



# Turbocoil HYT®

## High Temperature Industrial Thermal Fluid Heater

### DESCRIPTION

The General Combustion Turbocoil, Twin-coil HYT Heaters are designed for industrial process applications. The twin, close-wound helical coils take advantage of a combination of U.S. and European thermal fluid technology.

The HYT heaters are suitable for use with a wide range of thermal fluids. The compact twin-coil design makes the HYT heater the ideal choice where space is limited. Units are available in models from 3 million through 50 million BTU/hr, and are adaptable for use with either natural gas, LP gas, or most commercial grades of fuel oil.

Its substantial design protects it from the rigors of process industry applications. In addition, the internal use of ceramic fiber blanket in place of cast refractory greatly reduces weight and the expense of maintaining the castable, important factors on portable units. The General Combustion HYT high temperature thermal fluid heater is among the most efficient available anywhere.

### SPECIFICATIONS

The Turbocoil HYT thermal fluid heater is capable of using natural gas, LP gas, or commercial grades of fuel, oil methane, or waste oil.



### Duty Range

- 3 million BTU/hr through 50 million BTU/hr
- Hot thermal fluid temperatures to 700° F

### Typical Thermal Efficiency

- No.2 Oil; 87% (LHV)
- Natural Gas: 85% (LHV)

### APPLICATION

- High temperature applications
- Highest efficiency available
- Safe, low-pressure operation
- Compact package construction for easy installation
- Annunciated control panel for greater serviceability
- Large combustion zone for even heat transfer and longer thermal fluid life
- Suitable for indoor and outdoor installation
- Factory fire tested

### STANDARD FEATURES

- Annunciated control panel
- Staged temperature controller
- Oil temperature limit control
- Stack temperature limit control
- Oil flow switch
- Pump Motor Control
- Oil temperature gauges
- Expansion tank
- Low thermal fluid level cut-off
- Thermal fluid filter ("Y" strainer)
- Fill and unloading valving
- Multi-layered insulation
- Single-source power
- Skid mounted
- UL listed burner
- Five-year coil warranty
- Fully modulated burner



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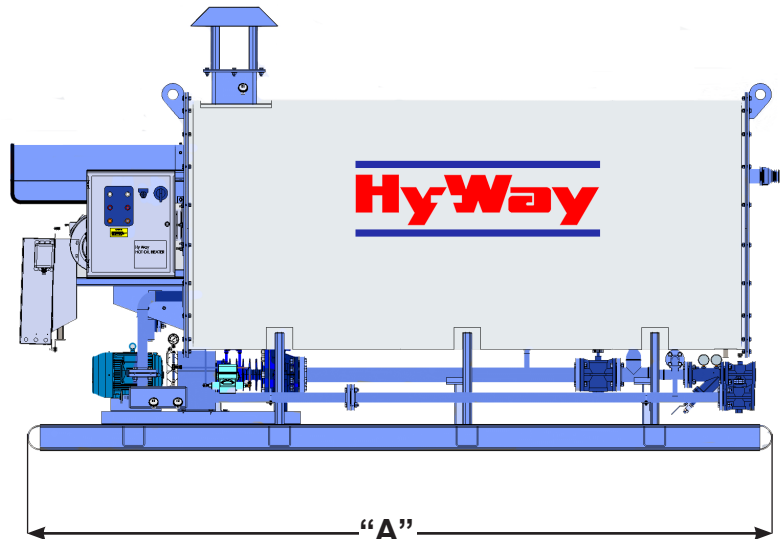
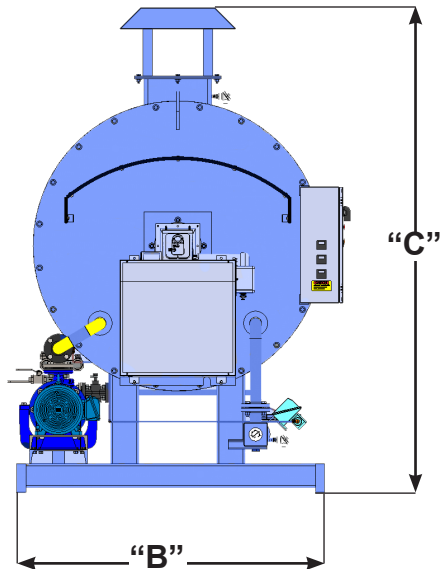
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# TURBOCOIL HYT SERIES HEATER

## OPTIONS

- API seventh edition pumps
- ASME stamped heater coil
- Duplex pumping units
- Stack extension

- Combination pumping units
- Expansion tank blanketing system
- IRI, FM, CSA, or CGA fuel trains



MODEL	INPUT MILLION BTU/HR	OUTPUT MILLION BTU/HR	HEAT TRANSFER SURFACE (sq. ft.)	MAXIMUM FUEL INPUT		CIRCULATING PUMP		DIMENSIONS			SHIPPING WEIGHT (lbs.)
				OIL (g p h)	GAS (c f h)	GPM	HP	A	B	C	
HYT-340	3,000,000	2,800,000	411	24	3,400	200	20	11'	7'	8'	14,300
HYT-500	5,000,000	4,100,000	606	35	5,000	300	30	12'	8'	9'	15,500
HYT-750	7,500,000	6,200,000	915	53	7,500	400	30	13'	9'	10'	19,800
HYT-1000	10,000,000	8,200,000	1,194	71	10,000	500	40	15'	10'	11'	22,100
HYT-1500	15,000,000	12,300,000	1,668	107	15,000	600	50	17'	11'	12'	24,200
HYT-2500	25,000,000	20,500,000	2,840	178	25,000	800	60	21'	13'	14'	56,200
HYT-3000	30,000,000	24,600,000	3,468	214	30,000	1,000	75	23'	14'	15'	68,900

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