



## When it comes to eliminating system pressure, **FLEX 2 PRO PH** is your safe bet.

Worrying about eliminating system pressure is a thing of the past!

FLEX 2 PRO PH potable water expansion tanks are designed to maintain safe pressure in domestic water systems that utilize a back flow preventer or check valve.

Equipped with a stainless steel system connection to prevent corrosion, the FLEX 2 PRO PH is in a whole different league.



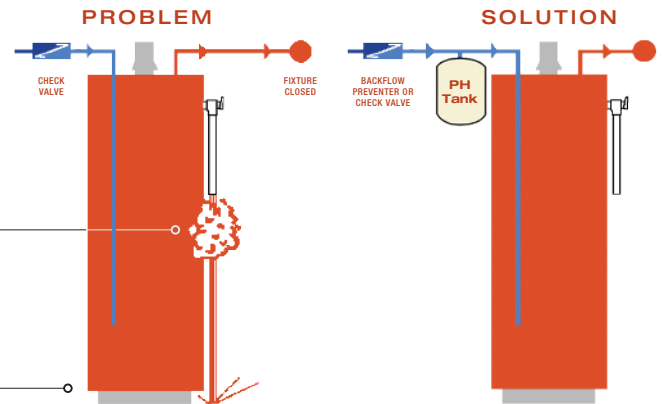
Stainless steel water connection to reduce corrosion.

**16 gauge** solid steel tank, finished with highest quality urethane paint.

Steel clench ring regulates movement and prevents diaphragm from rubbing against tank wall.

PH series thermal expansion tanks effectively eliminate built up system pressure.

100% pressure tested and backed with a 1 year limited warranty.



Adding a backflow preventer, check valve or water meter with a check valve creates a closed loop system. When water heats up, it expands with no place to go except through the relief valve.

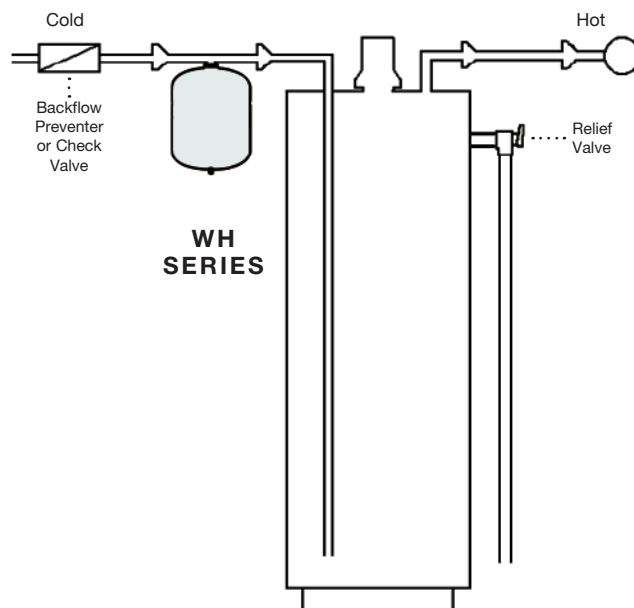
Installed on the cold water inlet, PH series thermal expansion tanks provides a reservoir for the water to expand. The water safely enters the tank and is released back into the system on demand.



# PH SERIES

Potable Water  
Expansion Tanks

## TYPICAL INSTALLATION



### MATERIALS OF CONSTRUCTION

- **Tank:** 16 gauge cold rolled steel
- **Finish:** Appliance quality paint for indoor or outdoor installation
- **Water chamber:** 100% butyl rubber, lined with polypropylene
- **Connection:** Stainless steel
- **Testing:** High pressure, seam weld, helium, final precharge check
- **Air valve:** Brass valve with o-ring seal
- **Warranty:** 1 year limited



### DIMENSIONS & CAPACITIES

| Model | Total Tank Volume |        | A Height |       | B Diameter |       | C Connection | Total Weight |       |
|-------|-------------------|--------|----------|-------|------------|-------|--------------|--------------|-------|
|       | gal               | liters | in       | cm    | in         | cm    |              | lbs          | kilos |
| PH 5  | 2.1               | 8      | 11.6     | 30.00 | 8.0        | 20.00 | 3/4" MNPT    | 5.00         | 2.3   |
| PH 12 | 4.8               | 18     | 14.5     | 37.00 | 11.00      | 28.00 | 3/4" MNPT    | 10.00        | 4.6   |
| PH 25 | 9.0               | 32     | 18.9     | 48.10 | 12.50      | 31.80 | 3/4" MNPT    | 15.40        | 7.0   |

Maximum working pressure 150 psig. Maximum working temperature, internal & external 200° F. Tank pre-charge 40 psig.  
NOTE: Ph Series tanks are certified to NSF Standard 61 Domestic Hot, but are suitable for temperatures up to 200° F.

### QUICK SIZING CHART

| Water Heater<br>Size/Volume | Maximum Water Temperature |        |        |        |
|-----------------------------|---------------------------|--------|--------|--------|
|                             | 130° F                    | 140° F | 160° F | 180° F |
| 30 GALLONS                  | PH 5                      | PH 5   | PH 5   | PH 5   |
| 40 GALLONS                  | PH 5                      | PH 5   | PH 5   | PH 5   |
| 50 GALLONS                  | PH 5                      | PH 5   | PH 5   | PH 12  |
| 60 GALLONS                  | PH 5                      | PH 5   | PH 5   | PH 12  |
| 80 GALLONS                  | PH 5                      | PH 12  | PH 12  | PH 12  |
| 100 GALLONS                 | PH 12                     | PH 12  | PH 12  | PH 25  |
| 120 GALLONS                 | PH 12                     | PH 12  | PH 12  | PH 25  |
| 150 GALLONS                 | PH 12                     | PH 12  | PH 25  | PH 25  |
| 175 GALLONS                 | PH 12                     | PH 25  | PH 25  | PH 25  |

\*Consult Factory  
Sizing based on water heater recovery from 40F, water supply pressure of 60 PSIG, and relief valve set at 150 PSIG. Adjust tank precharge to equal incoming water pressure.

