Thermoscreens

Thermocoil Units

The Thermocoil range offers an energy efficient solution along with high outputs while keeping noise levels to a minimum.

Specification Text / Tender Text

Coils

Coils are manufactured from copper pipes which are mechanically connected to aluminium fins. ThermoCoils are rated for a working pressure of 16 Bar, are to be unhanded, and have tail terminations at 40mm centers. This configuration provides counter-flow, meaning the water will always travel through the coil in the opposite direction of the airflow, resulting in the most efficient and cost-effective heat exchange possible in a Thermocoil unit.

Casing

Made from strong 1.2mm galvanized sheet steel, formed to be rigid and vibration-free. They are also internally lined to ensure low noise levels. The rectangular inlet and lined discharge plenum are incorporated into the casing, with the circular spigots positioned in the discharge plenum.

Filters

Designed to protect the coil and fans from small particles, the filter can be easily removed for cleaning and replacement, by undoing two screws and opening the hinged panel. The removable G2 wire frame filter is fitted as standard at the inlet of the Thermocoil and is secured at the bottom of the unit.

Spigots

The outlet spigots, made from galvanized steel, are 250mm in diameter and are fixed to the front of the unit. Unused spigots can be closed off using blanking plates. If the plates are needed in the

Fans

We only use the most energy-efficient motors available without affecting the performance of the unit. Our fans have a metal housing and impeller and can be fitted with Electronically Commuted (EC), Direct Current (DC) motors. They incorporate sealed-for-life bearings and have an extended life span due to the ‘soft start’ feature.

Insulation
Insulation is to be provided on all internal surfaces and the bottom of the condensate tray. Internal insulation is from 12mm Class “O” open-cell expanded foam for optimum acoustic and thermal performance.

Access
A one-piece removable panel allows access to all major internal components. The condensate tray is also removable to allow access to the underside of the coil.

Noise
Our fan coils have been engineered to run as quiet as possible. The internal insulation and energy-efficient fans allow the unit to run quietly. ThermoCoils have been independently tested and the sound power data is available on request.

Controls
Units can be supplied with the latest control technology to ensure your project delivers a comfortable, quiet, energy efficient and easy to maintain climate.

Basic Control Package.
With this option a single speed controller (potentiometer) is supplied to allow airflow rates to be set at commissioning stage. The unit is delivered without valves so is best suited to changeover systems, landlord/tenant systems with heat interface units or most commonly, where valves and other components are to be fitted on site.

Digital Control Package.
For digital control options, we offer EasyIO, Trend and Distech manufactured controllers with our Thermocoil range. If you have another manufacturer’s controls on site, let our sales team know as we can supply and fit most other leading brands. Should you already have a system integrator appointed to the project, Thermoscreens can
work with them to resolve any technical gaps, approve wiring schemes and factory fit their controls to reduce your time on site and make commissioning go smoother.

IF YOU ARE LOOKING FOR MORE INFORMATION YOU CAN ASK OUR DEDICATED TEAM OR DOWNLOAD OUR BROCHURE AND MANUAL.

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