

TECHNICAL BULLETIN

» WATER HAMMER ARRESTERS

MegaRester™

SUBJECT: Field-Charging Instructions for MegaRester™

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The Sioux Chief MegaRester™ water hammer arrester can be air-charged or recharged after installation by following these simple instructions below:

- Determine the charge pressure: Arresters are shipped with a 60 psig factory air charge. This pressure works well, as is, for average piping systems. However, for the most optimum performance in a particular system, charge the arrester to the flow pressure of the water at or near the culprit valve. In other words, if the water pressure is 40 psig near the valve while the valve is on and the water is flowing, then charge the arrester to 40 psig, plus or minus 5 psig.
- Turn the water line OFF and open a valve on the line to allow the water pressure to drop to ZERO in the water line. (Do NOT attempt to pressurize the chamber while the water pressure is still on. This will not add the correct volume of air to the chamber.)
- Hook up an air hose to the air valve on top of the MegaRester and fill the chamber until the Mega-Rester gauge reads the predetermined charge pressure.
- Turn the water pressure back ON.

Since the static pressure of any water line is almost always higher than the flow pressure, it stands to reason that the MegaRester™ gauge will read the higher static pressure while the valve is OFF. This difference is okay. Do not let air out to drop the charge pressure. When the valve is turned ON, the pressure in the water line and the arrester chamber will drop to the observed flow pressure.

The information contained herein is believed to be reliable, but is subject to change without notice. No guarantees of any kind are made as to its accuracy, suitability for particular applications or conclusions obtained therefrom. Before use or installation, the user shall determine the suitability of the information for the intended purpose, and shall assume all risk and liability in connection therewith. Use of any/all Sioux Chief product shall be in accordance with supplied instructions, common practices, local codes and legal requirements.