



THERMAL PROCESS DEVELOPMENT

Glycol Heating

Thermal Process Development glycol heating systems have some of the highest efficiency with maximum heat transfer and lowest stack temperatures available. All of our heaters offer high heat transfer surface areas without the need for economizers or air preheaters.

The best layout for any thermal fluid is a dual helical coil layout; this style of heater provides the longest lasting fluid life, lowest equipment maintenance and smallest footprint. A dual helical design has an inner and outer thermal fluid coil which can be in series or parallel flow and has two fluid passes through the hot flue gases. The dual helical glycol heater design is the Thermal Process Development standard.

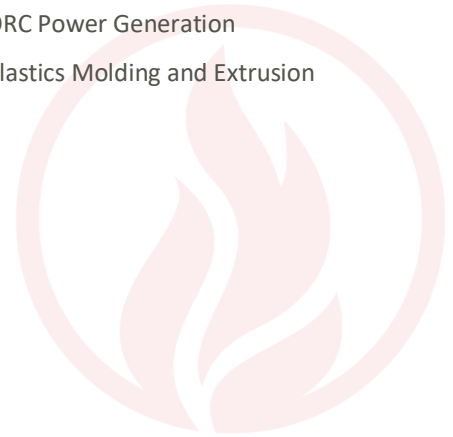
Thermal Process Development also designs with the lowest pressure drop allowable to lower the maintenance needs of the glycol heater and the thermal fluid pumps.

Heating glycol in a hot oil heater is becoming standard in many industries such as manufacturing processes, reactor heating, tank heating, gas processing, building heating and liquid and gas reheating. Depending on the type of glycol, it can be heated up to 300°F under the right design. Using glycol for process heating has many benefits including being able heat glycol to high temperatures at low pressures and provides other advantages of not needing chemical treatments like a boiler and having to deal with condensate and steam. natural gas. Amine reboilers need to be kept at a constant temperature to avoid overheating and degrading the amine. A thermal fluid heater is ideal for this use because it can easily provide this constant temperature to the boiler.



APPLICATIONS

- Glycol Heating
- Chemical Reactor Heating
- Amine Reboilers
- Process Heating
- Cooking and Frying
- Platen Heating
- ORC Power Generation
- Plastics Molding and Extrusion



Contact Us

If you need design support, engineering or equipment for any kind of reciprocating grate or thermal fluid heater please call us or send an email. Let us know how we can support your plant.

770.203.2772 | sales@thermalpd.com
5665 Atlanta Hwy. Suite102B-225
Alpharetta, GA 30004

