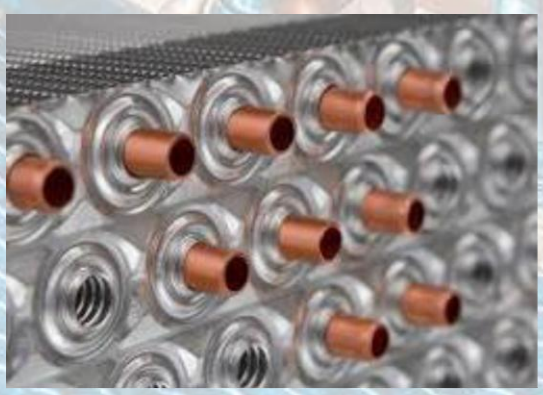
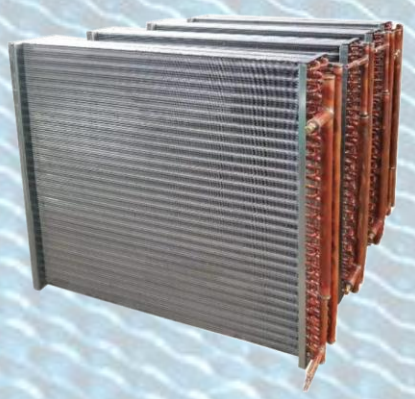
PT. Gemilang Reksa Buana

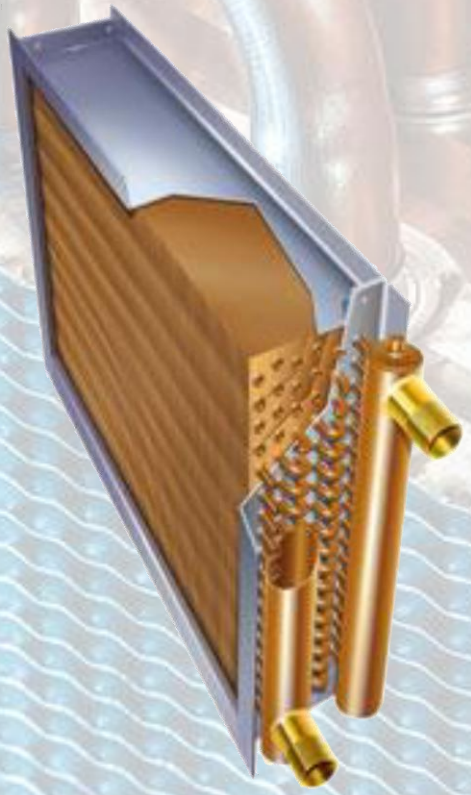
Mechanical, Electrical & Heat Transfer Engineering

winter tech

www.gemilangreksabuana.com







HVAC COILS

Air Cooled Heat Exchanger

Brief Introduction

Air Cooled Heat Exchanger (ACHE) is a heat rejection equipment where the excess process heat is rejected to the atmosphere. It works on the principle of convection and conduction to dissipate heat from process fluid to air.

Application Unit

- Condenser
- Evaporator
- Chiller
- AHU
- FCU
- Dehumidifier
- Air Coolers
- Air Heater
- After Coolers
- Gas Coolers
- Cooling Coil
- Heating Coil

Primary Surface :
Round seamless copper tubes are mechanically expanded into the fin collars of the secondary surface. The mechanical expansion provides a permanent metal-to-metal bond for efficient heat transfer. Tubes are staggered in the direction of airflow and only return bends are used – NO reduced tube wall in the bend radius by using hairpin bends.

Secondary Surface:
Corrugated plate type fin that is die-formed. Fin collars are full-drawn to provide accurate control of fin spacing and maximum contact with tubes

Fin Material Options:

- 5/8” tubes comes standard with aluminum fin 0.2 mm thick with optional (0.254). Optional copper fin thicknesses available are (0.15) (0.2) and (0.254). Fins per
- inch available 8 through 14.
- 1/2” tubes come standard with aluminum fin 0.15 mm thick with optional copper fin (0.15). fins per inch available 8 through 14.
- 3/8” tubes comes standard with aluminum fin 0.15 mm thick with optional thicknesses available. Copper fin thicknesses available start 0.15 mm
- Fins per inch available 6 through 16. Other fin types available: Lance, Sine, Flat.
- Contact us for availability of other patterns, fin materials, and/or thicknesses.

