



# CLOSED LOOP DRY FLUID COOLERS

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## I-R CLOSED LOOP - DRY FLUID COOLERS

### STANDARD CONSTRUCTION

The **Ingersoll-Rand** System features three modules; the coil section with controls, the pump module, and the surge tank. Each unit is defined below.

#### COIL / CONTROL SECTION

The coil section casing is constructed of bright aluminum sheet and is divided into individual fan sections by full width baffles.

Cooling coils are installed in a horizontal arrangement. The coils feature copper tubes and aluminum fins. The coil also features copper headers. Coils are leak tested at the factory to 300 PSIG (minimum), dehydrated, evacuated and sealed for shipment.

A fan or fans are provided to draw ambient air through the coils for cooling. The fans are propeller type with aluminum blades and TEAO (totally enclosed air over) motors.

All electrical connections are provided in a weatherproof enclosure integral to the coil section. Fan cycling with dual pump controls and a built-in disconnect switch are standard. On model 1820 the control panel is not part of the coil section, it will be supplied on the pump package see Evaporative Section on pump selection, and pricing.

#### PUMP MODULE

There are two types of pump modules available:

The P2/DP2 pump modules are provided with horizontal close-coupled pumps complete with "ODP" motors, mounted in a weather tight enclosure.

The P3/DP3 pump modules are provided with horizontal close coupled pumps complete with "TEFC" motors, mounted on a base plate.

Pressure and temperature gauges are available as options.

#### SURGE / EXPANSION TANK

A surge / expansion tank is provided to complete the system components. This tank is shipped loose for mounting in the field.