



Heat Exchanger Coils

WHAT IS A HEAT EXCHANGER COIL?

A heat exchanger coil is a device used to transfer heat from one fluid (liquid or gas) to another fluid, without the fluids coming into direct contact with each other.

It consists of a series of coils or tubes through which one fluid flows while another fluid passes around the outside of the coils.

APPLICATION

- Boiler systems
- Heat pumps
- Hot & cold water pipelines
- Air fin coolers
- Air dryer
- Heat exchanger
- Cooling Systems

AVAILABLE IN:

- Bulk
- Components
- Complete Heat Exchanger
 - Tailor made coil with frame
 - Easy assembly

BESPOKE

Heat exchanger coils are specifically designed to your requirements.

With over 60 years of experience producing corrugated stainless-steel tubing and fittings for blue chip companies we are able to provide a wealth of support to meet our customer's needs.



COMPLETE SYSTEM | EASY ASSEMBLY | COST EFFECTIVE

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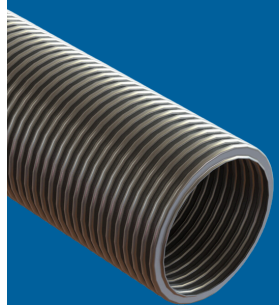
CONSTRUCTION

Unlike other heat exchanger manufacturers, we offer two corrugation options:

ANNULAR COILS

Circumferential corrugations form a complete valley around the tube which vastly increases the surface area and therefore aids heat transfer.

This is the most common construction seen in the marketplace.



SPIRAL COILS

Helical corrugations form a continuous spiral down the length of the tube. Like the Annular coils the surface area is increased.

In addition, the curvature of helical tubes induces centrifugal forces, leading to secondary flows perpendicular to the main flow direction. These secondary flows improve the mixing of fluid layers and increase the overall heat transfer coefficient. This allows for a more efficient process in some applications.



STAINLESS STEEL OPTIONS

Our flexible approach allows us to offer a wide range of material options. The most common ones are:

316L Stainless Steel

- ✓ Corrosion Resistance
- ✓ Durability
- ✓ Suitable for exposure to water and moisture
- ✓ Superior choice for high corrosion and high temperature applications

321 Stainless Steel

- ✓ Lower nickel content
- ✓ Cost-effective option
- ✓ Good corrosion resistance
- ✓ High-temperature capabilities

304 Stainless Steel

- ✓ Corrosion Resistance
304LNi like the 321 and 316 grades have various alloying components added to increase corrosion resistance



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