

Finned Tube Coils

We have recently extended our range of Finned Tube Coils to cover an ever-wider variety of heat transfer applications, in the industrial, process and building services sectors.

In particular, UK Exchangers' growing affiliation with leading Italian Coil Manufacturers has allowed us to add more high-specification equipment to our range.

Developments in Materials

We have enhanced our manufacturing and quality specifications, particularly in regard to stainless steel products – easily the most appropriate material for applications in the food and hygiene sectors, and where high temperatures are involved.

Coils can now be provided with stainless steel tubes, stainless fins, and even stainless steel frames if necessary. The inclusion of stainless steel into the material range now spearheads the current, well established family of air heating and cooling coils that are manufactured from:

Tubes: Mild steel (1/2" and larger) and copper (3/8" and 5/8")

Fins: Mild steel, copper and aluminium

Frames: Galvanised steel and aluminium

Fans

Where appropriate, UK Exchangers can supply coils with single or multiple fans, for example where the unit is acting as a stand-alone air cooler.

Main Coil Types

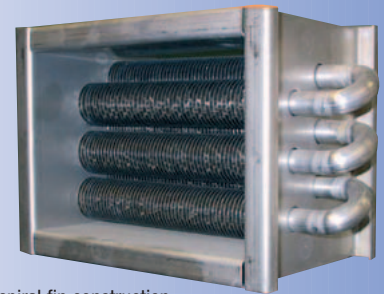
- Finned block - tubes expanded into rectangular fins
- Spiral wound - crimped fin wound along tube length
- Steam to air
- Refrigerant to air (Freon and Ammonia). *Can be supplied with electric defrost elements if required.*
- Economisers (air-to-air and heat recovery)
- Glycol solution run-around
- Oil coolers

Connections

- BSP threaded
- PN 16 flanged
- Plain tube

Typical Applications

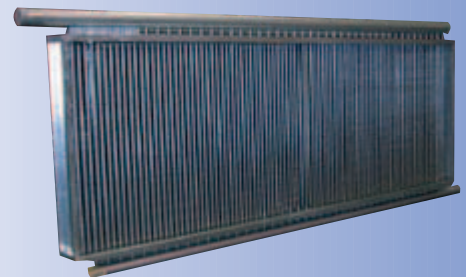
- Air conditioning
- Space heating and cooling
- Process drying
- Paint drying ovens
- Heat recovery
- Economisers
- Air cooling in food manufacture
- Solvent recovery



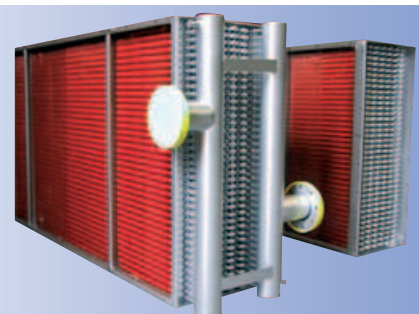
All stainless, spiral fin construction.



Fan coil unit.



All stainless, vertical tube steam coil.

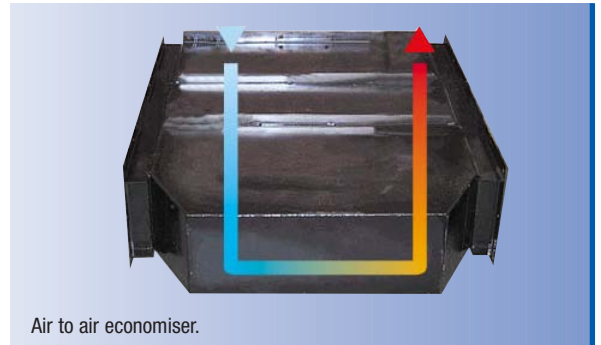


Copper fin, stainless tube, air cooler.

Air to Air Economisers

Constructed of materials such as mild steel and stainless steel, these can be installed into flue stacks to recover expensive heat that is otherwise lost to the atmosphere. The units are modular and can be stacked together in series to obtain greater amounts of heat recovery if required. One air stream passes straight through the tubes, whilst the other air/gas stream flows over and around the tubes. Heat is transferred between the two air streams.

Economisers can also be supplied using water or thermal oil flowing through the tubes, thus allowing the heat from the flue stack to be used in other process applications that require elevated temperatures.



Air to air economiser.

UK Exchangers - Expertise on Tap

The UK Exchangers team can bring many years of wide-ranging experience and technical expertise to bear on your heat transfer needs.

This is particularly true in the Coils sector, where our understanding of the manufacturing possibilities, applications and provision of products is unmatched.

These skills are yours to tap into. Whether you have a new project or replacement in mind, we're here to help.

Other Products from UK Exchangers

As well as Finned Tube Coils, UK Exchangers offer a comprehensive range of heat exchangers, designed to meet the majority of applications:-

- Gasketed Heat Exchangers
- Brazed Plate Heat Exchangers
- Shell & Tube Heat Exchangers
- Instant Hot Water Packaged Systems

In addition, we offer a complete Servicing and Spare Parts facility, including gaskets for other major makes of plate heat exchanger.

Contact

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Copper tube, aluminium fin air heater.