



A CSW Industrials Company

## INSTALLATION INSTRUCTIONS

# FALCON EXPTMINI TANK

Potable Water Expansion Tank

**⚠ WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in serious injury, death, and/or significant property damage.

**⚠ WARNING** This product must be installed by a Qualified Professional following all local and national plumbing and electrical codes. Read and understand fully the instructions included here and those on the Falcon Stainless website which is updated on a regular basis. This product must be inspected annually by a qualified professional for any signs of corrosion or leakage and replaced immediately if these signs are present. Failure to follow these instructions may result in serious injury, death and/or property damage and will void the product warranty.

**⚠ WARNING EXPLOSION HAZARD** This expansion tank is designed for water storage at a maximum pressure of 150 psi and a maximum temperature of 200°F. A properly sized pressure relief valve set at a maximum of 150 psi must be installed in the system. This tank is shipped with a pre-charge of 40 psi and any adjustment to the pre-charge must be done prior to the installation and at ambient temperature. Do not adjust the pre-charge of this tank if the product is corroded or damaged or shows signs of diminished integrity. The maximum allowable pre-charge in this expansion tank is 80 psi. Do not adjust the precharge of the expansion tank with the system under pressure. Failure to follow these instructions is UNSAFE and may result in serious injury, death and/or property damage.

**⚠ WARNING** This expansion tank and the associated piping will in time leak. This tank must be installed in a location that allows for easy access, visual inspection and where water leakage will not cause property damage. Installation must include a means for adequate drainage. This tank must not be installed in a location that is subject to freezing. This tank can be installed vertically or horizontally. The manufacturer of this product is not liable or responsible for any water damage associated with the installation and/or failure of this product. Failure to follow these instructions will void the warranty and may result in personal injury, death and/or property damage.

**⚠ WARNING** This tank is intended for use on potable water systems only and any other use may be dangerous and void the warranty. This product's performance and lifespan can be significantly and adversely impacted by aggressive water conditions. A water test should be conducted at regular, periodic intervals specifically looking for corrosive water, acids and other relevant water contaminants which, if present, must be treated immediately and appropriately. The system piping must be properly grounded to the earth and a di-electric union is recommended in the installation. Failure to follow these instructions may result in serious injury, death and/or property damage.

**⚠ WARNING** This product can expose you to chemicals, which are 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).

These instructions and warnings are subject to periodic updates from the manufacturer which should be regularly reviewed by the consumer for important safety and instruction updates.

## Application

This thermal expansion tank is designed to maintain safe water pressures in a domestic water heating system that utilizes a backflow preventer or check valve. It features a butyl rubber diaphragm to separate the system water from the tank's inner walls and pre-charge. The system connection is stainless steel.

The EXPTMINI expansion tank is designed for use on tankless, residential on-demand water heater with a total water content of 2 gallons or less and a maximum set point of 140°F.

Adding a thermal expansion tank to the cold water inlet of the water heater creates a reservoir for the expanded water. Water enters the tank and is released back into the system on demand.

# FALCON EXPTMINI TANK

## Potable Water Expansion Tank

### Installation

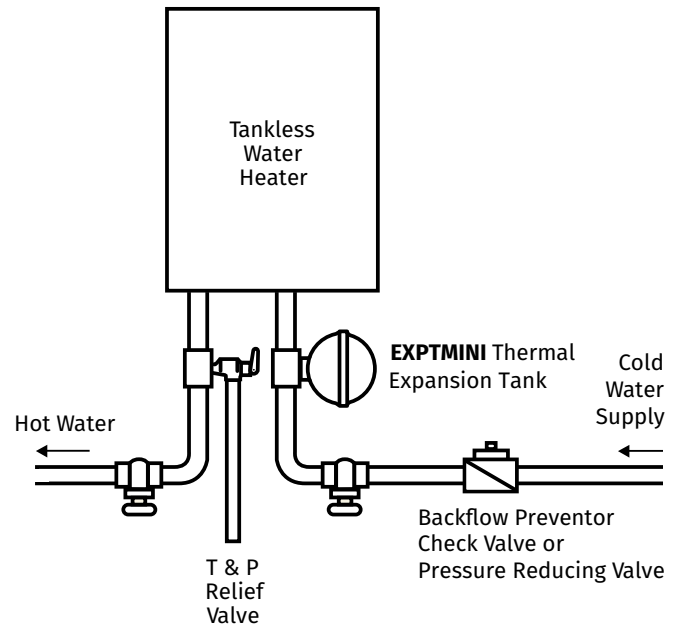
1. Install the expansion tank in the incoming water line to the water heater between the water heater and backflow preventer or check valve (see Fig. 1.). Adequate thread sealant (RectorSeal No. 5) must be added to ensure a leak free installation. **DO NOT ONLY USE PTFE TAPE.**
2. Check the cold water supply line for and leaks and repair, if necessary.
3. Before turning on the water supply to the system, open a hot water faucet to prevent any damage to the water heater and remove air from the system piping.
4. Turn on water supply and inspect the installation for water leaks paying close attention to the connection between the expansion tank and the piping.
5. Follow the water heater manufacturer's instructions for proper start-up of the heater and the system.

### Maintenance

This expansion tank and the entire system should be checked annually by a Qualified Professional.

Visually examine the tank and its connection to the system piping looking for any signs of water leakage or corrosion on the exterior of the tank or the connection.

Figure 1: Typical Installation



### Limited Warranty



For more information on our product warranty, visit [RectorSeal.com](http://RectorSeal.com)

Manufactured by

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### Approvals

- NSF/ANSI/CAN 61
- NSF/ANSI/CAN 372
- UPC/IAPMO listed