



Water Hammer Arrestor

Installation Instructions

Sizing and Placement

Proflo® water hammer arrestors should be sized and installed to be compliant with the American Society of Sanitary Engineering's Performance Requirements for Water Hammer Arrestors, ASSE 1010 Standard. Please also always verify installation, sizing and use requirements with local plumbing codes.

The recommendations of sizing are based on an average flow velocity not exceeding 10 FPS. Ideally, the line pressure in a branch should not exceed 55 psig. To maintain proper branch pressure, a water reducing valve should be installed. If, however, branch pressure exceed 65 psig, the next larger size water hammer arrestor is recommended. AA arrestors are suitable for 1-3 fixture units.

In multiple fixture lines under 20 feet (20 feet included), the water hammer arrestor should be installed between the last two fixtures of the branch. On multiple fixture lines over 20 feet requiring two arrestors, one unit should be installed at the mid position of the branch, and the second arrestor should be installed between the last two fixtures of the branch.

Installation

Ensure water is shut off before installation. Clean and deburr pipe before installation. Make sure tube is cut so it is squared and not out of round. Test installation before leaving jobsite. Proflo® water hammer arrestors should be installed according to the connection type as below:

MIP Thread Models: Using thread sealant into same size FIP adaptor by applying wrench to tighten an adapter HEX (NOT arrestor barrel).

Male Sweat / Press-Fitting Models: This type of arrestors can be soldered into the same size female sweat fitting or Press-Fitted into the same size Press-Fit Fitting. When soldering, apply torch to female fitting (NOT the arrestor). Solder all other nearby joints first, then install and solder arrestor. CAUTION: DO NOT overheat. DO NOT braze. Press-Fitting: When installing into a Press-Fitted fitting, install depending on every Press-Fitted fitting manufacturer's instructions.

CPVC Models: Install per ASTM D2846 Standard for CPVC Plastic Hot and Cold Water Distribution Systems. CAUTION: DO NOT apply excessive amounts of solvent cement in arrestor fitting.

PEX Crimp Models: Install per ASTM F1807 Standard for Metal Insert Fittings. Utilizing a Copper Crimp Ring for SDR9 PEX Tubing.

PEX Expansion Models: Install per ASTM F1960 Standard for Cold Expansion Fittings with PEX Reinforcing Rings for use with SDR9 PEX Tubing.

All Proflo® water hammer arrestors are designed for vertical or horizontal installation(NOT to be installed in the inverted position), and they can be installed in the systems without need for access panels*.

*Note: Always check local plumbing codes to determine if access panels are required. Sweat models not to be used in conjunction with copper progress system due to brass connection.