

EXOTHERM

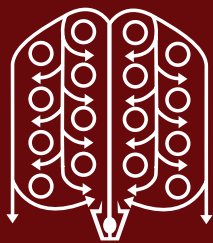
Forced Draft Water Bath Heaters



EXOTHERM CORP.
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EXOTHERM

Water Bath Indirect Heaters



DESIGN FEATURES

- **Compact Design** – Utilizing Forced Draft Burner Technology (Smaller Fire Tubes)
- **Safe Operation** - NFPA Compliant Burner Management System. FM, UL, CSA, SIL Compliance
- **Custom Features** – Exotherm has the experience and expertise to meet unique customer specifications
- **Designed Per API-12K, ASME Section VIII or ANSI B31.1 Code**
- **Process Temperature up to 190 F.**
- **Process Fluid Pressures up to 10,000 PSI.**
- **Removable Fire Tube and Process Coils**

OPERATIONS

The process coils and the fire tubes are immersed in a water or liquid bath. As the unit is fired, heat is transferred from the fire tube to the liquid bath and then to the process fluid. This indirect method of heating provides safe, uniform, and regulated heating of the process fluid.

Although the heater shell operates at atmospheric pressure, the process flow coils are designed to handle working pressures up to 10,000 psi.

Fast response in heat output from the fire tube meets the heating requirement of the process fluid without any baffling that to restrict heat flow. Typical process outlet temperatures up to 190°F.

The forced draft burner firing rate is controlled by a PID loop control signal. This signal manipulates the burner firing rate based on the temperature feedback signal from a temperature element installed in the heater bath. See also our steam bath heaters available.

APPLICATIONS

Applications that require lower flux rates to prevent fluid damage or coking are ideal for Exotherm forced draft water bath heaters. Exotherm offers a safer and more compact heater with our unique forced draft design that incorporating smaller fire tubes.

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