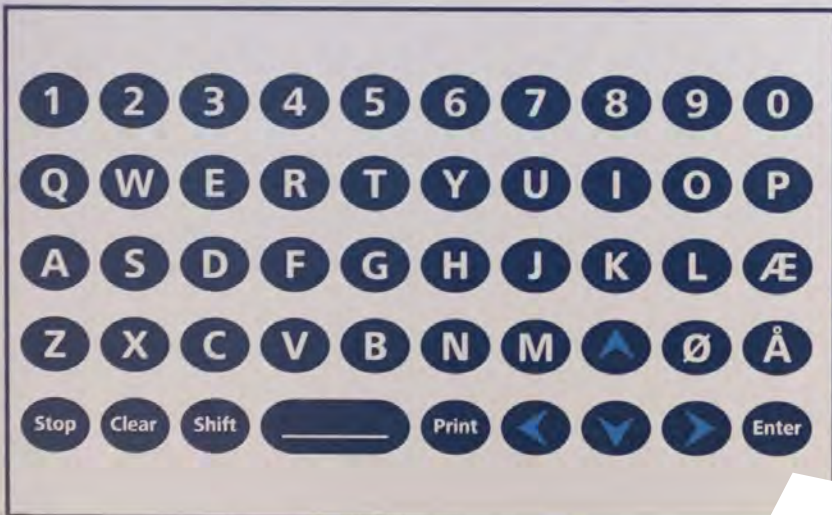


iFUEL Store

Operations Manual



STORAGE SOLUTIONS



 **FUEL**[®]
REFUELLING SOLUTIONS

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PRIOR TO FILLING



Before filling ensure that the tank air vent is fitted. In order to fill the tank you must ensure that the tank can freely vent to atmosphere.

Your iFUEL Store self-bunded tank is fitted with a dedicated DN50 Fill

Line. Major components of this fill line include:

- ✓ **DN50 iFUEL Camlock Dust Cap Assembly**
- ✓ **DN50 iFUEL Male Camlock Fitting**
- ✓ **DN50 (2") 150# iFUEL Full Bore ball valve / Non Return Valve**



- ✓ **DN50 iFUEL Overfill Protection Valve**



- ✓ **iFUEL 12V Battery Operated Overfill Alarm**



TANK FILLING PROCEDURE



The tank should not be filled to more than the tank's rated capacity.



Ensure this tank is filled as per the Diesel Tank Fill Procedure inside the pump bay door

The iFUEL Store Tank is fitted with an audible overfill alarm in accordance with the requirements as defined by AS1940. This alarm will sound should the tank contents near the determined safe fill level.

DISCHARGING FROM THE iFUEL STORE

In accordance with the requirements of AS1940 all openings to the iFUEL Store Tank are located above the liquid level of the tank.

You **CANNOT** gravity feed from a iFUEL Store Tank.

The iFUEL Store Tank, in accordance with AS1940, is fitted with an DN50 iFUEL Anti Syphon Valve. The valve is located within the tank at the beginning of the suction line. This valve performs two functions:

1. **Anti Syphon:**

Once the pump ceases operation, the flow from the tank will stop; with the spring closing the seat within the anti syphon valve. Should the dispensing equipment be forcibly removed from the tank, this valve will stop the flow.

2. **Foot Valve:**

The iFUEL Anti Syphon Valve is also designed and positioned to operate as a foot valve. The valve is designed to retain a full head of fuel on the dispensing equipment in order to provide an easy start for the next pumping operation.



Ensure discharging or dispensing from the iFUEL Store Tank is as per the dispensing equipment manufacturer's manual



MOVING YOUR iFUEL STORE

Ensure the tank is lifted as per the decals on the top of the tank:

- ✓ Tank is empty.
- ✓ Lifting using the top certified crane lifting lugs or forklift pockets.
- ✓ The lifting lugs are NOT certified to lift the tank with fuel.

SCHEDULED MAINTENANCE

It is important that you put in place a preventative maintenance schedule for your iFUEL Store Tank. To ensure optimum performance a 6-monthly service is required. Particular areas of focus should be as follows:

Updraft Vent (Breather)

- ✓ **MONTHLY** – Remove and wash / clear vent of all dust and other particles.
- ✓ The iFUEL Store Tank is of a free venting design.
- ✓ For every litre of fluid filled into, or taken out from the iFUEL Store a litre of air travels through the main tank breather.
- ✓ It is important that this breather remain clear and unblocked.
- ✓ Any blockage of this breather can result in structural damage to the tank.
- ✓ The iFUEL Store is only rated to a maximum pressure of 21kpa (3psi).

Interstitial Emergency Vent

- ✓ **MONTHLY** – Please check vent operation on a monthly basis and lubricate as required.
- ✓ This vent provides relief to the interstitial space in the event of pressure build up.
- ✓ In the event of a fire the air within the interstitial space will pressurise.
- ✓ This vent provides a vital job to relieve this pressure

De-Watering

- ✓ Over time water will build up in the bottom of your iFUEL Store
- ✓ We provide a 1" Tank Dewatering Line located at the top of the bunded pump bay. This 1" line extends to just off the bottom of the tank at the lowest point of the tank.
- ✓ Using a hand operated pump, remove liquid into an appropriate storage medium using 25mm suction tube until clear diesel flows.

Bunded Pump Bay Housing

- ✓ This design feature of the tank is designed to capture spill product over time.
- ✓ It is an area of the tank that requires regular maintenance and good housekeeping.
- ✓ Normally we DO NOT include a drain bung as this would only invite operators to empty the contents of the bunded pump bay housing onto the ground, resulting in an ongoing risk of hydrocarbon contamination on site.



Evacuation equipment must be used to remove any product from the bund in order to eliminate the risk of environmental contamination.



Overfill Alarm

- ✓ **MONTHLY** – Test operation, replace batteries as required.



Interstitial Dip

- ✓ **MONTHLY** – Dip interstitial space of the tank using Kolor Kut Water Finding Paste
- ✓ More information can be obtained by clicking on the following link or calling iFUEL

Suction Strainer

- ✓ **MONTHLY** – if a pre-pump suction strainer is included with your iFUEL Store please close all surrounding valves, remove the element and clean on a monthly basis.

Pumps

- ✓ Please maintain in accordance with the pump manufacturer's maintenance manual.

Filters

- ✓ **SIX MONTHLY** – Your iFUEL Store Tank can be fitted with a variety of filtration options and is to be maintained in accordance with the manufacturer's maintenance manual.

Meters

- ✓ **SIX MONTHLY** – calibrate and maintain in accordance with the meter manufacturer's manual.

Tank Washing

- **MONTHLY** – wash tank surface with wash and wax to keep surface clean.

iFUEL stocks a full range of spare parts for your iFUEL Store Tank. iFUEL branch locations and contact information are included below.



P: 07 3204 2240

W: www.ifuel.com.au

E: sales@ifuel.com.au

A: Unit 2 - 11-15 Baylink Avenue, Deception Bay, QLD, 4508

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