



MOBILE EQUIPPED STORAGE TANK (MEST) BITUTAINER™



A FULLY SELF-CONTAINED MOBILE STORAGE SYSTEM FOR BITUMEN AND EMULSIONS

Features & Benefits

FULLY EQUIPPED

Options available to maximise operational capability through recirculation, loading, unloading, heating, agitation and monitoring.

SELF-CONTAINED

The internal tank is surrounded by a leak tested secondary containment wall. This removes the need for costly bund wall installations, particularly important on temporary installations

QUICK AND LOW COST INSTALLATION

Easily transported on a standard trailer or side loader and lifted onto site with no need for expensive civil works or foundations

IMPROVES SPRAY COAT LOGISTICS

Removes the need for small capacity sprayers to carry out long distance logistics as they can simply be refilled close to the project site via the MEST Bitutainer™

BESPOKE BUILD

Units can be tailored to meet individual requirements with various capacities and equipment options available

Uses Include

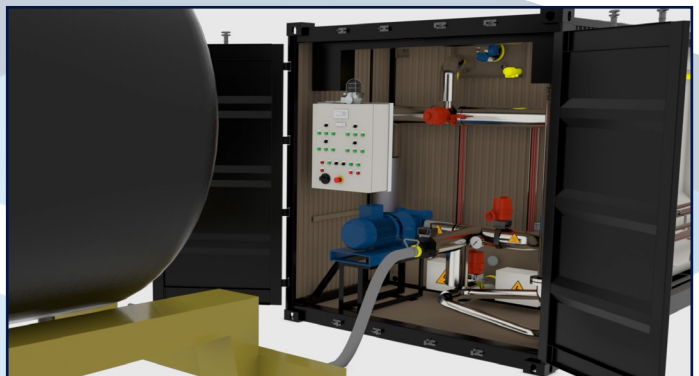
Specialist product storage like PMB's, emulsions, additives, small batch grades etc.



Unmanned remote site storage



Short term and medium term projects where a temporary solution is required



External dimensions - Length x Width x Height: (mm)

12192 x 2438 x 2896

Max. capacity: (m3)

Up to 54

Tare weight (without equipment) : (Kg)

< 9,500

Static Rating: (Kg)

65000

Transport Rating: (Kg)

17000

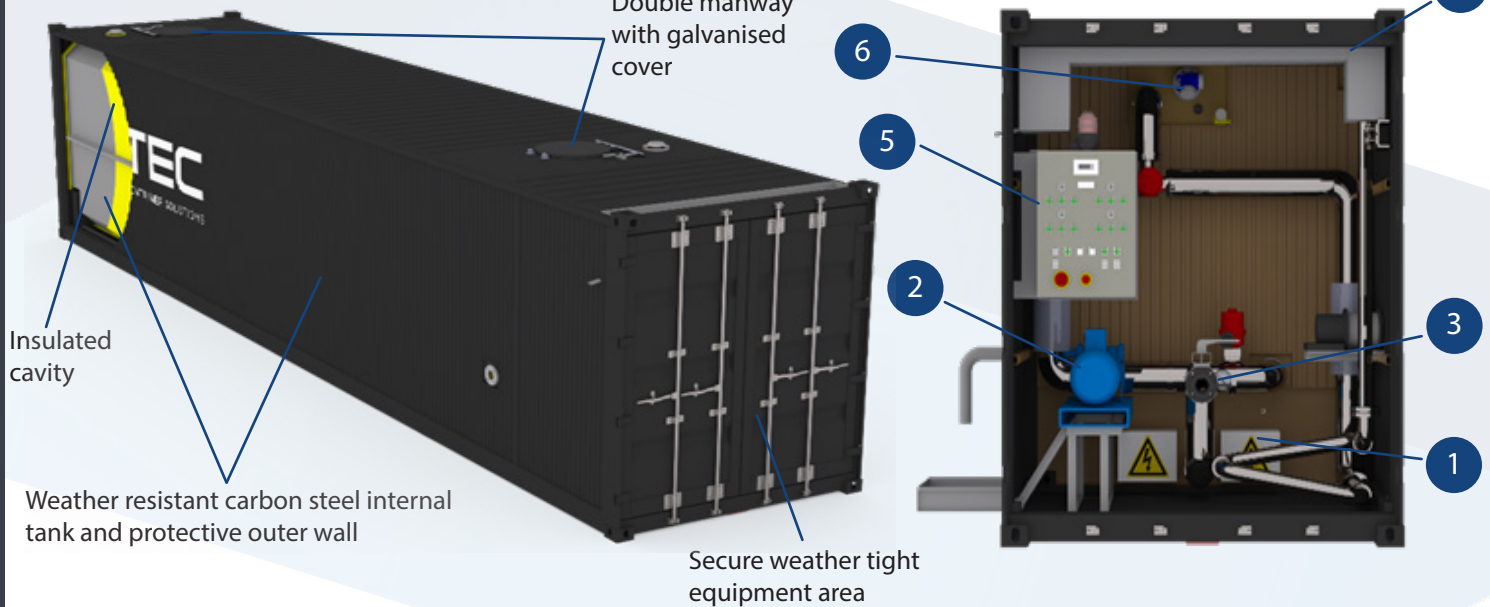
Internal Working Pressure: (Bar)

