

Installation, Operating & Maintenance Instructions

Separators for Steam, Air or Gas

Introduction

The COLTON separators are designed to remove moisture and particulate matter from lines flowing steam, compressed air or other compressed gases.

Warning:

Piping systems can be dangerous - safety precautions must be observed. Before working on equipment, make sure that it has been isolated, the pressure has been released and, where necessary, the unit has been cooled.

Installation:

The maximum differential pressure stamped on the nameplate must be greater than the maximum operating pressure of the system.

Install the separator in a straight horizontal run of the steam, air or gas line with the drain located at the bottom of the unit - as shown below.

Trapping the Separator:

Steam Systems

- we recommend the use of a Colton float and thermostatic steam trap selected for the operating pressure of the system and the amount of condensate anticipated. Other 'second choice' Colton steam trap selections are the inverted bucket and the thermodynamic series.

Air or Gas Systems

- we recommend the use of a Colton float type drain trap selected for the operating pressure of the system and the amount of liquid anticipated. *Note:* if the specific gravity of the liquid being removed is below 1.0 or other than water, care should be taken in the float trap selection. Other 'second choice' Colton drain trap selections are the thermodynamic series and the timed AutoDrainer.

Carefully follow the selected steam trap or drain trap installation instructions.

Maintenance:

There are no moving parts in the Colton separators and they are relatively maintenance free. However, there are internal vanes or baffles which should be periodically inspected for wear or erosion that could affect separation efficiency. We recommend an annual inspection.

