



# MINI-TROL®

## WATER HAMMER & SHOCK SUPPRESSOR INSTALLATION & OPERATION INSTRUCTIONS



**NOTE:** Inspect for shipping damage and notify freight carrier or store where purchased immediately if damage is present. To avoid risk of personal injury and property damage, if the product appears to be malfunctioning or shows signs of corrosion, call a licensed professional immediately. Current copies of the Product manual can be viewed at [www.amtrol.com](http://www.amtrol.com). Use proper safety equipment when installing.



**THIS IS THE SAFETY ALERT SYMBOL. IT IS USED TO ALERT YOU TO POTENTIAL PERSONAL INJURY AND OTHER HAZARDS. OBEY ALL SAFETY MESSAGES THAT FOLLOW THIS SYMBOL TO REDUCE THE RISK OF PERSONAL INJURY AS WELL AS PROPERTY DAMAGE.**



**WARNING Chlorine & Aggressive Water:** The water quality can significantly influence the life of this Product. You should test for corrosive elements, acidity, total solids and other relevant contaminants, including chlorine and treat your water appropriately to insure satisfactory performance and prevent premature failure.



**WARNING EXPLOSION OR RUPTURE HAZARD** A relief valve must be installed to prevent pressure in excess of local code requirement or maximum working pressure designated in the Product Manual, whichever is less. Do not expose Product to freezing temperatures or temperatures in excess of 180° F. Intermittent hot water exposure only. Failure to properly size the Product or follow these instructions may result in excessive strain

on the system leading to Product failure, serious or fatal personal injury, leakage and/or property damage. Systems which exceed 60 psi shall be installed with pressure reducing valve upstream of the unit.



**WARNING** The recurrence of audible water hammer may indicate that this unit is in need of replacement. Operating a plumbing system with water hammer presents the risk of damage and leaks. If water hammer is detected, inspect the unit immediately.



**WARNING** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

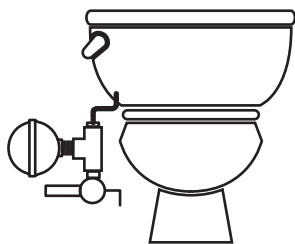
**PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY**  
**IMPORTANT GENERAL SAFETY INFORMATION -**  
**ADDITIONAL SPECIFIC SAFETY ALERTS APPEAR IN THE FOLLOWING INSTRUCTIONS.**

**⚠ WARNING** READ CAREFULLY THE PRODUCT INSTALLATION, OPERATING AND MAINTENANCE MANUAL. FAILURE TO FOLLOW THE INSTRUCTIONS AND WARNINGS IN THE MANUAL MAY RESULT IN SERIOUS OR FATAL INJURY AND/OR PROPERTY DAMAGE, AND WILL VOID THE PRODUCT WARRANTY. THIS PRODUCT MUST BE INSTALLED BY A LICENSED PROFESSIONAL. FOLLOW ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS, IN THE ABSENCE OF SUCH CODES, FOLLOW THE CURRENT EDITIONS OF THE NATIONAL PLUMBING CODE AND NATIONAL ELECTRIC CODE, AS APPLICABLE.

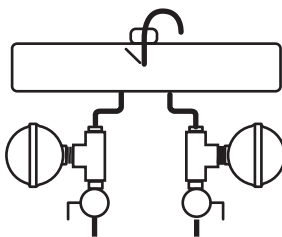
**⚠ WARNING** THIS PRODUCT MUST BE INSTALLED BY A LICENSED PROFESSIONAL.

## Installation

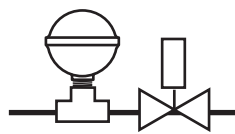
- Install on tee as close as possible to fixture or valve.  
(See examples below.)
- Use wrench flats; do not overtighten.
- Maximum Supply Pressure: 80 psi
- Maximum Working Pressure: 150 psi
- Maximum Intermittent Water Temperature: 180° F



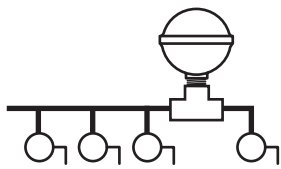
Single Pipe Fixture



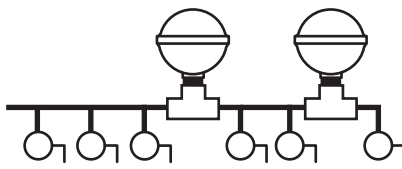
Hot & Cold Fixture



Fast-Acting Valve



Branch Line up to 20 ft.



Branch Line more than 20 ft.

## Warranty

Mini-Trol Models: Five (5) Year Limited Warranty

Visit [www.amtrol.com](http://www.amtrol.com) for complete warranty details.



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