Z-TIDE VALVES INDUSTRIAL CO., LTD

Z-Tide I Style Water Hammer Arrestors

Size: 1/2"- 1" (15 - 25 mm)

Installation Instructions

1. Install as close to shock source as possible.
2. Install a shock arrestor on both hot and cold lines.
3. Best results are obtained when installed as shown in Figure 1 or Figure 2
   They can be installed in concealed locations without access panels.

Operating Pressure

Designed to operate on all domestic and commercial lines at 10 bar working pressure.

Systems which exceed 60psi (414kPa) shall be installed with a pressure reducing valve upstream of the unit.

Temperature Range

33℉ to 180℉ (0.5℃ to 82℃)

Fig. 1

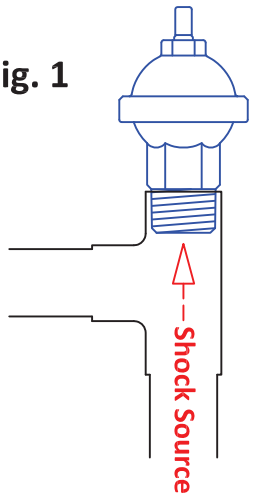
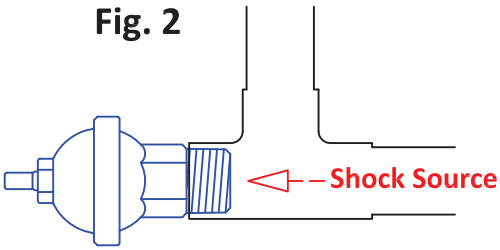


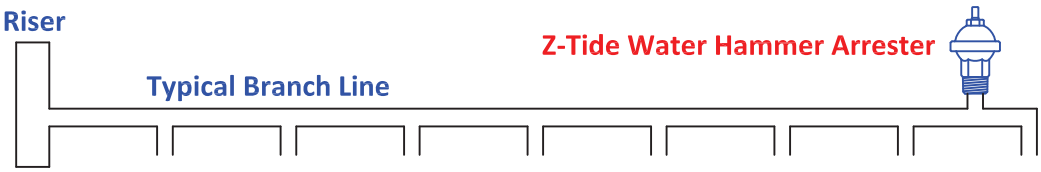
Fig. 2



Installation

May be installed in new or existing plumbing systems with a standard pipe tee vertically, horizontally or at any angle.

They may be installed in concealed locations without access panels and are not rechargeable in the field.

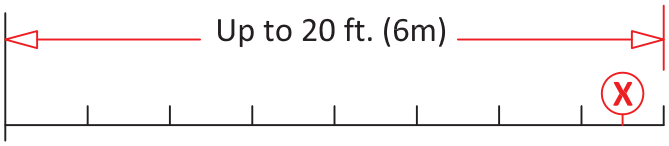


As shown, it has been established that the preferred location for the water hammer arrestor is at the end of branch line between the two fixtures served.

The location of the water hammer arrestor shown above applies to branch lines that do not exceed 20 ft. (6m) in length, from the start of the horizontal branch line to the last fixture supply on this branch line. When the branch line exceeds the 20 ft (6m) length, an additional water hammer arrestor should be used. This practice is best defined by two rules which have been established to cover the placement of water hammer arrestors.

Rule 1 covers multiple fixture branch lines which do not exceed 20 ft. (6m) in length.

Explanation - Fixture -unit sizing and selection table is used to select the required water hammer arrestor.



Rule 2 covers multiple fixture branch lines which do exceed 20 ft. (6m) in length.

Explanation - Fixture -unit sizing and selection table is used to select the required water hammer arrestor. The sum of the fixture units rating of units X and Y shall be equal to or greater than demand of the branches.