

Self-Bunded Tanks



Transportable Bunded Bitumen Emulsion Storage

In response to the need for compliance with increasing environmental standards the Parker Plant range of Self Bunded Tanks has been developed for the storage of bitumen emulsions.

Self contained tanks complete with an integral 110% capacity bund. The units are easily transportable and only require a suitable hard standing and electrical supply for siting. With thermostatically controlled electric heating to maintain temperature, an onboard pumping system for loading, offloading and circulation and an agitator for product mixing they provide the complete answer for storage of a wide range of bitumen emulsions including bondcoats and velocity patching materials.



30,000 litre Bunded Tank ready for re-location.

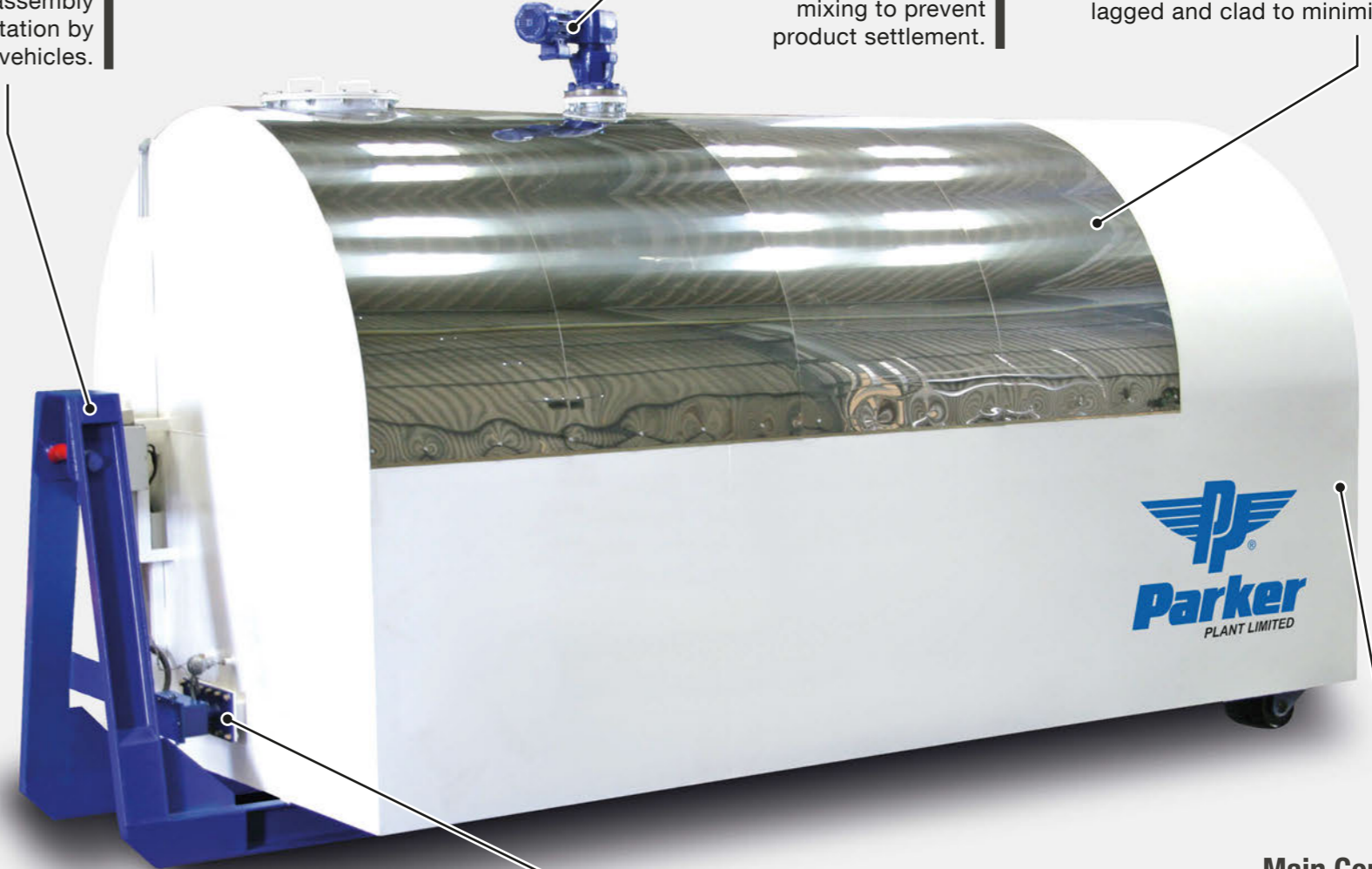


Loading 18,000 litre Hook Lift Bunded Tank for re-location

Hook Lift
Standard hook lift assembly to permit transportation by hook lift vehicles.

Stirrers
Dependent on tank size one or two top mounted stirrers for effective mixing to prevent product settlement.

Fully Enclosed Bund
The main tank is fully enclosed within the bund which provides a minimum of 110% of the main tank capacity and is lagged and clad to minimise heat loss



Heating Nest
The heating nest assembly is easily accessible for maintenance purposes.

Main Control Panel
The main control panel, pump and pipe work are contained within a lockable housing at one end of the tank.

