



Loading and Discharge Manual

Loading Manual

COVERS

Shark Tank

1

EQUIPMENT REQUIRMENTS

- A. Flexitank including 3" male -cam lock valve connection.
- B. A 6ft–10ft strap to support the hose and relieve excessive stress during the loading process .



Any questions regarding any aspect of this manual or equipment should be directed to the OEC LLS technical department.



2

Shark Tank Load Parameters

Tank Size Litres	Upper Volume Limit (Litres)	Lower Volume Limit (Litres)	Lower Volume Gallons	Max Volume Gallons	Recommended Load Volume
24 000	24 100	23 500	6200	6350	6250
23 000	23 500	22 500	5940	6200	6100
22 000	22 500	21 500	5680	5940	5850
21 000	21 500	20 500	5410	5680	5580
20 000	20 500	19 500	5150	5410	5320
19 000	19 500	18 500	4880	5150	5050
18 000	18 500	17 500	4620	4880	4780
17 000	17 500	16 500	4365	4620	4520
16 000	16 500	15 500	4105	4365	4260
15 000	15 500	14 500	3845	4105	4020
14 000	14 500	13 500	3580	3845	3750
13 000	13 500	12 500	3320	3580	3480
12 000	12 500	11 500	3050	3320	3220

It is critical that Shark tank parameters are followed during the loading process.

- ⇒ Product flow rate not exceed 1000 litres (260 gallons) minute. Rate should always be reduced upon completion of load.
- ⇒ Inline / closed line maximum valve pressure is 100 psi
- ⇒ Loading temperatures range between 0°C & 60°C (32°F & + 140°)
- ⇒ Critical to the loading is preventing excess air from load lines at start of product flow.
- ⇒ Calibrated equipment (pumps, scales, meters) is recommended to ensure flexitank is loaded within parameters.
- ⇒ All products loaded in OEC LLS flexitank have been approved by OEC in accordance with the SDS prior to loading.

3 Container Load Pre-Inspection

- ⇒ Confirm documentation corresponds with container and flexitank numbers.
- ⇒ A visible inspection on container & chassis for possible damage that might have occurred during transit to load site.
- ⇒ Inspect locking handles, bars, cams and doors for damage.
- ⇒ Confirm container has a data plate.
- ⇒ Confirm Flexitank size and load amount with tank parameters chart on bulkhead.

4 Safety & Positioning

- ⇒ Chassis & container need to be staged in stabled position on level ground.
- ⇒ All brakes on tractor & chassis need to be in engaged.
- ⇒ Ensure wheel chocks are used during loading process.
- ⇒ Container need to be grounded via a n approved conductive media.
- ⇒ Vehicle engine needs to be shut down and keys removed.

A



Ensure caution label is on left hand door.

B



Warning labels must be present on container walls. If damaged is visible contact the OEC technical department.

C



Right hand door will need to be open and secured to the side. Check bulkhead to confirm it's not damaged and it's fully seated into recess.

D



Confirm flexitank is positioned equally inside container before product flow is started.

5 Load Connections

E



Wheel chocks will need to be placed on power unit.

F



Valve needs to be centered in the bulkhead aperture. Valve should arrive in the closed position.

G



A 6ft–10ft strap used for support will be supplied by driver, some load sites have acquired ones as well.

H



Connect load line to valve and support the hose using the strap. Once hose is supported open the valve.

Cam-lock ears should be secured with straps, tape or zip ties.

Ensure the load line has been purged of air.

I



If possible load line should be supported on the chassis to relieve excess weight from valve.

J



Adjustment of support strap after 10 minutes of product loading might be necessary.

K



Visual checks during the loading process will reveal the flexitank increasing in height and folds will open and rise.

L



Flexitank will continue to rise until the flow meter, scale or automated system indicates the load amount has been reached.

Flexitank will have a domed shape once fully loaded.

M



Option 1 : Clear load line into flexitank via air.
Option 2 : Push product back into storage tank via air and bleeder valve.

Once line is clear close valve and relieve pressure and disconnect hose from valve.

Screw internal cap back into valve and place dust cap on valve.

N



Wipe down any spillage around valve. Double check valve is closed and locked.

Close right hand door and place seals on locking handles.

Flexitank Discharge Section

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Shark Tank



4 Equipment Requirements

- ⇒ Flexitank including 3" male -cam lock valve connection.
- ⇒ A 6ft–10ft strap to support the hose and relieve excessive stress during the loading process .

5 Positioning & safety

- ⇒ Chassis & container need to be staged in stabled position on level ground.
- ⇒ All brakes on tractor & chassis need to be in engaged.
- ⇒ Ensure wheel chocks are used during loading process.
- ⇒ Vehicle engine needs to be shut down and keys removed.
- ⇒ Container need to be grounded via a n approved conductive media.
- ⇒ Container & Chassis should have at least a 5% + slope to assist in the discharge.

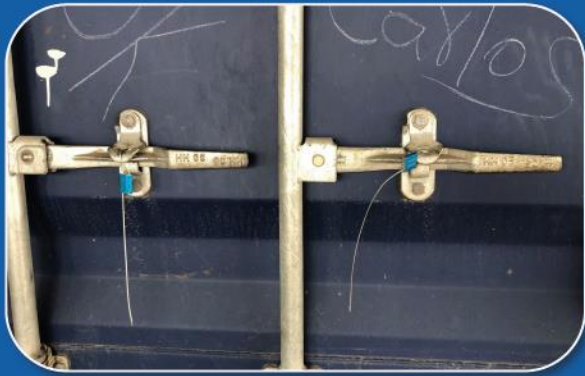


- ⇒ If flexitank is discharge following OEC guidelines residue level will be 25 liters or less

6 Flexitank Discharge

- ⇒ Confirm all numbers (container, flexitank, seals) and product to all corresponding documentation.

6 Flexitank Discharge



Confirm seals, product and reference numbers corresponds with documentation prior to discharging.

Check valve for damage and its in the locked position.

Some valves are shipped with seals, confirm seal numbers.

Remove internal and external caps



Connect load line to valve and support the hose using the strap. Once hose is supported open the valve.

Cam-lock ears should be secured with straps, tape or zip ties.

6 Flexitank Discharge



During discharge flexitank will collapse in the middle leaving side last to fall down.

Hose adjustment might be closer to the end of discharge.

It can be helpful to engage a lift chassis if one is available as well as monitoring pump speed.

These functions can help reduce residue levels.



Discharge is completed disconnect hose place cap back on valve shut door and discharge is completed..