



SYSTEM DESCRIPTION

The DCT-927 drain tempering kit is designed to provide drain water temperature of less than 140°F. The DCT-927 can be used with all PURE Humidifier Co. products. NOTE: When utilized with any of PURE's humidifiers, the condensate return must be a vented gravity drain.

The system utilizes a temperature sensor to sense the water temperature and open the temperature-actuated cold water mixing valve. Since the system is temperature-actuated, no power supply is required.

SYSTEM OPERATION

The DCT-927 drain water tempering kit contains an adjustable temperature sensor factory set-point at 135°F. When the temperature sensor senses a temperature higher than the set-point (135°F), it opens temperature-actuated cold water mixing valve. The cold water supply tempers the hot water and ensures a temperature of 140°F or less. The DCT-927 is factory assembled and shipped loose for field installation.

DCT-927 Capacities

	Hot Water In	Cold Water In	Tempered Water Out
Flow Rate GPM (L/m)	6 gpm (22.7 L/m)	6 gpm (22.7 L/m)	12 gpm (45.4 L/m)
Temperature °F (°C)	212°F (100°C)	70°F (21°C)	140°F (60°C)

The information above is based on one humidifier feeding the drain tempering kit. Cold water supply pressure should be 35 psi (2.4 Bar) minimum and 95 psi (6.6 Bar) maximum.

SPECIFICATIONS

Sensor range: 115-180° F (46-82°C), factory set at 135° F (57°C),
 Construction: Chamber: Stainless Steel
 Temperature Sensor: Copper
 Water Supply Valve: Bronze