

Installation, Operating & Maintenance Instructions

CFA Series - Float Type Drain Traps

Introduction

The COLTON float type drain trap is designed to automatically drain the condensate from compressed air equipment and mains.

Warning:

Compressed air systems can be dangerous - safety precautions must be observed. Before working on equipment, make sure that the pressure has been released.

Installation:

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

All models should have a line strainer installed ahead of them and union fittings and shut-off valves should be installed on both the trap inlet and equalizing piping for ease of testing and maintenance.

The float type drain trap must be installed with the body upright (as shown below) so that the internal float is rising and falling vertically. On the 3/4" and 1" models, the second inlet connection can be utilized as a connection for the equalizing line. On larger models a boss at the top off the body has been tapped for the equalizing connection.

Maintenance:

Accumulated dirt and sludge can be removed by 'blowing down' through the drain connection in the bottom of the trap body. The mechanism should be inspected periodically and all dirt removed from the working parts. Worn parts must be replaced.

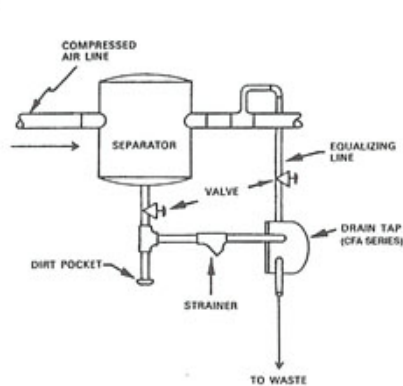


Fig. 1

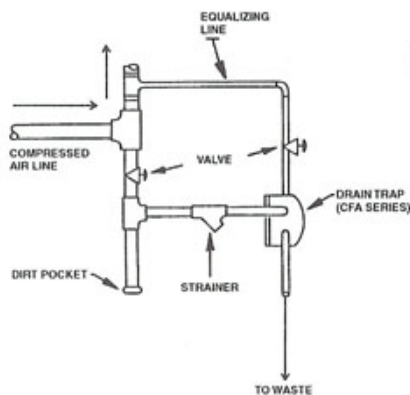


Fig. 2

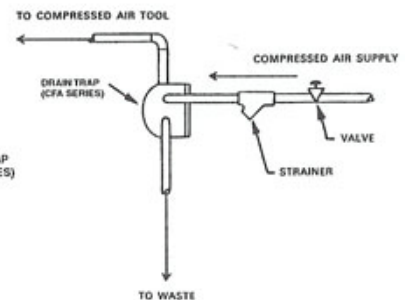


Fig. 3

Fig. 1 & 2: An equalizing line must be installed between the top of the trap body and the compressed air supply. This line prevents air binding, and allows water to enter the trap.

Fig. 3 shows a drain trap used in the supply line to a compressed air tool. In this case the supply to the tool may be taken from the tapping in the top of the trap body. The equalizing line is not necessary.