



## INSTALLATION INSTRUCTIONS

**IMPORTANT** – For your safety, please read the **entire** installation manual before attempting to install this product.

- Never install the tank where it can freeze.
- A pressure limiting device or pressure relief valve must be installed with this tank. The warranty is **VOID** if the system pressure or temperature exceeds the maximum operating rating on the tank label.
- When using a pump with an air injector, the injector port must be plugged.
- The tank is prepressurized at the factory. The precharge pressure may vary somewhat from tank to tank due to temperature and the length of time in storage. Check and adjust precharge according to the instruction manual when completing the installation.

### **WARNING**

**Failure to install and operate this tank according to the manufacturer's recommendations may cause the tank to fail resulting in fatal injury, property damage and/or render the tank inoperable. This tank is prepressurized and under no circumstances should the tank, fittings or connected system be disassembled prior to the complete discharging of air and fluid pressures.**

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## INSTALLATION INSTRUCTIONS

**WARNING:** Before starting the installation, please read all installation information and supplements.

1. Turn off electrical power to pump at control box.
2. If replacing an existing tank, drain and depressurize system of water and air pressure and remove the old tank.
3. Remove tank from box and attach a union or tank cross to the drain assembly at bottom of tank. Use teflon pipe thread compound or tape on plastic threads of drain assembly to ensure a water tight connection.

**CAUTION: DO NOT OVER TIGHTEN** pipe connection at tank bottom. Thread connection on by hand until hand tight. Use back up wrench to support pipe extension when tightening connection.

4. Place tank in vertical position on a level surface. The base should be fully supported to ensure maximum stability.
  5. Connect all plumbing lines. (**Note: Prevent the tank connection from heating up if you are sweating fittings.**)
  6. An adequately sized pressure relief valve must be installed on the inlet line to the tank. The relief valve must not be isolated from the tank by a check valve and must be set so that the maximum operating pressure on front of tank is never exceeded.
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7. Check and adjust precharge air pressure of the tank while still empty. The precharge pressure must be set at 4 psig. (.28 bar) below the low pressure limit of the system. Replace the steel cap, firmly tightening on the air stem.

**Note:** For applications with the following conditions – high flow rates, high system pressures, or elevated water and/or air temperatures, it is recommended to increase the precharge differential to 10 psig (.69bar) below the low pressure limit of the system.

**TYPICAL SYSTEM PRESSURE RANGE**

30 PSIG to 50 PSIG (2.07 bar to 3.45 bar)

40 PSIG to 60 PSIG (2.76 bar to 4.14 bar)

**PRECHARGE**

26 PSIG (1.79 bar)

36 PSIG (2.48 bar)

8. Turn on system and check to assure all connections are leak free.
9. Do not exceed listed operating specifications on tank operating label.

**Note:** All plumbing should be in compliance with local codes and standards.



## WellMate Limited Warranty

### RESIDENTIAL APPLICATIONS

#### WHAT DOES THIS LIMITED WARRANTY COVER?

WellMate Residential Water System Tanks are warranted to the original owner to be free of defects in material and manufacture and will not fail within five years from date of original installation. (WellMate Residential Water System Tanks used in other than residential installations are warranted for only two (2) years from date of original installation) If failure occurs during these periods, WellMate will furnish to the original owner, a replacement WellMate of equivalent size. The replacement will be warranted for only the unexpired portion of the original warranty. Proof-of-Purchase and Proof-of-Installation must be provided to validate this warranty.

#### CONDITIONS AND EXCEPTIONS

This warranty shall apply only when WellMate is installed and operated in accordance with 1) all local plumbing codes 2) printed instructions provided with it 3) proper safety practices in handling.

This warranty will apply only when the tank is:

- owned by the original owner;
- used with potable water containing no sediment or chemicals;
- in its original installation location;
- sized to pump manufacturers recommendations;
- operated within limits stated on label;

Any injury to the tank or any part thereof (including vacuum exposure, freezing, fire, floods, lightning), any misuse, abuse or alteration of it, any operation of it in a modified form, or any attempt to repair tank leaks or parts, will void this warranty.

#### SERVICE AND LABOR RESPONSIBILITY

UNDER THIS LIMITED WARRANTY, THE WARRANTOR WILL PROVIDE A REPLACEMENT UNIT OR PARTS THEREOF. THE OWNER IS RESPONSIBLE FOR ALL OTHER COSTS. Such costs may include but are not limited to:

- Labor charges for service, removal, or reinstallation of tank or any part thereof;
- Shipping and Delivery charges;

#### CLAIM PROCEDURE

Any claim under this warranty should be initiated with the dealer who sold the product or with any other dealer selling the warrantors products. If this is not possible, contact WellMate Division of Pentair Pump Group, Chardon, Ohio 44024 (440) 286-4116

#### PROOF OF PURCHASE AND PROOF OF INSTALLATION ARE REQUIRED TO SUPPORT WARRANTY CLAIM FROM ORIGINAL OWNER.

This may be satisfied by mailing accompanying Warranty Registration Card.

#### OWNERS RECORD

*Keep for later use*

Serial No (See Tank Warning Label) \_\_\_\_\_

Model (See Tank Warning Label) \_\_\_\_\_

Date Installed \_\_\_\_\_

Installer Name \_\_\_\_\_

Phone # \_\_\_\_\_

*Retain copy of canceled check and Installation receipt*



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