

HEAT PIPE COILS



Colmac Coil heat pipe coils are designed to efficiently transfer heat from a warm air stream to a colder one. Heat pipes are constructed of a hollow tube lined with a capillary structure called a wick and a volatile refrigerant. When exposed to heat, the volatile refrigerant in the tube cycles endlessly between evaporation and condensation, effectively transferring the heat. This system has been proven to be at least 100 times more efficient in transferring heat than any solid conductor.

APPLICATIONS

- Air-to-Air Heat Recovery
- Wrap-Around (Enhanced Dehumidification with Free Reheat)
- Indirect Evaporative Cooling (IDEC)
- Hermetic Heat Rejection

ADVANTAGES

- No moving parts to maintain or replace
- Refrigerant never “wears out” or becomes fouled
- Warm and cold airstreams never mix
- Designed for HVAC or industrial process applications
- No risk of freeze damage

FEATURES AND OPTIONS

- 5/8”, 7/8”, or 1” tubes
- Extruded or plate fin construction
- Variable fin spacings
- Optional corrosion resistant coatings
- Capacities up to 120,000 cfm
- State-of-the-art selection software
- High temperature working fluids (up to 200°C)

CONFIGURATIONS



Standard



Wrap Around



Tilt Control



www.colmaccoil.com

"The Heat Transfer Experts"

North American Headquarters

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CRN



CSA

CE(PED) Certification, ASME Sec. VIII,
Canadian Registration Number, UL508, Canadian Standards Association