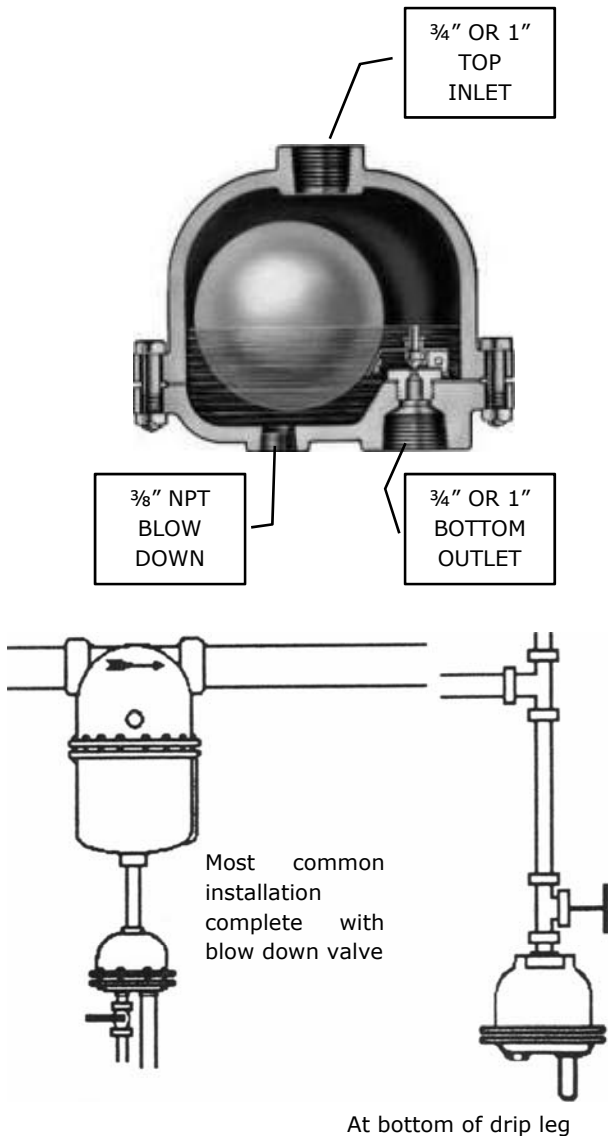


INSTALLATION INSTRUCTIONS FOR MODEL 90/95 AC FLOAT STYLE DRAIN TRAPS



INSTALLATION

The model 90 (cast iron) float drain trap has a 3/4" inlet and outlet connection. The model 95 (cast steel or 316SS) has a 1" inlet and outlet connections. Both model 90 and 95 float drain traps have a 3/8" NPT blow down connection. The installed plug may be removed to install an optional blow down valve.

In most installations the float drain trap is hung directly beneath the vessel it is intended to drain or at the bottom of a drip leg. If the trap is offset from the bottom of the vessel a vent line is required; the absence of a vent line may result in the drain trap becoming air bound after only a few cycles (prevents it from operating).

GENERAL DESCRIPTION

The 3/4" model 90 (cast iron) and 1" model 95 (cast steel or 316SS) automatic drain traps will drain liquids (typically water) without allowing the compressed gas (typically air or steam) to escape with the liquid. The mechanism is fairly simple:

- 1) Liquid flows into the trap from above and builds up within the trap.
- 2) The float rises until it is elevated enough such that a valve linked to it is forced open, allowing the liquid to start draining out the bottom.
- 3) As the liquid drains, the float is lowered and at its lowest point, the valve is closed.

A small volume of liquid remains within the trap body, creating a liquid seal and the drain valve closed tight.

