

For Armstrong Traps 890 1/2", 880 1/2", 880 3/4"

The unit performs by the up and down movement of the internal piston, caused by the water flow when trap discharges, and the reflected movement of the external "magnetic indicator ring". Installed, it will always indicate if the trap is open or closed, or functioning properly.

INSTALLATION

1. INSERT the piston into the body. Hold them together right side up and drop the magnetic indicator ring over the body. If it falls down to your fingers, it is upside down. It should float on the body. Mark the indicator ring so you know which is the "up" side.
2. REMOVE the test plug from the Trap.
3. PLACE piston into the opening with the flange side down.
4. SCREW body into the test opening.
5. PLACE aluminum spacer ring on the body.
6. PLACE the magnetic indicator ring on the body with the right side up as noted above.

Proper trap operation is indicated by intermittent readings of the "UP" and "DOWN" on the magnetic indicator ring. The time period between the two readings, shows the relative trap load.

A continuous "UP" reading means improper trap operation. You should check for:

- A. Trap has lost prime, or is defective and blowing live steam.
- B. Trap is undersized and is not discharging required condensate capacity.
- C. Dirt or scale has obstructed valve seat and is preventing trap valve from closing properly.

A continuous "DOWN" reading means improper trap operation. You should check for:

- A. Trap bucket or leverage defective.
- B. Condensate not reaching the trap.
- C. Steam pressure higher than rating stamped on trap cap.

Operating Principle: Unit works on Magnetic principle of "like" poles attract, "opposite" poles repel. There is a magnet in the piston and when the ring magnet is set, it is repelled by the piston magnet. It will move up and down as the piston moves inside the brass body.

