

Water Heater Expansion Tanks



Models G-5W and G-12W

Construction

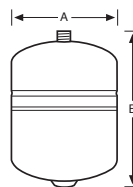
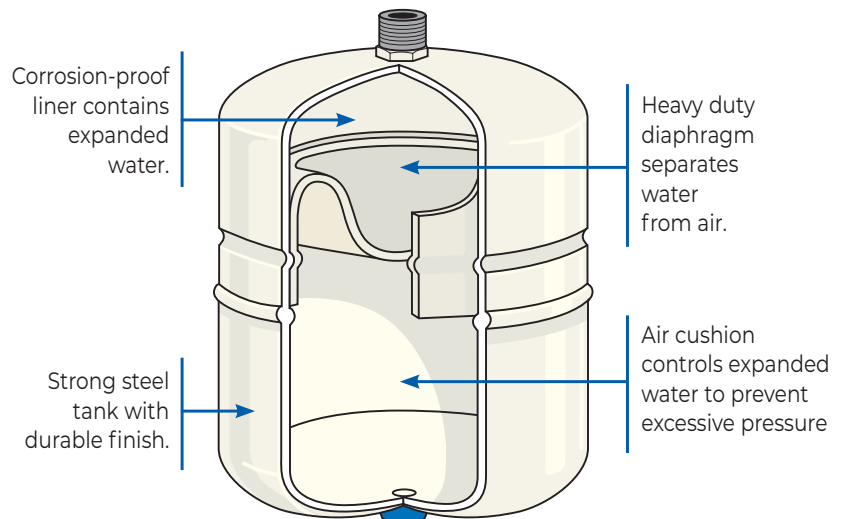
- ◆ Deep-Drawn Steel Shell
- ◆ Heavy Duty Diaphragm
- ◆ Polypropylene Liner
- ◆ Stainless Steel Connection
- ◆ Adjustable Air Valve
- ◆ 40 PSIG Factory Pre-Charge

Performance

- ◆ Max. Operating Temp.: 200° F (93° C)
- ◆ Max. Working Pressure: 150 PSIG (10.3 bar)

Application

- ◆ For use in closed, potable hot water systems to control pressure buildup and protect the water heater.
- ◆ Accepts expanded water as system temperature rises and returns hot water to system when demand occurs.



G-Series In-Line Models						
Model Number	Tank Volume (Gallons)	Max. Accept. Volume (Gallons)	Diameter (Inches) A	Height (Inches) B	System Connection (NPTM)	Shipping Weight (lbs.)
G-5W	2.0	0.9	8	13	3/4	5
G-12W	4.4	3.2	11	15	3/4	9

Why Do I Need a Water Heater Expansion Tank?

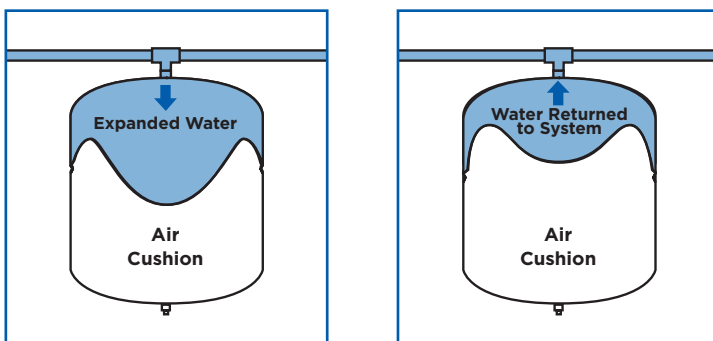
As water is heated, it expands. This is called *thermal expansion* and it occurs every time the water heater operates. Most plumbing codes now require homes to have a Backflow Preventor or Pressure Reducing Valve on the incoming water supply. These one-way devices create a closed piping system so the expanded water has no where to go.

What Happens Without an Expansion Tank?

All water heaters have a temperature and pressure relief valve which allows expanded water to escape before it damages the system. Most systems discharge this water onto the floor, wasting water and creating a mess.

How Does an Expansion Tank Work?

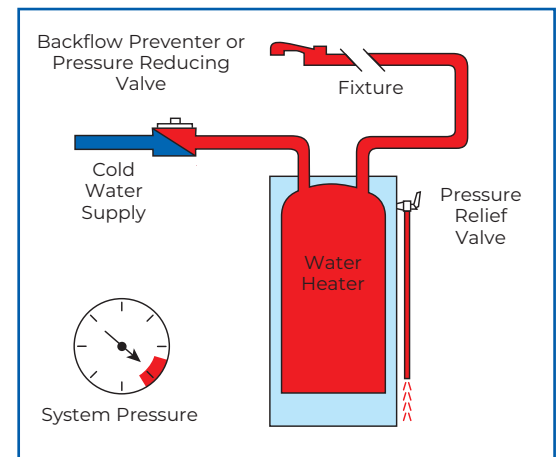
The Water Worker Expansion Tank is designed to cushion the expanded water until a faucet or other hot water fixture is opened. This process prevents noisy water hammer and damage to the system.



Heated Water Expands

Without an Expansion Tank

Heated water can cause the pressure relief valve to open, discharge water and damage the water heater.



With an Expansion Tank

Heated water expands into the expansion tank eliminating water discharge.

