

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 booster heater cuts fuel costs, gains space

Volunteer Asphalt in Knoxville, Tennessee uses a new Heatec booster heater to boost the temperature of asphalt in a 200,000



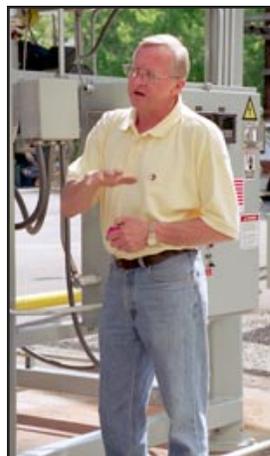
Heatec 5 million Btu/hour helical coil heater
Publication 6-01-069

gallon storage tank. The new Heatec heater has an output of 5 million Btu/hour. It replaces their old booster heater that had an output of 16.5 million Btu and uses significantly less fuel.

The main source of heat for the storage tank is their boiler. Steam from the boiler heats all storage tanks of their tank farm. But due to pressure limits of the boiler, it can only heat asphalt in the storage tanks to about 280 degrees F. This temperature is adequate for storage, but not for delivery to asphalt plants.

Asphalt in the main storage tank goes to Volunteer's loading rack where it is loaded into tankers for delivery. Therefore, temperature in the tank must be high enough for shipping. Asphalt in the tank circulates to and from the booster heater, raising its temperature.

Volunteer's original booster heater was a one-pass, cabin-style design. When it wore out, Volunteer needed a replacement to fit their limited space. The new vertical heater actually uses less space than the old heater, freeing some space at their facility.



Terminal manager Don Troutman comments on how much quieter the blower of the new Heatec heater is compared to the old one.

The new heater is a helical coil heater with an output of 5 million Btu/hour. It is a two-pass design with a fully modulating burner. It has a forced-draft blower. Its helical coil is manufactured to meet ASME code.



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