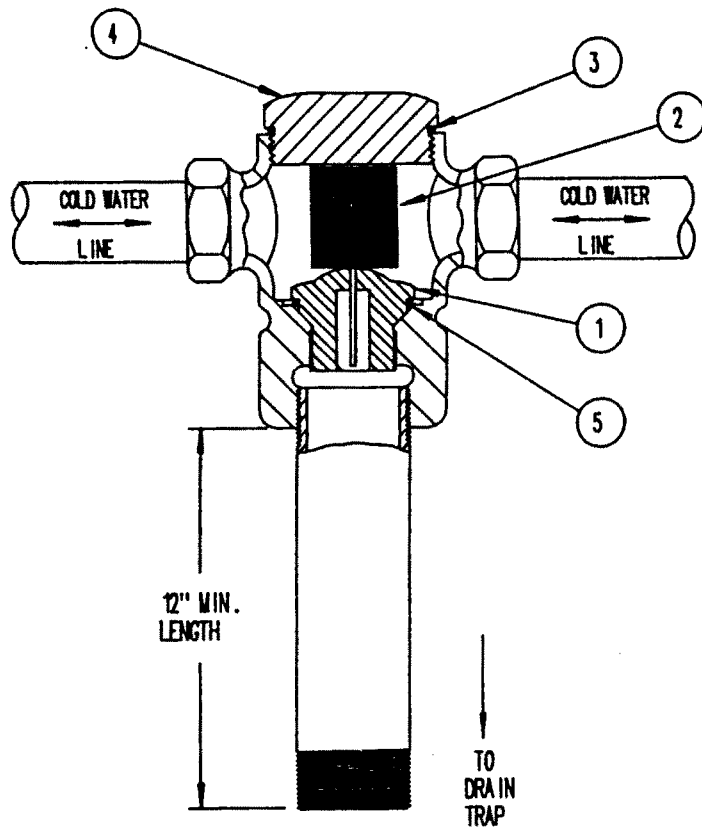


TRAP SEAL PRIMER

Application / Operation / Installation
Repair Parts and Overhaul Instructions



**IMPORTANT -
READ BEFORE
INSTALLING**

APPLICATION

This valve, when properly installed in a cold water supply line and connected to a floor drain trap, will insure a constant seal of fresh water in the drain trap.

Frequently, without such a device, this water seal will evaporate from the trap, thus allowing sewer gas and vermin to escape into a home or building from the sewer lines.

OPERATING PRINCIPLE

As water is drawn thru the supply line by an appliance or water closet the resulting flow activates the valve mechanism which meters water from the supply line into the trap line.

INSTALLATION REQUIREMENTS

1. Lines must be clear of dirt.
2. The inside diameter of the piping connection to the drain trap should be 1/2" I.P.S. and must be a straight vertical piece at least 1' long if copper tubing is to be used. For connection to a drain trap, it is required that a straight vertical length at least 1' of 1/2" I.P.S. be installed, between primer and copper tubing. The copper tubing, if used, should never be less than 1/2" I.D.
3. No elbows, tees or reducers are permitted to be screwed into the trap outlet because water will splash thru the vent ports.

4. Cap, valve seat and poppet must be removed prior to soldering.
 5. Valve drain trap must be vertical.
- Connect to a horizontal cold water supply line near the drain trap. Allow sufficient clearance above valve to remove cap.

No other adjustment is required. Check all joints for leaks. When water flows it can be seen at exhaust port through the sanitary side slots. The air gap is a vacuum preventer.

OVERHAUL INSTRUCTIONS

1. Close supply line valve to shut off water pressure.
2. Remove cap (item 4). Requires 1 1/4" hex wrench. Lift out poppet (item 2).
3. Use 5/8" thin wall socket wrench to unscrew brass valve seat (item 1).
4. Insert new valve seat and O-ring in primer body and tighten.
5. Place poppet assembly on valve seat. Small stem must extend into seat orifice.
6. Assemble cap and O-ring in primer body and tighten.
7. Open water supply line valve. Check for leaks around cap, with water flowing in supply line. See that the water is flowing into the trap.

No other adjustments should be required.