

LONG-LASTING EFFICIENCY

As a critical component of thermal fluid heating systems, tank coils play a crucial role in the **heating, cooling, and temperature regulation of stored material.**

Because tank maintenance is a time-consuming and challenging task, tank coils must be designed for durability, reliability, and efficiency. With the use of seamless pipe and solid helically wound fins, our tank coils are built for peak performance and longevity.



CUSTOMIZATION TO FIT YOUR PROCESS

At Enerquip, we build tank heating and cooling coils to meet your exact thermal requirements—no waste, no unnecessary cost. Whether you're working with steam, thermal oil, or water, our coils are engineered for dependable performance.

Need a coil for an existing tank manway or a specialty vessel with vertical or horizontal installation? Our engineers will work with you to design a custom solution that fits your specs—and exceeds your expectations.

Coil Types

- Helically wound finned pipe
- Longitudinal finned pipe
- Bare pipe
- Spiral bare pipe

Compatible Mediums

- Thermal oil
- Steam
- Hot or cold water

Materials of Construction

- Schedule 40 or 80 carbon steel
- 316L stainless steel and other high alloys



FINNED VS. BARE PIPE COILS

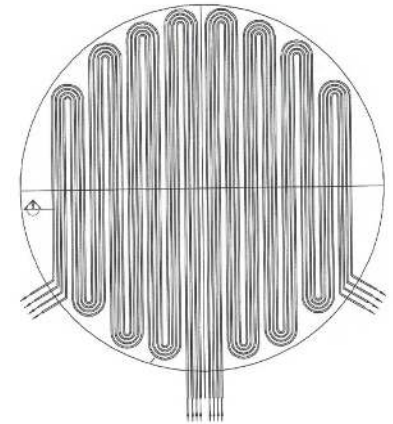
When deciding between bare pipe and finned coils, several factors should be considered, including the product to be heated, fouling potential, heat load, ambient temperature, personal preference, and budget. Our team is here to guide you in selecting the best coil for your needs.

Advantages of Bare Pipe Tank Coils:

- Ideal for highly viscous products, especially where fouling is a concern
- Stainless steel bare coils are well-suited for sanitary applications in the food, beverage, and pharmaceutical industries
- For lighter thermal duties, bare pipe coils are often a more cost-effective solution



Bare pipe for sanitary or viscous products.



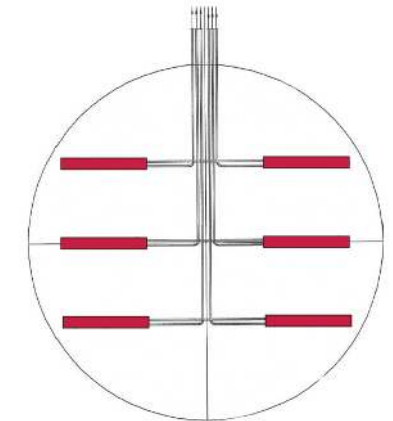
Bare Pipe Tank Design

Advantages of Finned Tank Coils:

- Up to 12x more surface area and heat transfer than bare pipe
- Greater efficiency means less pipe is needed, reducing installation time and material costs
- Best for larger thermal duties, where enhanced performance provides the most value



Helically wound fins for horizontal installation.



Finned Pipe Tank Design

Installation Orientation:

Both helically wound and longitudinal finned coils offer excellent heat transfer and efficiency. The difference lies in installation orientation, driven by product behavior, flow characteristics, and coking potential:

- Helically wound coils are best for horizontal installations
- Longitudinal finned coils are preferred for vertical installations



Longitudinal fins for vertical installation.

Want more? Enerquip also designs and builds heat exchangers, industrial heaters, and more. See for yourself why our quality and service are trusted across the industry—visit www.enerquip.com.