



ZEP1

Installation and Operation Manual

1. The ZEP1 is to be installed **ONLY** on the cold water supply line on residential tankless and POU water heaters - between the heater and any device that contains a one-way check valve.
2. The ZEP1 comes with a factory pre-charge of 50 psi and may need to be adjusted to provide maximum protection to the heater and water distribution piping system. Adjust the pre-charge if necessary to match the incoming supply water pressure up to 5 psi above. Care must be taken when adjusting or measuring the pre-charge. Any action on the air valve **MUST BE QUICK AND DELIBERATE** so as not to lose air during this process. A small amount of air makes a large impact on the air pre-charge pressure due to the small volume of the ZEP1 (The smaller the diaphragm, the quicker the air discharge). Check the ZEP1 for water leakage after installation.
3. We recommend annually servicing the ZEP1 to make sure the tank charge is correct or needs to be adjusted because of increased water pressure. The ZEP1 pre-charge must be measured with the tank connection isolated from the system, at atmospheric pressure.
4. Per the tankless and POU heater manufacturer's instructions, purge all the air from the cold and hot water lines prior to firing the unit. Once system is up and running, select desired temperature but **do not** set the temperature above **140° F**.

THE ZILMET ZEP1 IS TO BE USED **ONLY** WITH TANKLESS WATER AND POU HEATERS WITH A STORAGE CAPACITY OF **2 GALLONS** OR LESS AND NOT TO **EXCEED 140° F** TEMPERATURE SET POINT.

