

Turbocoil HYTGO®

Thermal Fluid Heater

DESCRIPTION

The Turbocoil HY is an economical thermal fluid heater incorporating a high efficiency, close-wound, helical coil design. With many innovative design features of much larger General Combustion systems.

The unique coil design of the HY Heater results in skin and stack temperature being much cooler than competitive units and without the maintenance problems associated with internal blanket or castable refractory insulation. Because the helical design provides higher velocity flow through the coil, the safe and effective use of lighter thermal fluids with low flash points can be utilized.

Packaged and skid mounted for easy installation, the Turbocoil HY heater is the perfect combination of efficiency, economy and reliability.

SPECIFICATIONS

The Turbocoil HY Heater is standard with a combination natural gas / No. 2 fuel oil burner.

Duty Range

- 1,000,000 (1 Million) - 2,000,000 (2 Million) BTU/ HR.
- Temperatures to 400° F.



STANDARD FEATURES

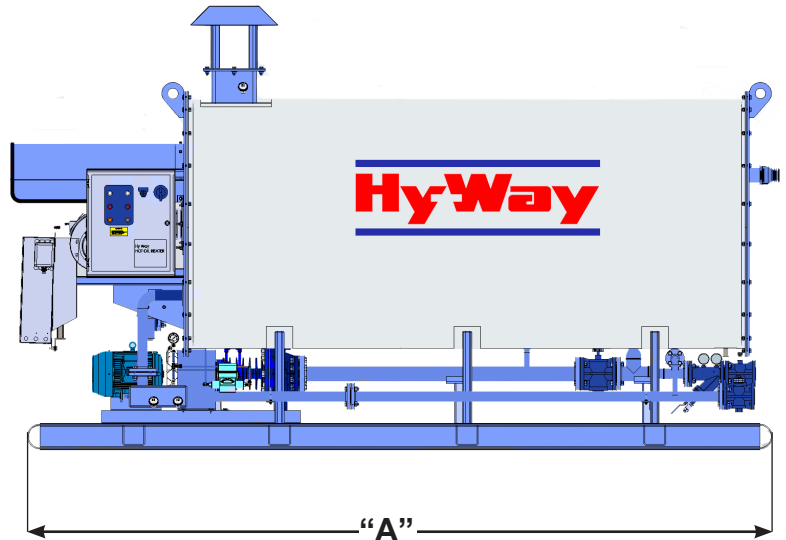
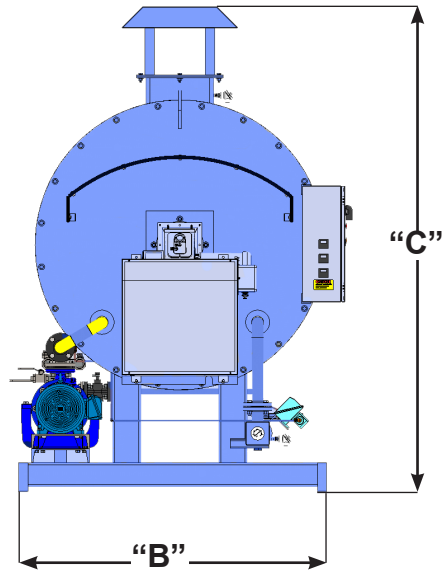
- Annunciated Control panel
- Adjustable differential temperature control
- Thermal fluid temperature limit
- Stack temperature limit
- E-Z fill thermal fluid system
- Thermal fluid temperature gauges
- Low thermal fluid safety cutoff
- Pump motor control
- Remote expansion tank
- Fully insulated
- Thermal Fluid filter ("Y" strainer)
- Skid mounted
- Single source power
- U.L. listed burner

ADVANTAGES

- Economical operation *high thermal efficiency)
- Compact package construction for easy installation
- Suitable for indoor and outdoor installations
- Removable coil and front head plate
- Large combustion zone for even heat transfer and longer thermal fluid life
- Safe, low pressure operation
- Quiet, drip-free mechanical sealed pump
- High GPM centrifugal pump
- Automatic air elimination system
- System safeties and interlocks included
- Factory fire tested



TURBOCOIL HY HEATER



| MODEL | INPUT BTU/HR | OUTPUT BTU/HR | HEAT TRANSFER SURFACE (sq. ft.) | MAXIMUM FUEL INPUT | | CIRCULATING PUMP | | SYSTEM PRESSURE (p s i) | HEAT EXCHANGE OIL (gal.) | DIMENSIONS | | | SHIPPING WEIGHT (lbs.) | SHIPPING CUBE (cu. ft.) |
|----------------|-----------------|------------------|--|-----------------------|--------------|---------------------|-------|-------------------------------|-----------------------------------|------------|------|------|------------------------------|-------------------------------|
| | | | | OIL (GPH) | GAS (CFH) | GPM | HP | | | A | B | C | | |
| HYC-100 | 1,000,000 | 820,000 | 155 | 7 | 1,000 | 90 | 5 | 20 | 41 | 9'6" | 5'4" | 7'7" | 3,765 | 384 |
| HYC-200 | 2,000,000 | 1,640,000 | 310 | 14 | 2,000 | 120 | 7 1/2 | 25 | 84 | 14'0" | 5'4" | 7'7" | 5,490 | 560 |
| HYF-100 | 1,000,000 | 820,000 | 155 | 7 | 1,000 | 150 | 7 1/2 | 20 | 46 | 9'6" | 5'4" | 7'7" | 3,915 | 384 |
| HYF-200 | 2,000,000 | 1,640,000 | 310 | 14 | 2,000 | 180 | 10 | 25 | 89 | 14'0" | 5'4" | 7'7" | 5,640 | 560 |

Specifications subject to change without notice.
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GENERAL COMBUSTION CORPORATION

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