

OASIS EPX™

Indirect Evaporative A/C System



Product Description & Advantages

Indirect evaporative cooling, cools air without added humidity. By using a cross fluted heat exchanger, the water never comes in contact with the air. Using indirect evaporative cooling for the first stage of cooling makeup air reduces energy costs. The second stage is handled by conventional air conditioning. The use of an indirect evaporative cooling system in conjunction with a mechanical A/C system off sets cooling loads and significantly reduces energy consumption during peak design conditions.

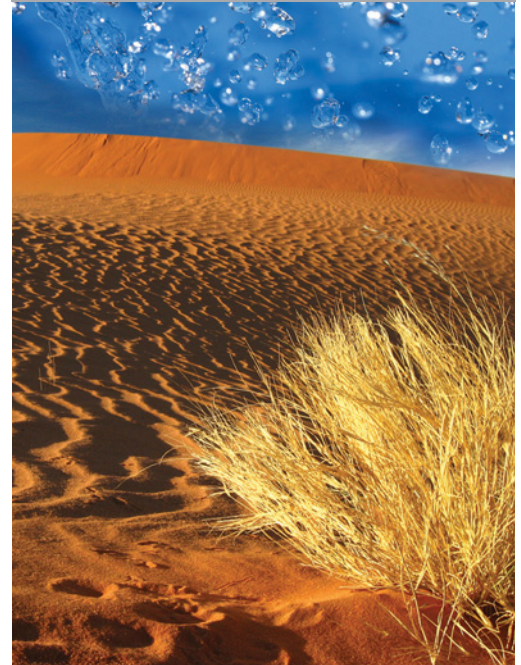
Munters EPX uses a corrosion-resistant polymer heat exchanger to produce dry, cool air without refrigeration. The heat exchanger core incorporates unique, horizontal polymer tubes. Water flows down over the tubes as air is blown through the tubes in a counter direction. This air may be scavenger ambient-air or exhaust air from the space. When exhaust air is routed through the EPX, the system becomes even more efficient as it recovers the cooling energy from the space. In the winter months, the EPX can recover heat exhausted from the space.

Air supplied to the space flows through the tubes and is sensibly cooled - no moisture added. In many cases, on a design summer dry bulb day, the EPX can lower the incoming air temperature by 30°F or more. In the winter months the EPX can recover 50% of the heat exhausted from the space.



PRODUCT INFORMATION

OASIS EPX



BENEFITS

- Treat makeup air for 50% less energy
- Provides a cool, dry environment
- Cooling energy recovery
- R-410 refrigerant
- Winter heat recovery
- ETL listed
- Qualify for utility rebates and/or LEED credits

Oasis™ EPX

Standard Features

- ☑ R-410a Refrigerant
- ☑ 100% Makeup Air Operation
- ☑ Heat Pipe Heat Exchanger
- ☑ Packaged DX System
- ☑ Indirect Evaporative Cooling
- ☑ Industrial Quality Construction
- ☑ One Piece Shipment
- ☑ Utility Rebates and LEED Credits
- ☑ ETL Listed

Unit Options

- Hot Water, Steam, Electric or Gas Heat
- Chilled Water Cooled, Hot Water Heat
- High Efficiency Air Filters
- Heat Exchanger Bypass Dampers
- Scroll Compressors
- Direct Evaporative Cooling



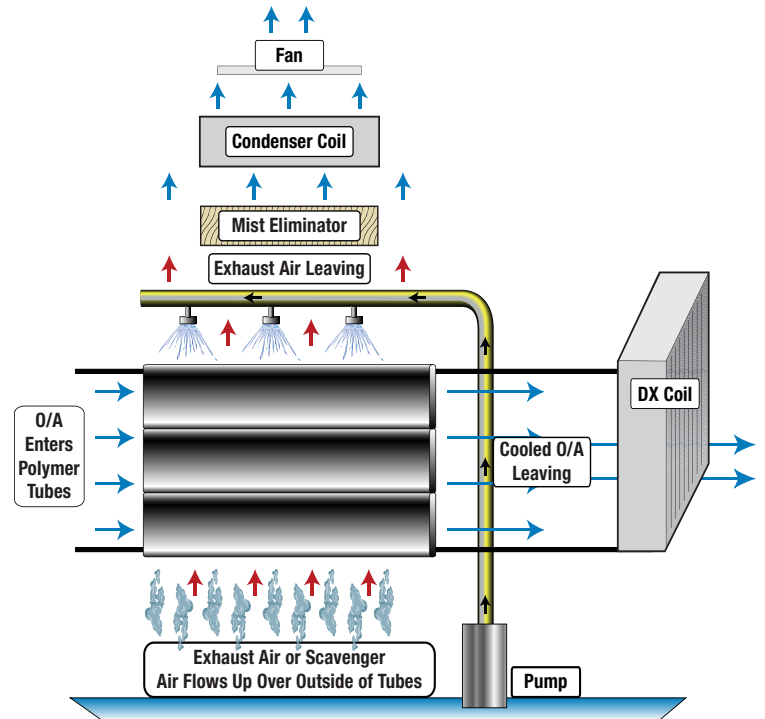
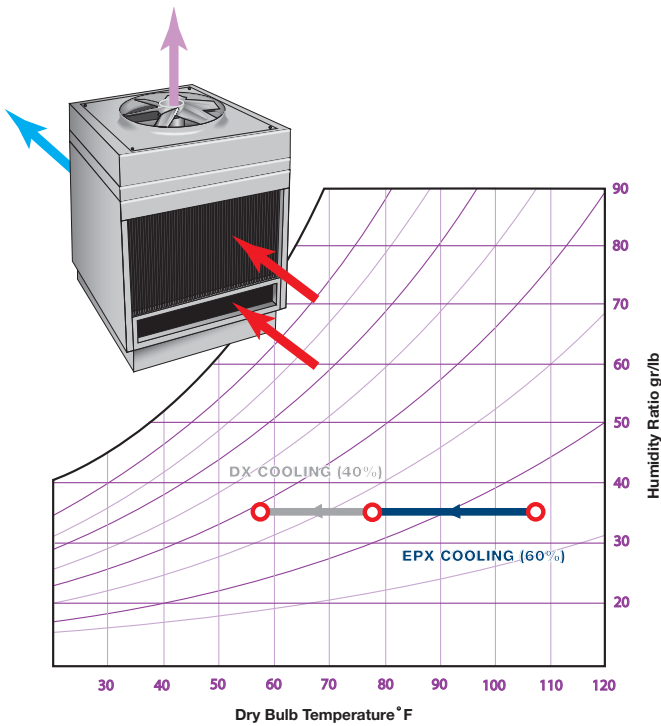
Technical Specifications

CFM	5,000	7,500	10,000	12,500	15,000
DX Tonnage	15.0	22.5	30.0	37.5	45.0
Equivalent Tonnage	26	38	51	64	77

Performance based on conditions of 110°F DB and 75°F WB.

Operating Example

Oasis™ EPX is best suited for hot, dry climates. System assists in reducing peak demand loads, which helps qualify for utility rebates.



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