

ALL POTABLE WATER EXPANSION TANKS ELIMINATE HOT WATER ON THE FLOOR. ONLY ONE HAS A STAINLESS STEEL CONNECTION.

[PH SERIES POTABLE WATER EXPANSION TANKS, NO WORRIES.]

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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.

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

PH series thermal expansion tanks 100% effectively eliminate built up system pressure



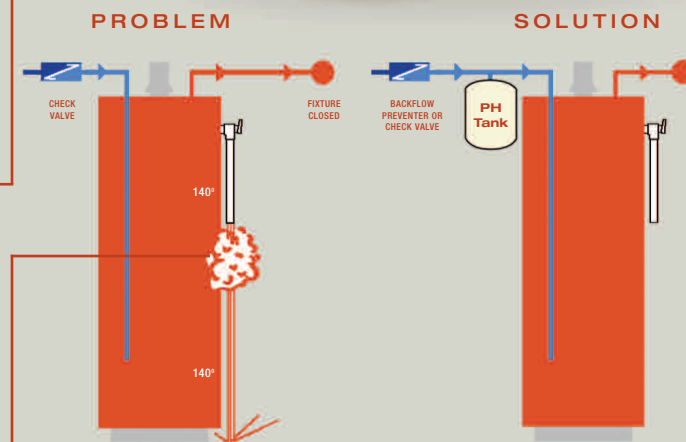
The nagging worry of eliminating system pressure has all but been eliminated.

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

PH tanks feature a 100% butyl diaphragm and plastic liner to separate the system water from the tanks air precharge.

The system connection has a stainless steel sleeve to prevent corrosion, something no other manufacturer offers. And, the tanks are finished with appliance quality paint which helps prevent external corrosion. On top of all this every PH tank is comprehensively tested and backed by Flexcon's 1 year limited warranty.

If this doesn't relieve all of the pressures that cause you to worry, nothing will.



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.

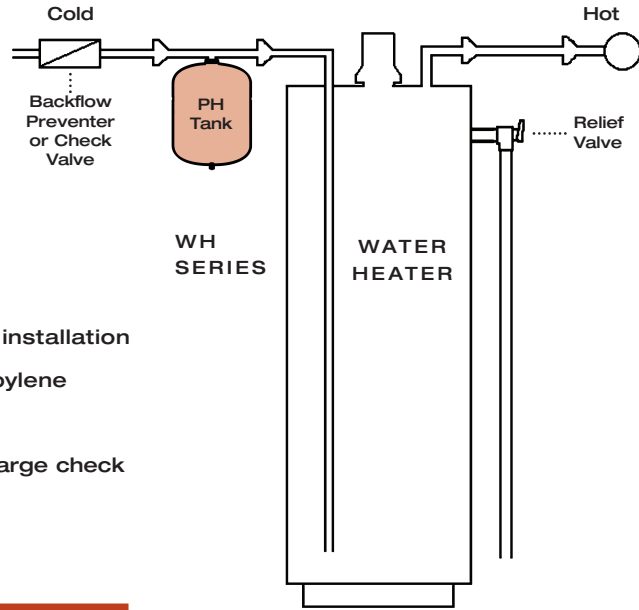
installed on the cold water inlet, PH series thermal expansion tanks provides a reservoir for the water to expand. The Water safely enters the tank and is released back into the system on demand.



The Reliable Source®



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: One year



DIMENSIONS & CAPACITIES

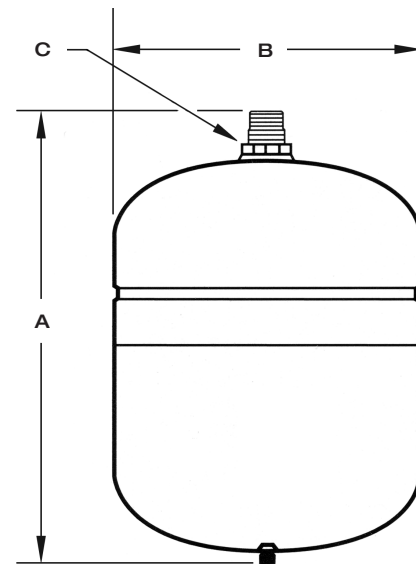
Model	Total Tank Volume		A Height		B Diameter		C Connection	Total Weight	
	gal	liters	in	cm	in	cm		lbs	kilos
PH 5	2.1	8	11.6	30.00	8.00	20.00	3/4" MNPT	5.0	2.3
PH 12	4.8	18	14.5	37.00	11.00	28.00	3/4" MNPT	10.0	4.6
PH 25	9.0	32	18.9	48.10	12.50	31.80	3/4" MNPT	15.40	7.0

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 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.



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