Features



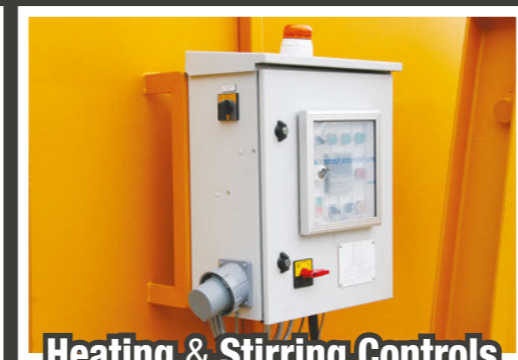
Transportable

The hook lift tank is designed for ease of movement between sites using conventional hook lift vehicles.



Heating System

Utilises high efficiency ceramic heating elements with automatic three stage switching.



Heating & Stirring Controls

Thermostatically controlled heating maintains the desired set temperature with a high temperature lockout facility. The stirrer/s can be operated manually or by preset automatic timer.



On-Board Pump & Valves

The pump is a low shear design ideal for use with bitumen emulsion, configured to load in, load out and circulate the product.



Tank Fittings

Accurate hydrostatic contents gauge with high and low set points and display on the main control panel. Electronic bund leak detection with alarm.



Control Panel

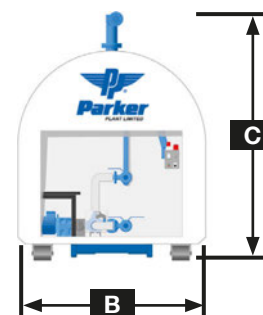
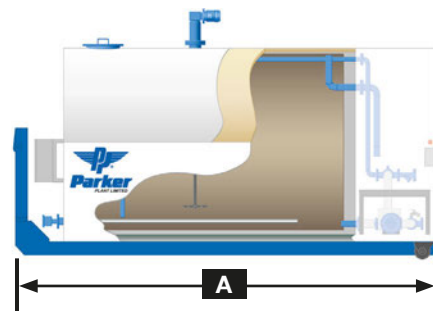
With contents level indication, pump controls and audio visual high level alarms.

Technical Specifications

| | | Self Bunded Tanks | | | |
|-----------------------------------|-------------|-------------------|--------|--------|---|
| Description | Units | Hook Lift | Static | Mobile | |
| Tank Configurations | | | | | |
| Capacity | 18,000 | Litres | ● | - | - |
| | 20,000 | Litres | - | ● | ● |
| | 25,000 | Litres | - | - | ● |
| | 30,000 | Litres | - | ● | ● |
| | 35,000 | Litres | - | - | ● |
| | 40,000 | Litres | - | ● | ● |
| | 50,000 | Litres | - | ● | - |
| | 60,000 | Litres | - | ● | - |
| Heating | | | | | |
| Electric Ceramic Heating Elements | - | ● | ● | ● | |
| Thermostatic Control | - | ● | ● | ● | |
| High Temperature Limit Switch | - | ● | ● | ● | |
| Pump | | | | | |
| External Sliding Vane Type | - | ● | ● | ● | |
| Flow Rate | Litres / Hr | 30,360 | 30,360 | 30,360 | |
| Motor Size | kW | 7.5 | 7.5 | 7.5 | |
| Agitators | | | | | |
| 18,000 to 40,000 Litres | - | 1 | 1 | 1 | |
| 50,000 to 60,000 Litres | - | - | 2 | - | |
| Running Gear | | | | | |
| 20,000 to 30,000 Litres | Axles | - | - | 1 | |
| 35,000 to 40,000 Litres | Axles | - | - | 2 | |
| Electrical Supply | | | | | |
| 400 Volt, 3 Phase, 50 Hz | - | ● | ● | ● | |

Key:

● = Standard equipment

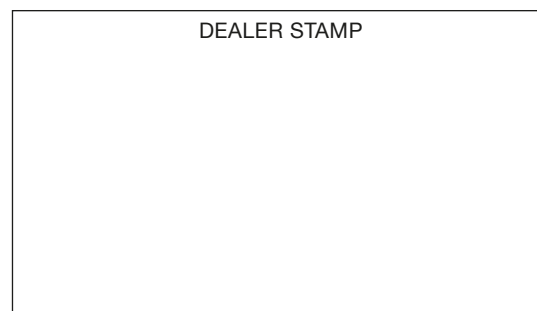


| 18,000L Self Bunded Tank | | | |
|--------------------------|-------|-----------|----------|
| Dimensions | Units | Hook Lift | |
| Length | A | m | 5.97 |
| | | inches | 235" |
| Width | B | m | 2.65 |
| | | inches | 104 1/2" |
| Height | C | m | 3.48 |
| | | inches | 137" |

Note: Illustration and dimensions shown for the 18,000L capacity hook lift version.

Benefits

- Self contained units specifically designed for bitumen emulsion storage
- Hook lift, static and mobile units are available
- Fully thermostatically controlled heating
- Built in stirring to prevent product settlement
- Low shear pumping system



Parker Plant Limited, Canon Street, Leicester, LE4 6GH, United Kingdom

T: +44 (0) 116 266 5999 F: +44 (0) 116 266 4422 W: www.parkerplant.com E: sales@parkerplant.com

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