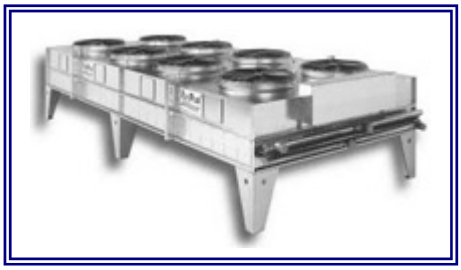
DFC – Dry Fluid Cooler



Our DFC is an industrial grade dry type fluid cooler available from 10 to 130 tons for industrial, process cooling applications. Cooling Technology's Dry Type Fluid Coolers can be designed to meet virtually any heat load. The DFC line comes with a 30% ethylene glycol mixture.

SUPERIOR BY DESIGN

The dramatic increases in city water rates, along with the costly operation of evaporative cooling towers, have created a demand for closed circuit cooling systems.

Cooling Technology offers a complete line of Dry Type Fluid Coolers for industrial process cooling applications. Our DFC line of Fluid Coolers can be designed to meet virtually any heat load.

HIGHEST QUALITY COMPONENTS

Our DFC models are completely sealed, thereby requiring no make-up water or expensive chemical treatment. As these coolers are a closed circuit design, they conserve both water and energy, and are environmentally friendly. Most importantly, our systems are rated and sized specifically according to the customer's site and requirements.

High efficiency designs use high efficiency components, reducing operation costs and help meet upcoming energy regulation. Long life components selected for dependability and reduced warranty costs.

SPECIFICATIONS

Coils are manufactured using seamless, deoxidized, heavy wall, smooth copper tubes. They are mechanically expanded in self-spaced, full collared aluminum corrugated plate fins for permanent bond and maximum heat transfer. Connections and bends are brazed with high temperature brazing alloy. The coil is factory leak-tested at 400 psig. All tube sheets are provided with oversized holes and tubes are supported in sliding tracks for friction-free assembly and maximum reliability.

Headers are made with seamless copper tubes and connections are made with pipe-threaded seamless red brass pipe. Headers include ½" NPT drain and vent.

Casings are heavy-gauge galvanized steel G90 with plated hardware for corrosion-free assembly. The cabinet is sectionalized with individual fan chambers. The unit is a bolted construction. Coil is independent of fan section. Models are provided with 3 ¾" high-spun venturies for minimum noise and maximum efficiency. Side access panels are included for easy coil inspection and clearing.

Fan Guards and Motor Mounts are welded wire construction for full protection from moving parts. Baked on powder epoxy coating provides corrosion protection.

Fans are aluminum blades riveted to a steel hub. They are statically and dynamically balanced for smooth and vibration-free operation.

Control panels come complete with motor contactors and fuses (per motor or per pair of motors), two or four stage aqua-stat, terminal block and control transformer.

All motors are wired to weather resistance box. The unit is provided with terminal blocks for easy field installation. Terminals are clearly identified to match wiring diagram supplied with the unit. Motors are wired using flexible cord and are terminated with liquid tight straight-through fittings.