



DIATROL®

SHOCK SUPPRESSORS FOR POTABLE WATER

INSTALLATION & OPERATION INSTRUCTIONS

Models 537 through 541



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. 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 READ CAREFULLY THE PRODUCT INSTALLATION & OPERATION INSTRUCTIONS. 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 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 200° F. Do not adjust the pre-charge or re-pressure this Product except for any adjustments required at the time of initial installation, especially if Product corroded, damaged or with diminished integrity. Adjustments to pre-charge must be done at ambient temperature only. Failure to properly size the Product or follow these instructions may result in excessive strain on the system lead to Product failure, serious or fatal personal injury, leakage and/or property damage.

WARNING Use only lead-free solder and flux for all sweat-solder connections, as required by state and federal codes.

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 Install or store where Product will not be exposed to temperatures below freezing or above 100°F, do not expose to any type of weather. Water freezing in the system will break it. Do not attempt to treat water over 100°F. Do not install in direct sun light. Excessive sun heat may cause distortion or other damage to non-metallic parts.

WARNING This Product, like most Products under pressure, may over time corrode, weaken and burst or explode, causing serious or fatal injury, leaking or flooding and/or property damage. To minimize risk, a licensed professional must install and periodically inspect and service the Product. A drip pan connected to an adequate drain must be installed if leaking or flooding could cause property damage. Do not locate in an area where leakage of the tank or connections could cause property damage to the area adjacent to the appliance or to lower floors of the structure.

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.

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

1. LOCATION:

Install the Diatrol on the supply piping as close as possible to the offending fixture(s). The Diatrol should be installed upstream of any fast-acting valves. Use the guidelines below to determine the best placement. Multiple fixtures and long supply lines may require the installation of multiple Diatrol shock suppressors.

- A. On branch lines up to 20' long.
- B. On branch lines over 20' long.

2. POSITION:

The Diatrol will function in any position. Ensure the nearby piping is supported adequately.

3. ADJUSTMENT

With the Diatrol empty of water, adjust the factory pre-charge to equal the average flow pressure. For example: if the line pressure registers 65 psig with the fixtures open, adjust the Diatrol air charge to 65 psig.

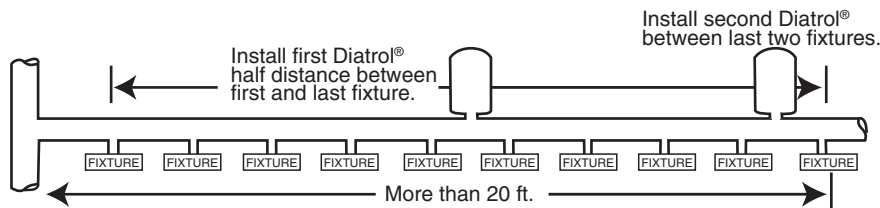
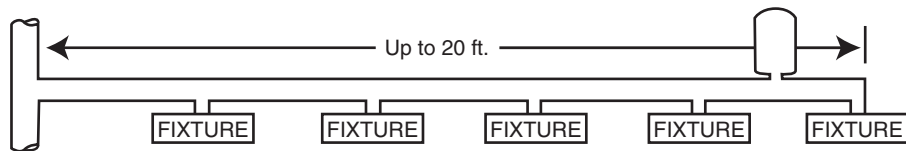
4. MAINTENANCE

A licensed professional should check the complete system, including the Diatrol, yearly and more frequently as the system ages.

WARRANTY

Five (5) Year Limited Warranty

Visit www.amtrol.com for complete warranty details.



1400 Division Road, West Warwick, RI USA 02893
T: 800.426.8765 www.amtrol.com

