

BROWN FINTUBE® Horizontal Tank Heating Coils

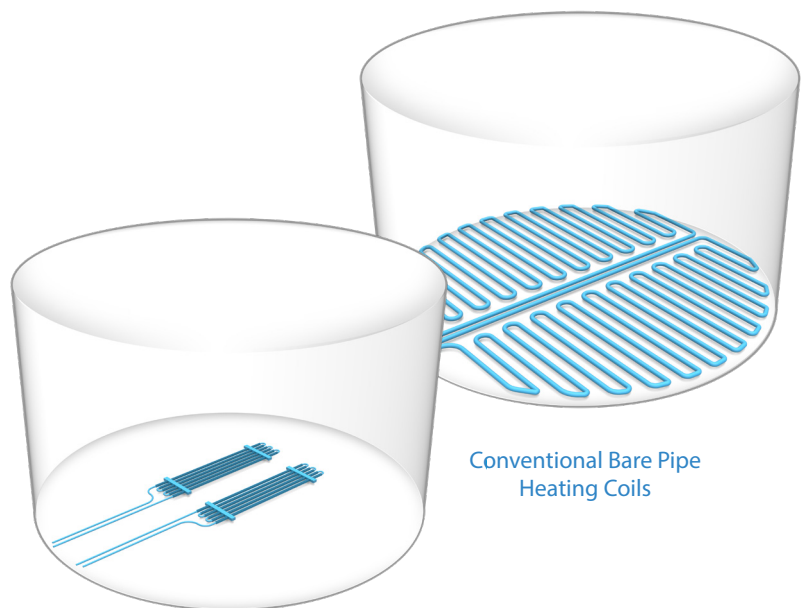
Some of the most critical downstream operations require heating of tank contents, and the equipment used is just as important. Selecting the right method for your particular needs, and ensuring high quality and reliable performance for your investment, are integral to your success. At Metalforms Heat Transfer, we specialize in the design and fabrication of fin-based heating coils that reduce costs in capital, installation, and operation-along with maintenance, cleaning, and inspection-while mitigating fouling potential and distributing heat more efficiently.

By incorporating industry-trusted BROWN FINTUBE® technology that utilizes extended fin surfaces on heating coils, along with our exceptional expertise, we can customize a tank-heating solution that delivers cost-svaing value and lasting results.

BETTER HEATING, BETTER SAVINGS

Benefits

- Smaller footprint
- Fewer welds
- Less product displacement
- Lower skin temperature
- Promotion of convective currents
- Ease of maintenance, inspection, cleaning, and installation
- More economical operation than bare pipe methods
- Design that accomodates existing tank 19" manways
- Reduced coking

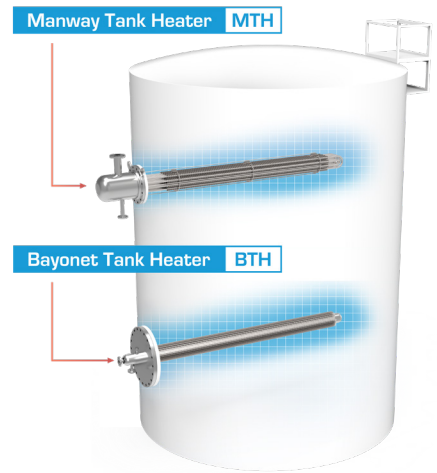
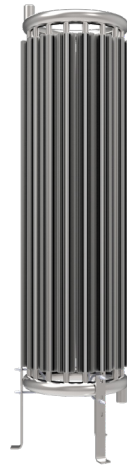
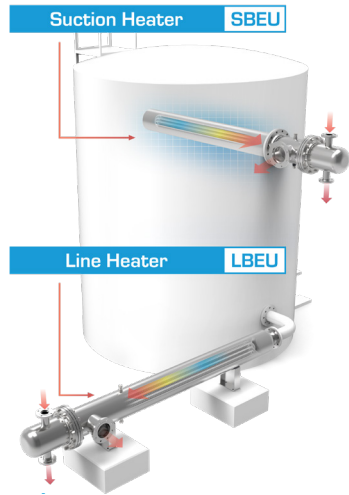


Conventional Bare Pipe Heating Coils

BROWN FINTUBE®
Tank Heating Coils

CHOOSE THE RIGHT FIT

Metalforms Heat Transfer's skilled and experienced engineering team partners with you to assess the specs and benefits of each type of finned heating coil, to help you make the best selection. Our extensive inventory is available from stock, or can be custom-designed to your specs including supports, length, fin type, and more.



Intermittent

Suction / Line Heaters

- Heating fluid only as it exits the tank, saving valuable energy

Internal

Horizontal Heaters

- Allow for lower liquid levels in tanks
- Models utilizing steam are sloped for condensate drainage
- Additional models are available for other heating mediums

Vertical Heaters

- Minimize tank floor space coverage
- Generate convective Thermosiphone currents in the tank
- Can be lowered and piped from the roof

Stab-In

Bayonet Heaters / Manway Heaters

- Eliminate process piping inside the tank
- Full tank drainage is not required to remove the heater

Applications

Metalforms Heat Transfer's BROWN FINTUBE® tank heating coils are ideal options for applications encompassing crude oil, fuel oil, asphalt, lube oil, and sulfur. Whatever your application or choice of heater, you'll enjoy numerous advantages and benefits that have been consistently demonstrated in the field for decades.

| STORAGE FLUID/ ADVANTAGES | Internal Heaters | | | Stab-in Heaters | | Intermittent Heaters | |
|------------------------------|------------------|-----|----|-----------------|-----|----------------------|------|
| | HL | HEL | TF | BTH | MTH | SBEU | LBEU |
| Asphalt | ● | ● | | | ● | ● | ● |
| Polymerized Asphalt | | ● | | | | ● | ● |
| Asphalt Emulsion | | | ● | | | | |
| Fuel Oil | ● | ● | | | | ● | ● |
| Sulfur | | ● | ● | | | ● | |
| Lubricants | ● | | | ● | | ● | ● |
| Crude Oil | ● | ● | | ● | ● | ● | ● |
| Caustic | ● | | ● | ● | | | |

Suggestions based on common historical applications. Selection may vary with conditions.

LEARN MORE TODAY

Contact us today to find out how our engineer partners can optimize your heat transfer solutions. Visit metalformsheattransfer.com

