with pressures up to 150psi (10.3 bar) and temperature ranges of 33°F (0.5°C) to 180°F (82°C). Systems which exceed 60psi shall be installed with a pressure reducing valve upstream of the unit.

Select a location as close to the source of shock (i.e. dishwasher, icemaker, toilet or faucet) as possible. Allow sufficient clearance for installation.

For your safety these units are pre-charged at the factory and are not rechargeable or repairable.

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

Figure 1

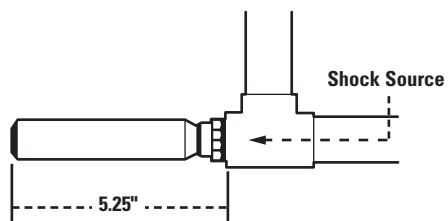
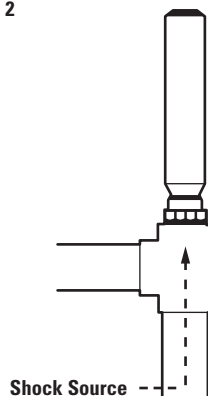


Figure 2

**CALIFORNIA PROPOSITION 65 WARNING**

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)

For more information: [www.watts.com/prop65](http://www.watts.com/prop65)

**Limited Warranty:** FEBCO warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge.

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The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

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# Series SA-1

## Water Hammer Arrestors

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Figure 1

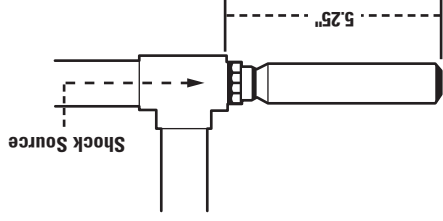
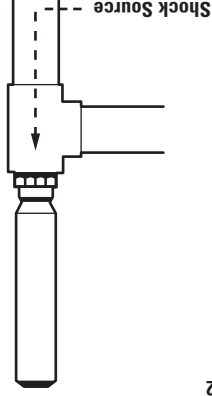


Figure 2



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The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

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