Dilution™
SOLUTIONS

WATER HAMMER ARRESTOR INSTALLATION RECOMMENDATIONS

What is Water Hammer?

Water Hammer is defined as a pressure surge, or wave, caused when a fluid in motion is forced to stop or change directions suddenly, due to a shock

What could be the Shock Source?

A Shock Source may be a:

- Solenoid Valve
- Quarter Turn Valve
- Trigger Gun

Water Hammer commonly occurs when a valve closes suddenly at the solenoid manifold, and as a pressure wave propagates in the pipe, it is forced back at the source at an exponential rate (sometimes 4x the force / pressure)

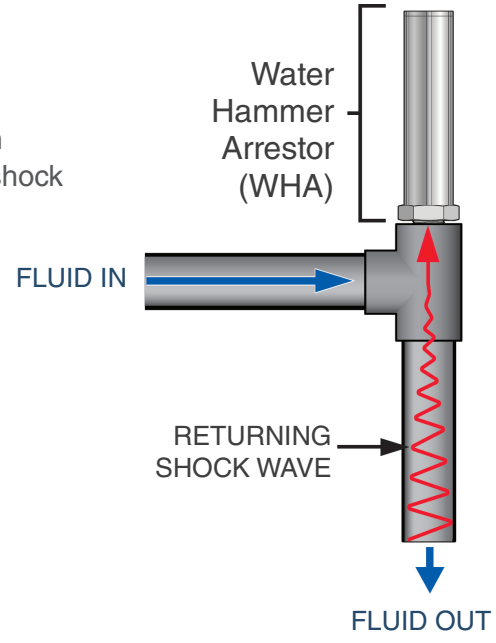
This pressure wave can cause problems from noise and vibration, to pipe collapse or bursting. In cases of Water Hammer occurrences, a Water Hammer Arrestor (WHA) must be installed to protect the Dosatron units, and components, from the phenomenon

What is a Water Hammer Arrestor (WHA)?

A Water Hammer Arrestor (WHA) is a gas-filled cylinder with a movable diaphragm, or piston, that adjusts to absorb the shock

Required Water Hammer Arrestors (WHA) features:

- Stainless steel adaptor, cap, piston, and barrel
- High pressure EPDM o-rings
- Threaded arrestor
- Nitrogen preload: 60 psi



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Water Hammer Arrestor (WHA) Installation Tips

A Water Hammer Arrestor should always be installed so the shock **dead-ends** into the arrestor. Arrestors should always be placed as near to the source of shock as possible

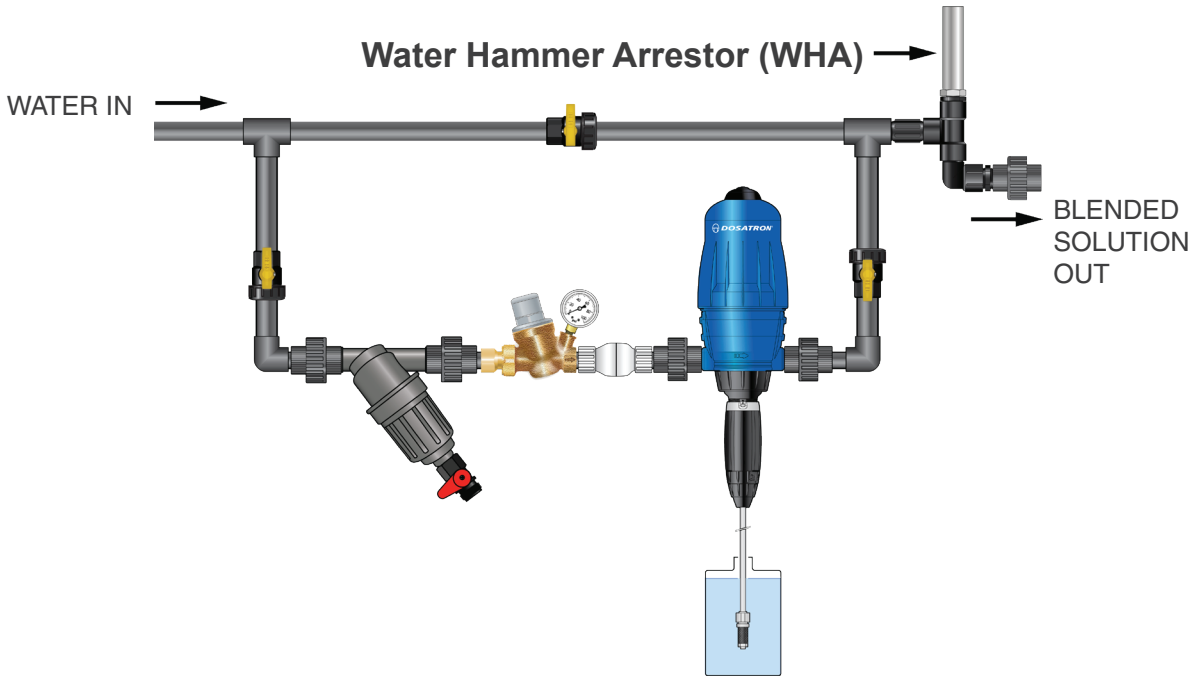
1. Flush line prior to installation
2. Use thread tape to seal pipe threads
3. To tighten, place wrench on hex only
4. For best results, match Arrestor to pipe size at the point of installation. Call 1-800-451-6628 to learn about our WHA Kits option
5. Vertical-upward, or horizontal installations are acceptable. Vertical-downward position is not recommended
6. Verify manufacturer's recommended pressure rating

For easy installation use Water Hammer Arrestor (WHA) Kits

Pipe	Kit Part #
3/4"	WHA34-SS-KIT
1"	WHA100-SS-KIT
1 1/2"	WHA150-SS-KIT
2"	WHA200-SS-KIT

Proper Installation of Water Hammer Arrestors (WHA)

This image illustrates the proper positioning for the Arrestor, where the shock would be absorbed with 100% effectiveness



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