

# The FILL-TROL® System — Expansion Control with Automatic Fill Feature



The AMTROL FILL-TROL® system consists of a specially adapted EXTROL pre-pressurized, diaphragm-type expansion tank, and the FILL-TROL, a specially designed, automatic, pressure-reducing fill valve.

- Provides accurate system make up
- Eliminates need for a separate, automatic fill valve
- Fully adjustable up to a maximum working pressure of 100 psig
- Factory pre-charged to 12 psig; tank pressure controls system fill

## FILL-TROL Specifications

Model Number	Tank Volume (Gallons)	Max. Accept. Volume (Gallons)	A Height (Inches)	B Diameter (Inches)	System Conn. <sup>1</sup> (Inches)	Shipping Weight (lbs.)
109	2.0	0.9	14 3/4	8	1/2	6
110	4.4	2.5	17 3/4	11	1/2	10
111	7.6	2.5	24 3/4	11	1/2	15
112	14.0	11.3	23	15 3/4	1/2	24

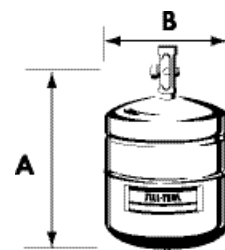
<sup>1</sup> System Connection is NPFT

Note: A standard EXTROL tank is not interchangeable with a FILL-TROL tank.

To use either sizing chart on page 4 for selection, 109 FILL-TROL is equivalent to #15 EXTROL, 110 FILL-TROL is equivalent to #30 EXTROL, 111 FILL-TROL is equivalent to #60 EXTROL, and 112 FILL-TROL is equivalent to #90 EXTROL.

## FILL-TROL Combination Packages

Model Number	FILL-TROL Model	Purger Model	Vent Model	Shipping Weight (lbs.)
109-P/1 or 1 1/4	109	443 or 444	700-C	10
110-P/1 or 1 1/4	110	443 or 444	700-C	14
111-P/1 1/4	111	444	700-C	18



## How the FILL-TROL System Works

Water enters the FILL-TROL valve, pushing open the check valve, and flows into the heating system. The automatic shut-off valve is kept open by the diaphragm pressing against the pressure plate, raising the stem of the fill gate, which compresses the automatic shut-off valve spring. When the heating system reaches fill pressure (12 psig), the tank's diaphragm depresses and the automatic shut-off valve is closed.

Whenever system pressure falls below 12 psig, the automatic shut-off valve is pressed open by the diaphragm. Make-up water flows into the system to restore pressure.

