

# Installation, Operating & Maintenance Instructions

## Inverted Bucket Steam Traps

### Introduction

The COLTON inverted bucket steam trap is designed to automatically drain the condensate from steam equipment and steam mains.

### Warning:

Steam systems can be dangerous - safety precautions must be observed. Before working on steam equipment, make sure that the pressure has been released and the equipment has cooled.

### Installation:

If the unit to be trapped does not have a sump or reservoir - a drip leg must be fitted at the drain location and your steam trap should be installed below the drain point in an accessible position and location for easy servicing. The maximum differential pressure stamped on the nameplate must be greater than the maximum pressure differential across the selected steam trap.

Install below and close to the equipment being drained. Avoid long lengths of horizontal piping leading to the steam trap. Allow vertical clearance for service and pitch all horizontal lines in the direction of flow.

All models (even those with an integral screen) should have a line strainer installed ahead of them and union fittings and shut-off valves should be installed on both sides of the trap for ease of testing and maintenance. A test and exhaust valve installed on the trap outlet can be used to relieve line pressure prior to servicing or to allow you to visually check the trap for steam leaks during future inspections.

The bucket trap must be installed with the body upright so that the internal bucket is rising and falling vertically. The inlet and outlet connections should be in a horizontal plane for all models except the CB2 series which have the inlet in the bottom and the outlet vertically out of the top.

### Priming:

Inverted bucket traps (especially the larger models) may need to be primed before being placed into service.

Remove the pipe plug from the trap cover and pour in water until the trap is full and then replace the plug or keep the return piping isolation valve closed until the trap fills with condensate and then slowly open the valve.

### Maintenance:

The steam trap mechanism should be inspected periodically and all dirt removed from the working parts. Worn parts must be replaced.

### TYPICAL INSTALLATION

