

# 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



Johns Manville new plant in Macon, Georgia

## Heatec Thermal Fluid Heating System Provides Important Savings at Johns Manville Plant



Havener is responsible for setting up new Johns Manville plants

Heatec 5,000,000 Btu thermal fluid heater with helical coil



Charlie Havener, Manager of Process Engineering & Technology at Johns Manville, says their new Heatec system is saving them a significant amount of money. Most of the savings, he said, result by eliminating the need for a boiler tender.

Johns Manville, a major producer of asphalt roofing materials, has just completed a new high tech plant in Macon, Georgia. The plant uses a Heatec thermal fluid heater to heat a 50,000 gallon asphalt storage tank, a booster heater and metering tanks. The heater has an output of 5,000,000 Btu and has high thermal efficiency.

Asphalt in the storage tank is stored at 300 degrees F. Its temperature is boosted to 450 degrees F as it is pumped into the metering tanks and applied to the roofing material.

The heater also heats a steam generator, eliminating the need for a fired boiler. Heated thermal fluid from the heater

circulates through tubes of the steam generator, heating water surrounding the tubes and converting it into steam. This has significant advantages over a boiler with a burner and fire tube.

Unlike a boiler, the heated tubes in the steam generator can never get hotter than the thermal fluid flowing through them. This eliminates the explosion hazards commonly associated with boilers. Moreover, it eliminates the need for a boiler tender, who must be present whenever a boiler is in operation.



Steam generator

Heatec builds heating and storage equipment for a wide variety of industries. Its products are used at asphalt storage terminals, hot mix asphalt plants, oil refineries, chemical plants, food processing plants and others. The company also builds heating equipment and containers for ships. Heatec, located in Chattanooga Tennessee, is a division of Astec Industries, a major producer of equipment for road construction.



Booster heater



Asphalt roofing production line at new plant in Macon, Georgia

