

HEATEC® HCM MARINE HEATER THERMAL FLUID HEATERS



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When reliable cargo heating is critical, Astec's Heatec HCM thermal fluid heaters deliver the performance, efficiency, and durability marine operators depend on. Designed specifically for barges and workboats, these heaters provide a proven solution for heating asphalt, heavy fuel oil, sulphur, phosphates, and other temperature-sensitive cargoes.

All Heatec HCM heaters meet U.S. Coast Guard specifications and can be ABS-certified upon request.



PROVEN HEATING PERFORMANCE

At the core of the Heatec HCM heater is a high-surface-area helical coil designed to operate at lower heat flux rates. This reduces stress on the coil and thermal fluid, extending service life and minimizing downtime. The result is years of dependable operation with fewer maintenance concerns—especially important when access is difficult or costly.



HIGHER EFFICIENCY, LOWER FUEL COSTS

Fuel is one of the largest operating expenses in marine heating. Heatec HCM heaters are engineered to maximize thermal efficiency—up to 85%, or 87% with an optional economizer—helping operators significantly reduce fuel consumption and operating costs year after year.

Higher efficiency means:

- » Less fuel burned
- » Lower annual operating expenses
- » Faster return on investment
- » Across a fleet, the savings can be substantial.



DESIGNED AROUND YOUR VESSEL

Whether for a new build or a retrofit, Heatec HCM heaters are configured to fit your vessel—not the other way around. Units can be customized to match existing footprints, piping connections, and fuel systems, often allowing direct replacement of older heaters without modification.

Standard sizes start at 3 million BTU/Hr up to 12 million. Custom sizes are available upon request.



BUILT FOR LIFE ON THE WATER

Marine environments are unforgiving. Heatec HCM heaters are built to thrive in constant vibration, heavy seas, and harsh weather. Their rugged construction and compact footprint allow installation above deck—even where space is limited—without sacrificing durability or performance.

FLEXIBLE FUEL

Heatec HCM heaters are designed for marine diesel fuel and can be configured to operate on other fuels, including heavy fuel oil, propane, or natural gas.

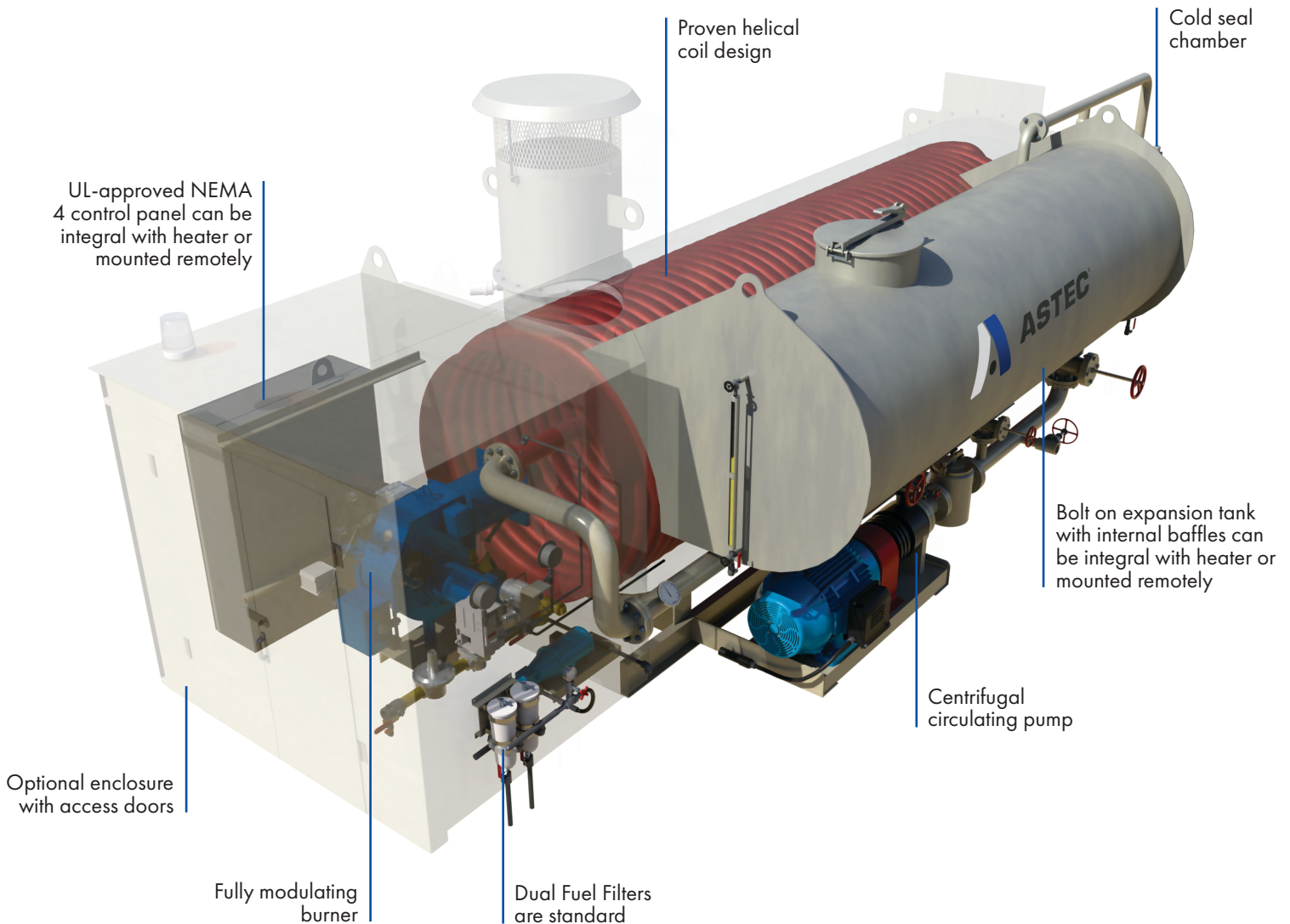
CUSTOM MARINE HEATING SOLUTIONS

Astec also offers marine heaters in multiple configurations with outputs ranging from 1 to 20 million Btu/hr, available in two-pass and three-pass designs. All units can be customized to meet specific vessel requirements.

SIMPLE OPERATION, BUILT-IN PROTECTION

Fully prewired control systems automatically maintain precise operating temperatures with $\pm 0.5\%$ accuracy, ensuring consistent cargo heating without constant operator attention. Multiple safety interlocks continuously monitor heater operation and initiate automatic shutdown if abnormal conditions are detected—protecting both crew and equipment.

Sealed NEMA 4 rated control panels provide dependable operation in wet, washdown, and offshore conditions.



PARTS, SERVICE, AND SUPPORT

Heatec HCM heaters are designed for ease of maintenance with accessible components and commonly available parts. A dedicated parts warehouse supports rapid shipment—often within one day. Worldwide startup and warranty service is available through Astec's service team.

WARRANTY

- » **Heater:** One-year limited warranty
- » **Helical coil:** Five-year warranty



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