

HEATEC BULLETIN

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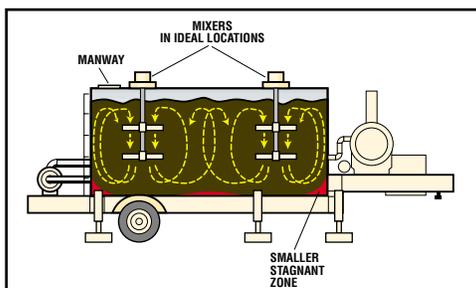


Heatec Heli-Tank™ for portable HMA plants using modified asphalts. It has a forward compartment and a rear compartment, which are independently heated and controlled. The forward one is for virgin asphalt and holds 20,000 gallons. The rear one is for GTR asphalt and holds 15,000 gallons. Two factory-installed mixers are designed and positioned in the rear compartment for optimum mixing efficiency.

Heli-Tank™ Recommended For PMAC At Portable Asphalt Plants

Heatec has recently developed two special versions of their Heli-Tank for portable asphalt plants that use modified asphalt cements. They heat and store either PMAC (polymer-modified asphalt cement) premixed at asphalt terminals or asphalt cements that incorporate GTR (ground tire rubber) mixed at the hot mix plant. Both versions of the Heli-Tank are equipped to maintain the PMAC at higher than normal temperatures and to constantly recirculate the material. Moreover, their pump and piping systems are oversized to compensate for the higher viscosity of the asphalt.

The special versions offer a choice between two recirculation systems: either motor-driven mixers or a spray bar.



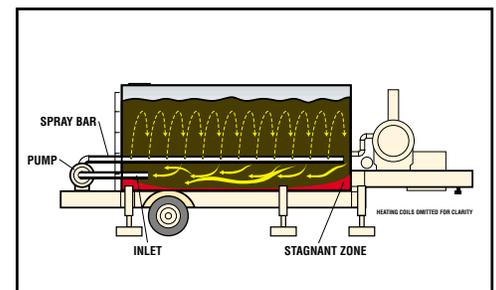
The motor mixers are factory-mounted in the top of the tank in openings spaced to provide optimum mixing. The factory version is superior to field installation of mixers in existing manholes, which are not ideally spaced for mixing. And the

factory-installed mixers have longer mixing blades because they don't have to fit through existing manholes.

The other recirculation system has a spray bar instead of motor-driven mixers. The spray bar is mounted inside the tank. The unloading pump is piped so as to draw the asphalt mixture out of the bottom of the tank and return it to the tank through the spray bar. The

spray bar can be factory-installed on new tanks or retrofitted in the field.

Heatec has equipped a number of Heli-Tanks with these recirculation systems. They have proved to be very satisfactory. The flow patterns with the motor-driven mixers appear to give the best possible mixing with either PMAC or GTR.



Except for the features described above, the special versions of the Heli-Tank are nearly identical to Heatec's standard Heli-Tank used extensively at portable plants. They have a horizontal storage tank mounted on a chassis equipped for highway travel. Tanks have capacities from 10,000 to 35,000 gallons and can have up to three compartments. Each compartment has serpentine coils heated by oil circulating through a helical coil heater mounted on the forward end of the chassis. The heater also provides reliable heating for other storage tanks, fuel tanks, additive tanks, storage silos and jacketed asphalt lines.

Heatec also has a line of vertical tanks highly recommended for modified asphalts. Although they are not portable, they are relocatable and provide optimum heating, mixing and storage along with some additional benefits.