Atmospheric

Certifications & Approvals:

CSC, (CE Marking Optional)

Bitutainer™ Features & Options

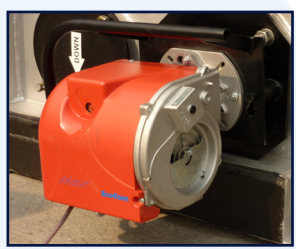


1. Heating



A). Ceramic Electric Heating Element Set

- 8 x 7.5kW Electric Heating Elements supplied with overheat protection and PT100 sensor for temperature regulation.
- Element set rating can be adjusted to suit operating conditions and temperature ranges.



B). Direct Fire Burner Set (either LNG or Diesel powered)

- 2 x Burner kits supplied with mounting brackets, handles, fuel hoses, filters, thermostat and programmer for preset temperature control.

* Thermal Oil/Steam also available on request

2. Pumping System

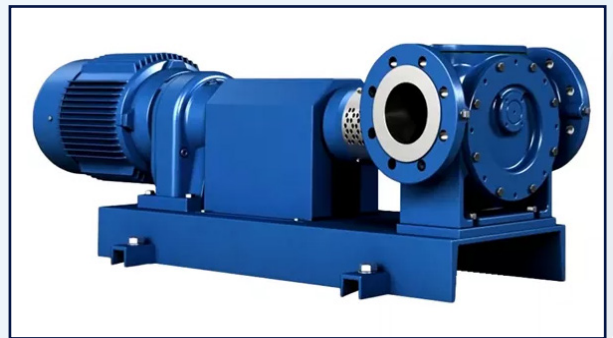
Standard Option:

30m³/hr rotary gear pump, 7.5kW motor – cartridge heated.

The MEST pumping system can be utilised for the following operations:

- MEST filling from a trailer tanker
- Product recirculation
- Discharging the MEST

Alternative pump sizes or dual systems available on request.



3. Pipework & Valve Manifold Options



Pipework

- Pipework configured to allow for all flow operations (filling, recirculation & discharge), with simple manual valve operation accessible from the front service compartment.
- 3" DN80 pipework and flange manifold supplied with pipe supports, electrical trace heating, 50mm insulation and aluminium cladding.

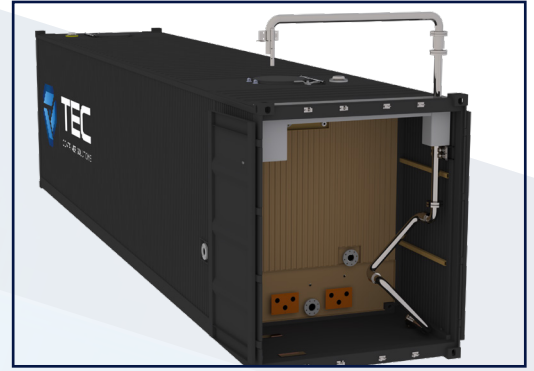
Valves

- Flow Control; Butterfly valves as standard.
- Interface; Manually levered 3" DN80 Ball valves, supplied fully jacketed.

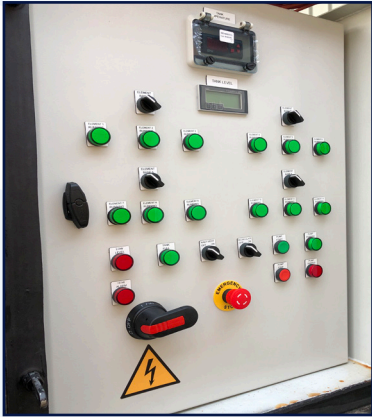
4. Loading Arm

Loading arm for high level sprayer truck filling;

- 3" line with swivel joint operation and locking bar for fixed position
- Electric winch operated
- Stowed in recessed roof space within ISO dimensions
- Sloped for drainage
- Option for Hi-Hi overfill sensor



5. Control Panel



IP650 Control Panel mounted on a swing bracket for ease of access. Works in conjunction with the level and heating system options to allow for precise control over tank operations:

- Houses tank temperature and level displays
- Maintains tank pre-set temperature and prevents overheating
- Pump control (linked to level sensors for automatic overfill prevention)
- Visual and audible alarm with fault lights for operator usability

6. Level Options

A). Manual

- Dipstick and calibration chart

B). Electronic Continuous

- VEGA Non-contact radar level sensor with panel mounted digital display read out for continuous level gauging

C). Electronic Hi-Hi

- VEGA Hi-Hi level switch for overfill protection



Additional Equipment

The MEST can also feature a range of additional customisable options, including:

7. Agitators
8. Generator
9. Compressor
10. Fuel Tank
11. Handrail Sets
12. Roof Access Stairs
13. Side Access Door for Loading and Unloading Connections
14. Overfill Collection Tray



To discuss a specification that best meets your requirements, please get in touch.

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