Connections:
Copper O.D. sweat interchangeable nozzle type refrigerant distributors. Standard coil has one distributor for one compressor circuit. An INTERTWINED coil has two distributors that provide full-face control using two compressor circuits. A FACE SPLIT coil has two or more distributors for multiple compressor circuits

Headers: Seamless copper with die-formed holes that provide a parallel surface to the coil tube for strong brazing joints	Casing Material Options: Galvanized steel standard with optional stainless

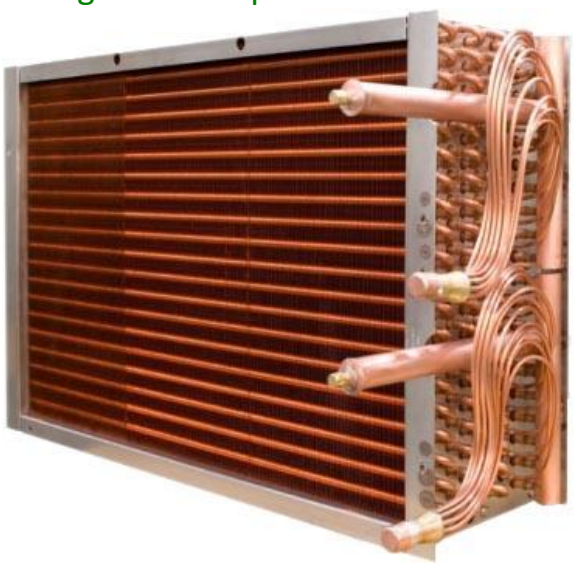
HVAC Coil Product line

Refrigerant Condenser

R-22,R407C,R134a,R404a,R410a,etc

- ✓ 3/8”, 1/2” or 5/8” copper tubes with 0.3 mm, 0.4 mm, 0.43 mm or 0.5 mm wall
- ✓ Critical fin spacing to utlize today’s new refrigerants
- ✓ DX coils available with single or multiple circuits for condensing or heat reclaim applications
- ✓ Tested and Shipped with Nitrogen

Refrigerant Evaporator



R-22,R407C,R134a,R404a,R410a,etc

- ✓ 3/8”, 1/2” or 5/8” copper tubes with 0.3 mm, 0.4 mm, 0.43 or 0.5 mm wall
- ✓ Critical fin spacing to utlize today’s new refrigerants
- ✓ DX coils available with single or multiple circuits for condensing or heat reclaim applications
- ✓ Tested and Shipped with Nitrogen

Water Coil AHU, FCU, Heating Coil & Dehumidifier

Water Coil

- ✓ 3/8”, 1/2” or 5/8” copper tubes, 5/8” O.D. tubing
- ✓ Fin spacing from 4 FPI to 22 FPI
- ✓ Standard duct flange or slip and drive Galvanized, Stainless Casing

Steam Coil / Heating coil & Dehumidifier

- ✓ Standard Steam and Steam Distributing
- ✓ Recirculating Air or Outside Air Applications
- ✓ 1/2”, 5/8” or 1” tubes with 0.63 mm, 0.88 mm or 1.24 mm wall
- ✓ Fin spacing from 4 FPI to 14 FPI
- ✓ Pitched & Non-pitched Casing Available
- ✓ Galvanized, Stainless Casing

Industrial Coils:

- ✓ Water, Steam and other mediums
- ✓ High pressure applications
- ✓ In a full range of materials including copper, brass, aluminum, stainless steel, carbon steel and 90/10 Cupro-Nickel, Plate Fin and Helical F

Features

1. OEM and Replacement Coils for Every Application
2. Cross Reference All Major Brands
3. Excellent heat transfer enables a compact device design
4. Materials can be selected according to the specifications
5. A combination type, therefore replacement of individual sections is possible
6. Combinations can be selected according to the objective, from low pressure to high pressure

Contact Information

PT. Gemilang Reksa Buana
Mechanical, Electrical & Heat Transfer Engineering

PTM 3 No. 35 Metland Transyogi
Cileungsi - Bogor 16820

021 80477095
0878 1506 0382

support@gemilangreksabuana.com
gemilangreksabuana@gmail.com

www.gemilangreksabuana.com