

Condensate Drain Cooler Thermostatic

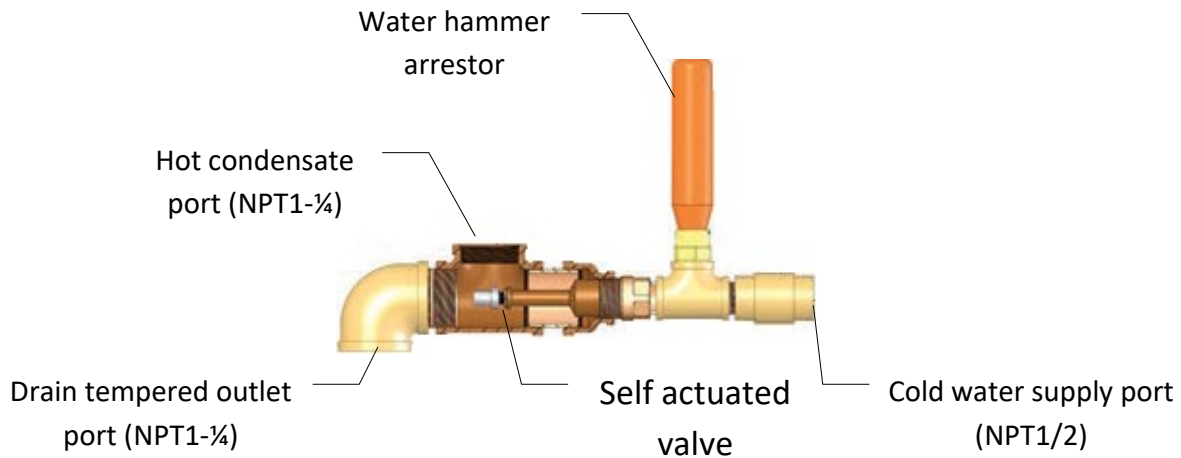


Figure 1 – CDCT Overview

Technical data

Cold water inlet 1/2in NPT,
 Maximum cold water inlet pressure:
 125PSI [8.0bar]
 Maximum hot condensate temperature:
 250°F [121°C]
 Maximum allowable drain temperature:
 140°F [60°C]
 Cv: 2.0

Principle of operation

CDCT is equipped with a self-operating, temperature actuated valve designed to respond to elevated drain temperature and allow cold water to flow into the drain to keep the drain effluent below the maximum allowable drain temperature of 140°F [60°C] through 1-1/4in NPT [DN31] outlet port.

IMPORTANT: CDCT is full open at its stated temperature and full closed approximately 10°F lower. CDCT is supplied with cold water supply check valve and water hammer arrestor.

CDCT should typically be installed as close to the outlet of the “hot source” as possible in order to allow the cold water to fully mix before running down the drain.

CDCT is installed with the thermal actuator end inserted into the drain line and the cold water inlet connected to the valve’s 1/2in NPT female threaded connection.

If installed and maintained as recommended, CDCT is trouble and free service.

