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Installation Instructions Potable Water Expansion Tanks

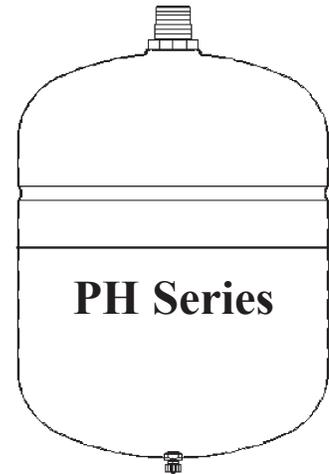
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Description

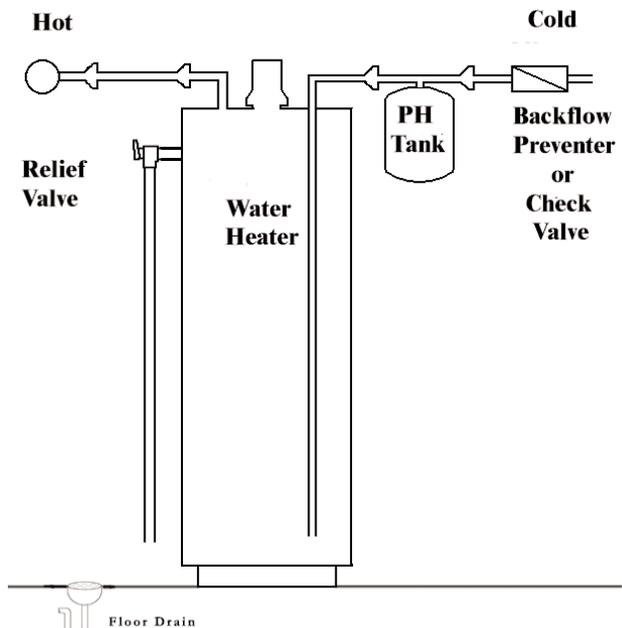
H2Pro thermal expansion tanks are designed to maintain safe pressures in a domestic water heating system. They utilize a butyl rubber diaphragm and plastic liner to separate the system water from the tank's air pre-charge. The system connection has a stainless steel sleeve to prevent corrosion.

Installation

1. **This tank must be installed according to your local plumbing code.** It should be at least 18" from the cold water inlet to the water heater. A 150 PSI relief valve must be installed in the water heater. A pressure reducing valve may also be required if the incoming water pressure exceeds 80 PSI.
2. Flexcon PH tanks are shipped with an air precharge of 40 PSI. To obtain maximum effectiveness and prolong the life of the tank, adjust tank pre-charge to match the incoming water pressure (see note below).
3. This tank is designed to be supported by the system piping in the vertical position (up or down). Please see the diagram for recommended installation.
4. The expansion tank, piping, and your connections may in time leak. Select a location where a water leak will not damage the surrounding area. The manufacturer is not responsible for any water damage in connection with this expansion tank.
5. Shut off power supply and cold water supply to the water heater. Drain water from the water heater by opening a faucet or other fixture. This must be left open to prevent vacuum build-up in the water heater.
6. Install the PH tank as shown by teeing into the the cold water line. Make sure that all joints are leak free.



Typical Installation



Tank Precharge Pressure

The precharge pressure of this tank should equal the incoming water pressure. This tank is factory pre-charged to 40 PSI. If some other pressure is required, use a bicycle pump or air compressor to add air to the tank via the charging valve located at the bottom of the tank. Pressure may be checked with a standard tire gauge.

NOTE: To check tank pressure via the air charging valve, piping system must be at 0 PSI, or tank must be off the system.

Do not install this tank on the hot water outlet. Follow all local plumbing codes during installation.



Note: PH Series tanks are certified to NSF Standard 61 Domestic Hot, but are suitable for temperatures up to 200°F

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