



# **HYDROFLUX HEATER LINE**



# / HYDROFLUX HEATERS

**FROM 0.25- 30 MMBTU/HR**  
(0.06-7.56 GCAL/HR)

The THM HydroFlux heater line is the high quality solution for customers that desire more than an "off the shelf" product. The HydroFlux line, similar to our other heaters, are custom engineered for your specific application using a set of pre-designed models as the base, and include both indirect fired (with a coil) and direct fired (without a coil) options. Each project is assigned a Project Manager to ensure all customer specifications and project requirements are adhered to.

Hydroflux heaters (also known as "bath heaters") have been used in gas plants, pipelines, power plants, and other applications. Typical services for HydroFlux Indirect Fired (IF) heaters include:

- Line heater
- Crude oil heater
- Fuel gas heating
- Gas vaporization
- Gas dew point heating
- Condensate stabilizing

Common bath mediums include:

- Water
- Water/glycol
- Hot oil



THM utilizes API 12K as a guiding design standard for most applications. These guidelines have been used for industrial heater applications for more than 40 years and ensure the heater is designed to meet the latest industry standards.



THM offers a variety of burner options for the HydroFlux heaters, including both natural and forced draft burners. We also have a selection of burners that help you meet your emissions requirements, whether that means ultra low NOx or standard emissions levels.



The HydroFlux IF (indirect fired) heaters include a custom designed process coil to meet your heater and hydraulic needs. This process coil can be designed to be fully removable if desired. Process coils can also be made using various metallurgies based on your specific project.

## MODULAR SOLUTIONS

Using modular skid designs help to minimize field erection time and labor. The size and weight of each skid will be maximized (up to the purchaser's shipping constraints) to minimize the quantity of skids. Each skid also has lifting lugs suitable for safe handling and erection. THM's standard practice is to maximize shop fabrication and assembly. This practice consistently yields the lowest installed cost to the owner for all types of heaters.



# / HYDROFLUX DIRECT FIRED (DF) HEATER



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Similar to our HydroFlux IF, the DF (or Direct Fired) model does not contain the process coil, and is used to heat fluids directly. This model is used regularly in applications such as amine or glycol (TEG) reboilers, along with asphalt or tank heating.



Weir design and level controls to ensure that the firetube never goes dry.



Natural draft and forced draft options available depending on project needs.



Options available to meet all customer and project specifications.

## WHAT ARE PEOPLE SAYING?

*"Tulsa Heaters Midstream helps us deliver value to our customers by providing high quality packages at a competitive price. Their team is very responsive and their projects have been on time, which is critically important to my company and our customers."*

- Process Engineer

## / CMS SKID PACKAGE

With inlet piping from 1" to 4" NPS, THM has a Combustion Management System package to handle all heat releases in the HydroFlux heater range.



BMS package is rack mounted for quick and easy installation. In most cases, the skid is attached to the heater prior to shipment.



Standard packages available, with options to meet customer and project specifications.



Pre-commissioning and start-up assistance available for all projects to ensure that your project has a successful start.



Gas and oil firing options available



## TRAINING:

Tulsa Heaters Midstream offers several opportunities for training. Each year, we offer a Heater School for owners and operators at our facility in Tulsa, OK. Additional on-site training is available upon request.



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