Typical installation

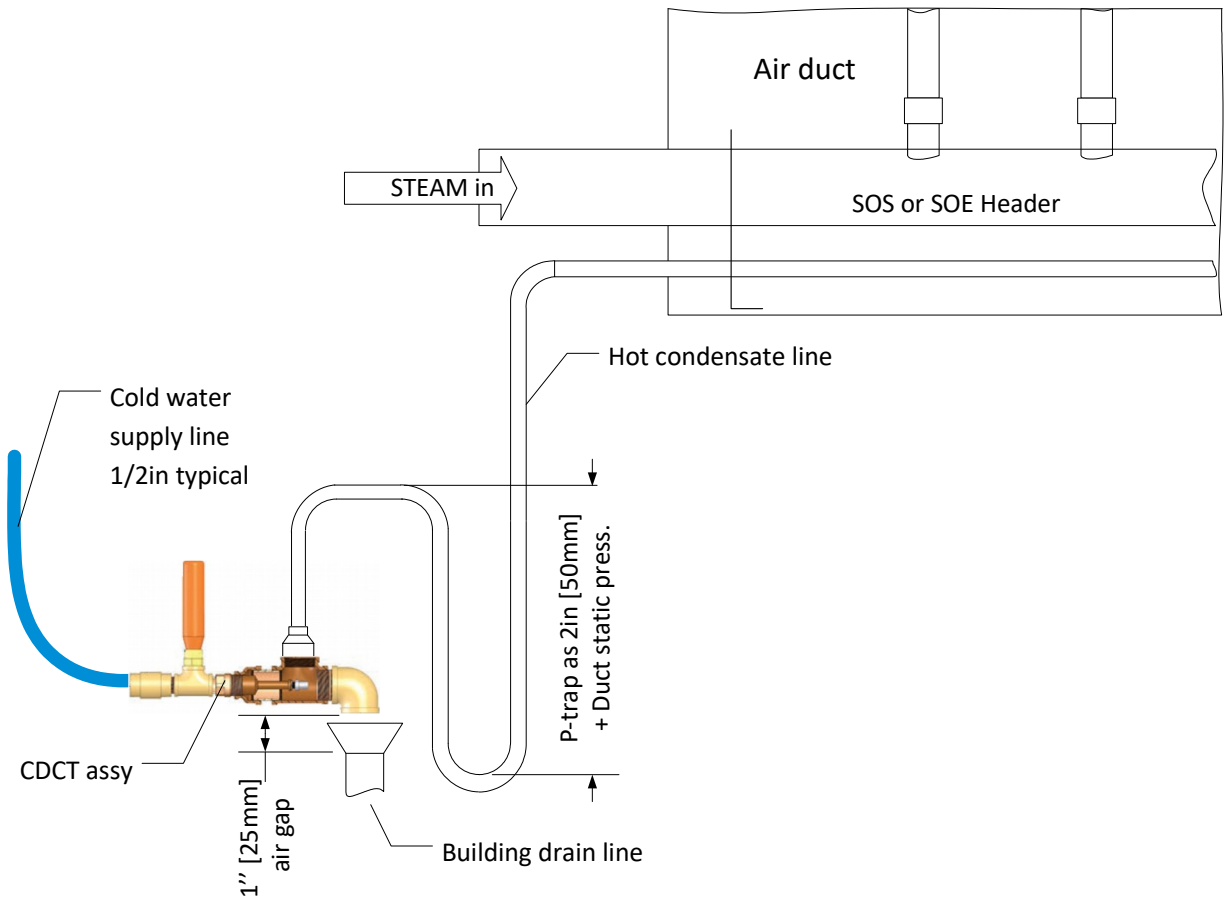


Figure 2 – Typical installation

CDCT Dimensions

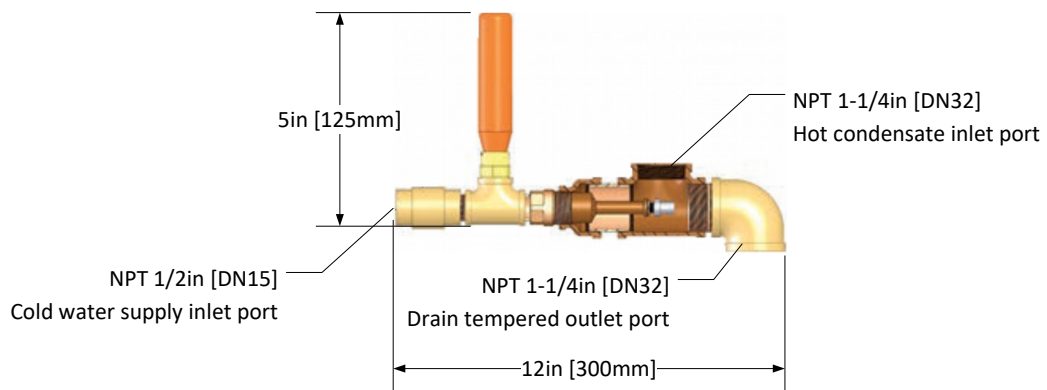


Figure 3 – CDCT Dimensions