



HEATEC

Shipping containers

Heatec shipping containers are used for shipping bulk liquid. They are used primarily for shipping asphalt cement aboard sea-going vessels. The containers are insulated and capable of maintaining the asphalt in a liquid state for several days without additional heat.

Shell construction

The container has an all-welded shell made from 0.25-inch steel. It is covered with 2 inches of fiberglass insulation and an outer skin made from .032-inch corrosion-resistant aluminum alloy. A relief valve is located in the top of the container. It opens automatically to relieve a build-up of either pressure or vacuum. A drain valve is located in the bottom of the container.

Heating options

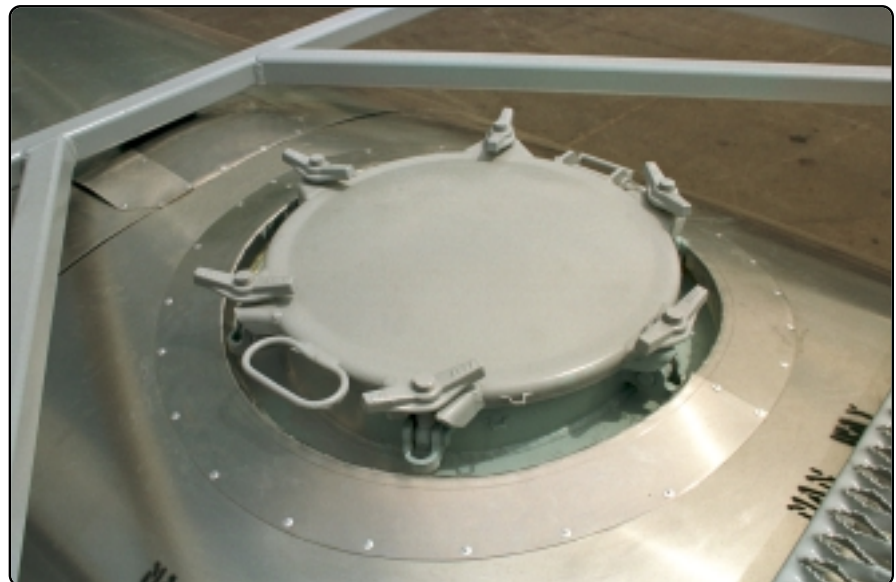
Optional versions have provisions for heating. One version has a heating coil through which hot oil can be pumped to restore heat to the material in the container. Another version has a fire tube and a mounting inlet for a burner. The burner, which is also optional, can be mounted quickly and operated to restore heat to the material in the container.

Frame

A structural steel frame allows the units to be stacked when the containers are either loaded or empty. Socket openings in the structure facilitate interlocking units with each other. They also accept spreader bar attachments for lifting. Optional forklift pockets in the bottom of the frame



The main features of the tank can be seen in this view. Note the covered burner opening and drain valve in the end of the container a few inches above the ground.



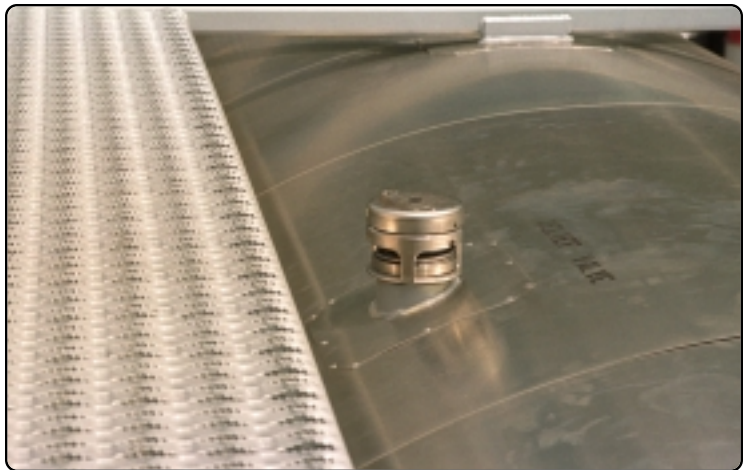
Hinged manway cover with latches secured by eyebolts and winged nut.

facilitate handling by a conventional forklift truck when the container is empty.

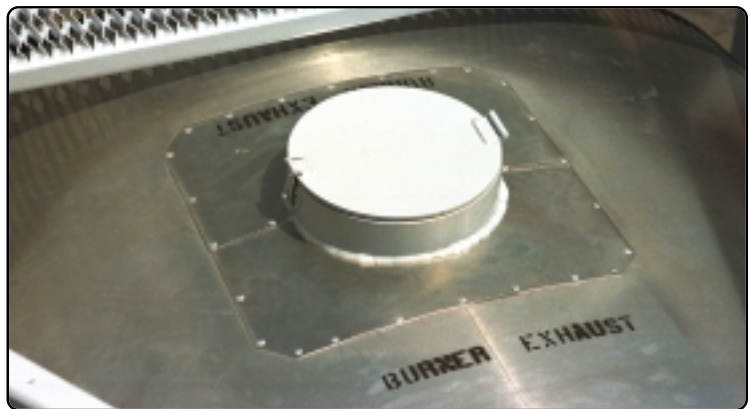
Access

A built-in ladder on one end of the frame and a metal grating along the top allow easy access to the top of the container where a man-way and the relief valve are located. Units equipped for burners also have a burner exhaust outlet in the top of the container.

Heatec containers are built to U.S. DOT Specification Number IM101 and are approved by the American Bureau of Shipping.



Perforated metal grating provides a non-slippery walkway. Relief valve opens to relieve either pressure or vacuum build-up.



Burner exhaust outlet with hinged cover.

Key Specifications:

- Capacity: 19,683 liters (5,200 U.S. gallons)
- Maximum gross weight: 29,074 kg (64,100 pounds)
- Tare weight: 5,988 kg (13,200 pounds)
- Allowable stack weight for 1.8 g: 152,400 kg (335,980 pounds)
- Racking test load value: 15,240 kg (33,600 pounds)
- Maximum allowable working pressure: 2.07 bar (30 psig)
- Hydrostatic test pressure: 3.17 bar (45 psig)
- Minimum shell thickness: 6.3 mm (0.25 inches)
- Shell material: SA-36
- Metallurgical design temperature: 170 C (338 F)



Optional burner. Is easily attached to burner inlet on end of tank to restore heat to contents of container.

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