

PETRO STORE



OPERATIONS MANUAL

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PETRO INDUSTRIAL





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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 PETRO Store self-bunded tank is fitted with a dedicated DN50 Fill Line.

Major components of this fill line include:

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



- ✓ DN50 PETRO Overfill Protection Valve



- ✓ PETRO 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 PETRO 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 PETRO STORE:

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

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

The PETRO Store Tank, in accordance with AS1940, is fitted with an DN50 PETRO 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 PETRO 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 PETRO Store Tank is as per the dispensing equipment manufacturer's manual



MOVING YOUR PETRO 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 PETRO 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 PETRO Store Tank is of a free venting design.
- ✓ For every litre of fluid filled into, or taken out from the PETRO 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 PETRO 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 thermal expansion air expands and pressure needs to be relieved
- ✓ This vent provides a vital job to relieve this pressure



De-Watering

- ✓ Over time water will build up in the bottom of your PETRO 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 split 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 PETRO Industrial via the number above:

[Kolor Kut Water Finding Paste](#)

Suction Strainer

- ✓ **MONTHLY** – if a pre-pump suction strainer is included with your PETRO 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 PETRO Store Tank can be fitted with a variety of filtration solution 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.

Paint Finish Care Instructions

- **MONTHLY** - Wash tank surface with wash and wax to keep surface clean from dust build up, pollution fall out and any other corrosive air born particles that might accumulate on the painted surface.

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



PETRO STORE LADDER ASSEMBLY:

The following instructions will inform personnel how to assemble a PETRO STORE Ladder.

Step 1:

Unbolt and remove ladder from brackets, lower platform down.



Step 2:

Bolt handrails to platform and tank brackets.





Step 3:

Bolt ladder to handrails using an Alan key.



Step 4:

Bolt platform-ladder connection into place.





Step 5:

Put supports into place and fastened to tank brackets and platform



Step 6:

Place bottom support hooks over receivers and bolt to ladder.





PETRO STORE LADDER DISASSEMBLY:

The following instructions will inform personnel how to disassemble a PETRO STORE Ladder.

Step 1:

Unbolt bottom support and unhook from receivers.



Step 2:

Unbolt and remove supports from platform and tank brackets.





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Step 3:

Unbolt and remove platform-ladder connection



Step 4:

Disconnect ladder from handrails.





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Step 5:

Unbolt and remove handrails



Step 6:

Raise platform and bolt ladder frame to tank.





PETRO WARRANTY POLICY:

1. PETRO Industrial warrants that each new and unused item of equipment (hereinafter called the Product) is of good workmanship and is free from mechanical defects, provided that:
 - The Product is installed and operated in accordance with the printed instructions as provided by PETRO Industrial.
 - The Product is used under normal operating conditions for which it is designed.
 - The Product is not subject to misuse, negligence or accident.
 - The Product receives proper care, lubrication, protection and maintenance under the supervision of suitably qualified personnel.
2. This warranty only applies where the product is maintained as per the PETRO Industrial's Tank Maintenance Schedule. This Maintenance Schedule covers the following:
 - Tank surface cleaning and paint protection.
 - External valves, sockets, filtration and venting.
 - Pump bay dispensing equipment.
3. This warranty expires 12 months after shipment by PETRO Industrial to the first user.
4. This warranty does not apply to:
 - Fluids
 - Filters
 - Fuses
 - Bulbs
 - And other consumable or normally wearing type items unless found to be defective prior to use.
5. PETRO Industrial does not warrant the following components:
 - Engines (Gasoline or Diesel)
 - Compressors (Air or Freon)
 - Storage Batteries
 - Engine Starters
 - Generators
 - Alternators
 - Regulators
 - Governors
 - Transmissions
 - Any other Product having its own inherent warranty.

Many of the foregoing components are warranted directly by the manufacturer and are serviced by a worldwide network of distributors and others authorised to handle claims for component manufacturers. A first user's claim should be presented directly to such an authorized component service outlet.



In the event any component manufacturer has warranted its component to PETRO Industrial and will not deal directly with a first user, then PETRO Industrial will cooperate with the first user in the presentation of a claim to such manufacturer.

Under no circumstances does PETRO Industrial assume any liability for any warranty claim against or warranty work done by, or on behalf, of any manufacturer of the foregoing components.

5. PETRO Industrial extends this warranty only to the purchaser of new Products from PETRO Industrial or one of its authorised distributors. The products purchased under this warranty are intended for use exclusively by the buyer and its employees and by no other persons and, therefore, there shall be no third party beneficiary to this warranty.
6. A claim of defects in any Product covered by this warranty must be in writing and is subject to PETRO Industrial inspection and judgment. PETRO Industrial's liability is limited to repair only. PETRO Industrial will replace the defective product, F.O.B. factory, once the purchaser, at its expense, has returned the defective product to PETRO Industrial's nominated shipping place. Replacement and exchange parts will be warranted for the remainder of the original warranty, or for a period of ninety days, whichever is the greater.
7. Under no circumstances whatsoever shall PETRO Industrial and its authorised distributors be liable for any special or consequential damages, whether based on goodwill, lost resale profits, work stoppage, impairment of other goods or otherwise, and whether arising out of breach of any express or implied warranty, breach of contract, negligence or otherwise, except only as may be required by applicable law.
8. Continued use of Product (s) after discovery of a defect voids all warranties.
9. Except as authorised in writing, this warranty does not cover any equipment that has been altered by any party other than PETRO Industrial.
10. There are no warranties, which extend beyond the description of the face hereof. PETRO Industrial makes no warranties, express or implied, of merchant ability or fitness for a particular purpose.
11. PETRO Industrial neither assumes nor authorises any person for PETRO Industrial any liability in connection with the Products sold, and there are no oral agreements or warranties collateral to of affecting this written warranty.
12. The laws of the State of Queensland, Australia hereunder shall govern this warranty and all undertakings of PETRO Industrial.

Warning

At all times, safety must be considered an important factor in the installation, servicing and operation of the product. Skilled and technically qualified personnel should always be employed for such tasks.

PETRO Contact Information

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