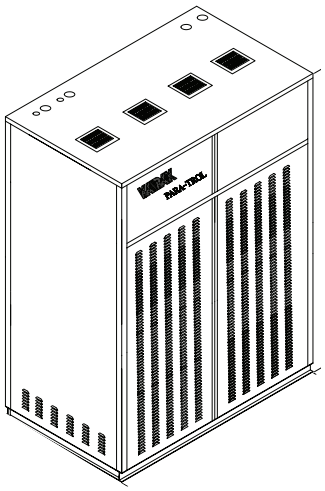
ITEM #_____

Remote Refrigeration System (KPR Model)



Models

PARATROL WATER-COOLED PACKAGE

KPR

Product Details

WATER-COOLED SYSTEM

Parallel compressor rack employs parallel-piped scroll compressors (Copeland) for medium temperature & for low temperature, a control panel, oversized water-cooled condenser and receiver all mounted on one common structural steel frame. The control panel contains all the necessary controls for food service fixtures and motors, and is factory wired to the motor compressors, the inter-connected motor compressors act as one condensing unit with capacity control obtained by cycling individual compressors using solid state pressure controller. The compressor staging controls parallel piped refrigeration compressors with cut-in / cut-out suction pressure settings. The suction algorithm uses pressure reading from the suction transducer to determine the number of stages that should be active in order to reach the defined set points. The system includes an electronic control staging of the compressors to match the refrigeration by means of the pressure transducer. A software program is provided to allow monitoring of the set points from a personal computer.

Each unit is equipped with a replaceable core liquid line filter-drier, moisture indicator and hand valve mounted between the receiver outlet valve and the liquid manifold. There is also a replaceable core-suction line filter mounted between each compressor and the main suction header.

Individual branch circuits are connected to liquid and suction line manifolds at the rack. To achieve multiple evaporating temperatures within a medium or low temperature range, EPR valves with suction-stop are used.

Fixture thermostat and liquid line solenoid valve combinations are employed for accurate temperature and humidity control.

All units are new and factory assembled to operate with the refrigerant specified in the refrigeration engineering summary sheet. R-404A refrigerant is used on all commercial and low temperature units.

OIL EQUALIZATION SYSTEM

Each unit is equipped with an oil separator in conjunction with an oil equalization system to assure a proper amount of oil to each compressor whether running or cycled off for continuous proper lubrication.

Each oil equalization system is equipped with oil reservoir, oil return filter/drier automatic oil level regulators for each compressor and interconnecting tubing per schematic diagram. The oil level control system incorporates isolation valves to facilitate serviceability and minimize system contamination.

EVAPORATOR COIL

Evaporator coils are direct expansion type fabricated of copper tubes with aluminum fins. All evaporator coils are provided with solenoid valve, thermostatic expansion valve and thermostat. Piped and wired ready for final connection by the electrical and refrigeration contractors.

Features

- Fabricated of galvanized steel.
- Frame is pre-assembled, welded, cleaned and finished in baked enamel epoxy based paint.
- Exhaust fan motors are mounted on top of the enclosure.

Options

- Housed in stainless steel enclosure
- Remote, Air-Cooled or Water-Cooled Condensing units.
- 460 Volt Operation
- Alarm Package
- Floor Heating Recovery System

Standard Warranty

- Five (5) Year Compressor
- Ninety (90) Day Parts and Labor Standard

Intertek

500 S. State College Blvd., Fullerton, California 92831
Toll-Free: 800-833-1106 Phone: 714-870-8661 Fax: 714-870-1977

KPR-07-31 / 09-24-07
Made in the U.S.A.