

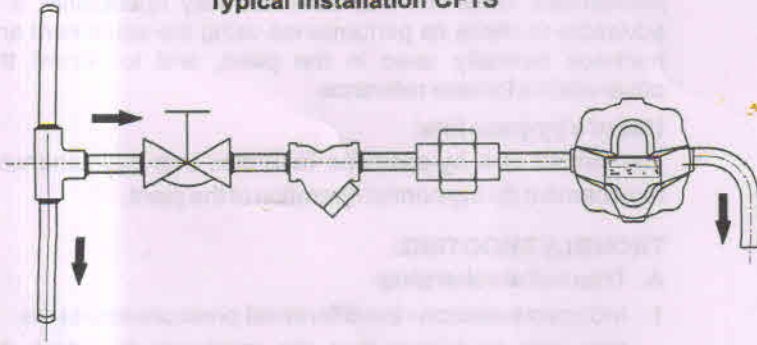


COLTON INDUSTRIES

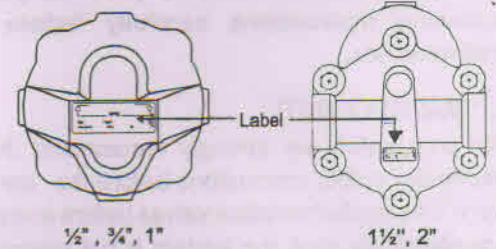
INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

CFTS

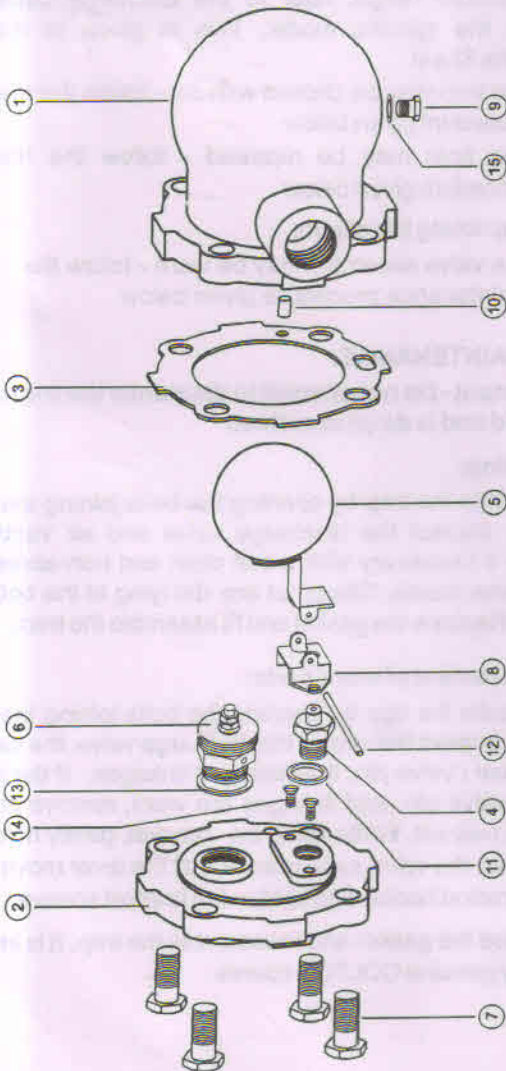
Typical Installation CFTS



Side Views CFTS



CFTS 1/2", 3/4", 1", 1 1/2", 2"



MATERIAL

No.	PART	MATERIAL	QTY. (Nos.)
1.	BODY	CAST IRON FG200	01
2.	COVER	CAST IRON FG200	01
3.	GASKET	CAF / Non CAF	01
4.	VALVE SEAT	Cr Steel	01
5.	BALL FLOAT & LEVER ASSY.	SS	01
6.	AIR VENT ASSY.	BIMETAL / SS	01
7.	BOLT	HIGH TENSILE / ASTM A193 Gr.B7	04
8.	BRACKET	AISI 304	01
9.	DRAIN PLUG	CS	01
10.	LOCATING PIN	AISI 304	01
11.	GASKET	COPPER	01
12.	PIN	AISI 304	01
13.	GASKET	COPPER	01
14.	SCREWS	AISI 304	02
15.	GASKET	CAF / Non CAF	01



**COLTON
INDUSTRIES**

INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

CFTS

Thank you for choosing a COLTON product. To get the best performance from the product, please read the following instructions carefully before installation / maintenance.

⚠ SAFETY FIRST!

For your safety we strongly recommend that you take all necessary safety precautions before the commencement of work. Ensure that isolation valves before and after the product are effectively shut, the system is not pressurised, and is at ambient temperature. In addition to using proper tools, use protective clothing suitable for the work environment.

In the event of leakage or other malfunction, call a qualified service person. Continued operation may cause system failure and could be hazardous.

Carefully abide by all local and company regulations for safety, site work, etc.

NEW TRAP INSTALLATION:

Product specifications:

Read carefully the specifications marked on the product, esp. the pressure/temperature rating, flow direction, and size, and ensure that these are adequate for the required application.

Location and fitment:

Ideally, the trap should be located/fitted:

1. Below the drain point
2. Close to the drain point
3. With correct alignment so that the float can rise and fall freely - the label on the trap should be aligned as in the figure below, and the flow direction should follow the arrow on the housing.
4. With sufficient space and lighting around to facilitate periodic checking and maintenance. Depending upon the space and location, any one inlet port and any one outlet port could be connected. Unused ports should be plugged suitably.

Installation procedure:

The use of a drip leg and dirt pocket before the trap is recommended for reducing the incidence of steam binding, and the need for frequent cleaning

Installation Procedure:

Ensure that the lines are clean before fitting the trap. Remove the protective end caps and fit the trap into the piping system. Open the isolating valves slowly to avoid system shocks, and

inspect the fitment for leaks after the trap has been fully pressurised. Once the trap becomes fully operational, it is advisable to check its performance using the equipment and methods normally used in the plant, and to record the observations for later reference.

Use of a by-pass line:

The fitment of a by-pass line facilitates trap maintenance / replacement during normal operation of the plant.

TROUBLE SHOOTING:

A. Trap not discharging:

1. Incorrect selection - the differential pressure across the trap may be higher than the maximum for which the trap is rated. For proper selection of the operating pressure range, refer to the discharge capacity table for the specific model. This is given in the Product Data Sheet.
2. The trap may be choked with dirt - follow the maintenance procedure given below
3. The float may be ruptured - follow the maintenance procedure given below

B. Trap losing live steam:

The valve assembly may be worn - follow the maintenance procedure given below

⚠ MAINTENANCE:

Important - Do not attempt to dismantle the trap until it has cooled and is de-pressurised

Cleaning:

Dismantle the trap by opening the bolts joining the body and cover. Inspect the discharge valve and air vent/SLR unit. Clean if necessary with a soft cloth and non-abrasive / non-corrosive media. Clean out any dirt lying at the bottom of the body. Replace the gasket and reassemble the trap.

Replacement of worn parts:

Dismantle the trap by opening the bolts joining the body and cover. Inspect the seat of the discharge valve, the valve ball on the lever / valve pin, the float, and linkages. If the seat, valve ball / valve pin, and linkages are worn, remove and replace with a new set. While fitting the bracket, gently hold the valve ball onto the valve seat, ensure that the lever moves freely on the bracket hooks, and tighten the bracket screws.

Replace the gasket and reassemble the trap. It is important to fit only genuine COLTON spares.