

HEATEC BULLETIN

Product news from Heatec Inc., an Astec Company 5200 Wilson Road, Chattanooga, TN 37410 Phones 423-821-5200 800-235-5200 www.Heatec.com

New heater breaks price barriers Savings up to \$25,000

Heatec has introduced a new thermal fluid heater for industrial use. It breaks price barriers without sacrificing reliability or build quality. Savings range up to \$25,000 for some models.

How did we do it? We did it by using standardized designs and production efficiencies we perfected over decades for our heaters used in the hot mix asphalt industry.

The heater is built to high quality standards just like our heaters used at thousands of asphalt plants all over the USA. (Actually many features of our asphalt heaters originated from industrial heaters we have produced over the years.)

Our new heater is a 2-pass heater with high thermal efficiency. It is available in 3 models: HI-100, HI-200 and HI-300. Outputs are 1, 2 or 3 million Btu/hour. All models are rated for thermal fluid temperatures up to 650 degrees F with operating pressures up to 125 psi. All use a Power Flame burner.

Each heater has a helical coil that meets ASME code and has an unmatched warranty. Its steel shell is 1/4-inch thick and has 3 inches of insulation. Bulkheads have 5 inches of insulation.

The heater control panel is UL approved. It meets NEMA 4 standards for protection against windblown dust and rain, splashing water and hose-directed water. It incorporates Yokogawa temperature controls and Fireye flame monitor. And there is much more.

This new industrial heater has numerous advantages:

- You get very significant cost savings
- You get fast delivery times
- Its forerunners have a track record of proven reliability
- Our purchased components are trusted brands



The heater has a helical coil made and tested at our factory. It meets ASME code and has a warranty based on thermal fluid operating temperatures: 1 year for 650 degrees F; 2 years for 550 degrees F; or 3 years for 450 degrees F. The coil is protected by a pressure differential switch shown on the side of the heater. It shuts down the burner in the event of a problem that causes abnormally low flow through the coil.

Although we use mostly standard, off-the-shelf components you still have several important options:

- Either oil, gas or combination burner
- Paint types and colors (Our standard colors are ivory, brown and industrial gray)
- Seal welding of structure
- Type and brand of circulation pump (Our standard pumps are Dean and Sihi)
- ASME code expansion tank

Some customers ask for particular components or features because a member of their organization favors them. Unfortunately, accommodating these requests can result in a very specialized (and more expensive) heater. Slower delivery times may also result. Sometimes these specialized components are necessary. Many times, they aren't.

So, ask yourself if special requirements are more important than significant savings you gain from our standard heater that performs equally well.

Do you still need a specialized-heater unlike our new model? No problem. We can meet those requirements too. We've been doing it for decades. But, we think you'll be surprised at how well our new heater can satisfy your needs "right out of the box."



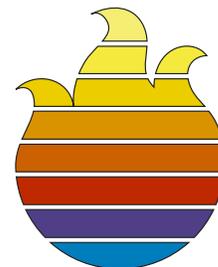
The heater is built with fixtures to ensure optimum alignment and fit-up without the need for time-consuming hand-fitted parts. It's painted in our modern paint booth, assuring better appearance and a more durable finish. The heater can be fitted with an expansion tank on top of the heater shell or mounted remotely for extra height.



The heater control panel provides protection against water and dust. The Fireeye Flame monitor inside the panel is visible through the glass window. Both the modulating controller and a high media temperature controller are Yokogawa, 1/16 DIN. A laminated wiring diagram is provided inside the panel.



Dean and Sihi centrifugal pumps are standard for our heater. The one shown here is a Dean pump with mechanical seals.



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