

Thermal fluid heaters

Technology
for a
Sustainable Future

These heaters use a liquid medium to transfer heat energy into a process through a closed loop system. Using thermal oils or glycols means higher operating temperatures can be achieved more safely than is practical with steam systems. This makes thermal heaters easier than common steam systems to operate and maintain.

Our engineers have decades of experience in the design and operation of thermal fluid heaters and heating systems and offer a standard range of single coil, twin coil, horizontal and vertical coil designs.

ERG also designs and supplies thermal fluid systems and subloops for accurate temperature control of specific process applications.

Thermal fluid heaters are used in a very wide variety of process and industrial heating applications and have the following benefits over steam or water systems.

- Standard operating temperatures up to 345°C
- Non-pressurised systems
- Lower carbon footprint
- No freezing, or heat tracing
- No corrosion
- Enclosed system
- No water treatment required

Fired Units

- Outputs from 230kW to 10 MW
- High thermal efficiency up to 88% of LHV
- Suitable for a wide range of fluids
- Low heat flux rates and long fluid life
- All coils conform to API RP 530
- Fuels - heavy, light and diesel oil, natural gas and LPG in any combination

Electrical Units

- Outputs from 10 kW to 100 kW
- Tight temperature control

