

Cast Circulation Heating



HC Thermal cast circulation heaters provide a powerful package of heat that isolates the process fluid from the heating elements, which is needed for a variety of demanding applications. To address these challenges, we introduced two variations to the market the Cast Bronze Heater (CBH) and the Cast Aluminum Heater (CAH). Designed and manufactured by HC Thermal, these heaters are robust with cost effective benefits that are ideal for high alloy or corrosive applications. These units are smaller than comparable circulation heaters and have standard designs/options up to 75kW and 600 volts. Cast circulation heaters are a compact, rugged solution that will maximize heat transfer and provide a long life, cost savings package that exceeds your standards.



Advantages

- Smaller footprint than conventional designs
- ANSI flange connections available
- Ideal for on/offshore applications
- Spare heater elements (option)
- Multiple Type K sensors standard (RTD optional)
- Pedestal or tabs for variable mounting options
- Suitable for high pressure
- Meets or exceeds industry standards/certifications
- Up to 75 kW applications
- 480 Volts standard - 600 Volts option
- Bronze for higher operating temperatures
- Maximum efficiency when paired with HC Thermal control system
- High thermal efficiency
- Isolated process tubing from heating elements
- Explosion proof terminal housing options



Applications

- On/Offshore
- Oil & Gas
- Food/Beverage
- R&D Labs
- Power Gen
- Seal Gas
- Gas Processing
- Mud Logging
- Material Testing
- Low Flow
- Slurry Applications
- Rocket and Jet Fuel Test Stands
- Cryogenic Gas Vaporization
- High Pressure Applications
- Carrier Gas

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Application Worksheet

Process Conditions

Application:

Fluid:	Flow Rate:	Inlet Temp:	Outlet Temp:
Inlet PSIG:	Design PSIG:	Design Temp:	Corrosion:
Volts/Phase:	kW:	Circuit: #	Sensor Type:

Housing Detail:

Area Classification/T Code:

Power Conduit Size/Qty:

Insulation Requirements:	Piping Connection Type (Inlet/Outlet):
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Additional Notes:

Customer Information

Company:	Name:
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Email:	Phone:
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Location:



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