

QTANK DIESEL & ADBLUE BUNDED STORAGE BUNKER INSTALLATION AND WARRANTY GUIDE

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*For 5,000L and 10,000L Bunded Polyethylene
Storage Tanks*



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INTRODUCTION

Congratulations on investing in a QTank Diesel Bunker.

This guide outlines the safe installation, operation, and maintenance of QTank's 5,000L and 10,000L self-bunded polyethylene Diesel and AdBlue Bunkers. Designed for static, above-ground use, these tanks are designed to comply with **AS 1940:2017** and **AS/NZS 4766** standards for the safe storage and dispensing of combustible and corrosive liquids.

Please read this guide thoroughly before installation or use. Proper installation and maintenance are the responsibility of the purchaser and are essential to safety and warranty compliance.

Important Safety Information:

- Do not enter, bury, or move the tank when full
- Use tanks strictly for Diesel or AdBlue unless approved in writing
- Always ensure proper ventilation and avoid ignition sources
- Maintain a spill containment strategy and access to safety equipment
- Tanks must not be used on construction sites as per AS 1940:2017
- Read all enclosed information prior to installation or first fill of your new tank.

QTank tanks are built using UV-stabilised premium resins and are tested to meet rigorous Australian quality and safety standards. Every tank is uniquely serialised and independently verified for traceability. QTank is a certified manufacturer under **AS/NZS 4766**.

NOTE: Operation manuals should remain with the equipment at all times. Only trained and authorised personnel should handle installation or dispensing. Modifying the tank or accessories voids all warranties.

INSTALLATION GUIDE

DELIVERY & HANDLING

- Ensure a responsible person is present to receive the tank at the time of third-party freight delivery.
 - **When Empty:** The tank may be lifted using the designated lifting lugs or moved gently using a crane, forklift, or by sliding. Only reposition the tank from its pallet to the final installation site when empty.
 - **Inspect** all components—including the tank, bund, pump system, and accessories—for damage or missing parts upon delivery.
 - **When Full or After Initial Fill:**
 - Do **not** drag, roll, or lift the tank by the roof lugs.
 - **Do not move** the tank once it contains fuel.
 - If relocation is required, the tank must be completely emptied and cleaned of all residual fuel.
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SITE REQUIREMENTS

Location

- Install outdoors on flat, well-ventilated ground
- Maintain minimum clearances:
 - 3m from buildings, boundaries, ignition sources
 - 8m from flammable storage
 - 15m of cleared vegetation in rural/agricultural areas
- Avoid flood zones and low-lying areas
- Use bollards or barriers to protect from vehicle impact

Access

- Provide safe access for fuel delivery, maintenance, and emergency services
- Prevent diesel runoff into soil or waterways

Base Requirements

- Fire-resistant base (concrete, bitumen, compacted crusher dust)
 - Thickness: 75–100mm, extending 300mm beyond tank
 - Base must support total filled weight (5,500kg for 5,000L; 11,000kg for 10,000L)
 - Do not bury, tilt, or anchor through the tank
 - Use provided anchor lugs to secure in exposed or windy locations
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FIRST FILL & OPERATION

- Drive the supplied earth probe 600mm into the ground and connect grounding cable
- Fill under supervision only, using a camlock-equipped fuel delivery truck
- Do not exceed 550 LPM fill rate
- True Safe fill levels: QTank Fuel Bunkers are over engineered to hold true capacity.
- Use internal dipstick to confirm volume during filling
- Use spill kit for minor spills

Note: Electronic gauges may read lower than actual during first fill. Dip tank manually to confirm.

DISPENSING INSTRUCTIONS

- Confirm adequate fuel level before use (do not dispense under 10%)
 - Turn on pump, remove nozzle, and begin fill into vehicle or tank
 - Monitor fill and return nozzle to holster after use
 - Turn off pump and use spill kit as needed
 - Refer to pump manual for specific operating instructions
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PUMP & ACCESSORY INSTALLATION

- All QTank Diesel Bunkers come pre-fitted with pump systems matched to your requirements
 - Refer to provided manuals for each component (pump, meter, filter)
 - 240V systems must be installed by a licensed electrician
 - Regularly inspect cables and connections for wear
 - Keep the pump bay closed when not in use
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EARTHING ROD INSTALLATION

For diesel storage, it is essential to install an earthing rod to safely dissipate static electricity and reduce the risk of ignition hazards. The rod should be placed within 200mm of the tank and driven at least 600mm into the ground. It must be securely connected to both the tank and the grounding point.

Installation should be carried out by a qualified electrician to ensure proper safety and compliance.

SERVICE & MAINTENANCE

Regular servicing and maintenance are critical to ensuring safe, efficient, and long-term performance of your QTank Diesel or AdBlue Bunker. Follow the table below for recommended maintenance intervals and responsibilities:

Item/Area	Action Recommended	Frequency
Visual Inspection	Inspect entire unit for visible changes, damage, or leaks	Every 3 months
Pump Cabinet Cleaning	Clean inside the cabinet with soapy water and rags to remove diesel/dirt buildup	Every 3 months
Dispensing Nozzle	Check nozzle operation and cleanliness; ensure no blockages or damage	Every 3 months or as used
Pump Operation	Visually check pump functionality; clean exterior if dusty	Every 3 months or as used
Flow Meter	Verify litres dispensed match expected volumes	Every 3 months or as used
Filter Replacement	Replace inline fuel filter (see manual for type)	Every 12 months or 50,000L
Hoses	Inspect for wear, cracks or kinks; ensure secure connection	Every 3 months
Screw Lids	Check and tighten if needed	Every 3 months
Fill Line Valves	Check condition and function during filling	Every 3 months or as used
Earth Rod & Cabling	Inspect for integrity, secure placement and moist ground conditions to ensure Electrical Continuity.	Every 3 months
Bund Inspection	Use bund dip to check for liquid; remove and dispose per regulations	Every 3 months or as needed
Tank Dewatering	Use water-finding paste and suction foot for removal of water	As required
Internal Cleaning	Clean internal surfaces to remove sediment or buildup	As required
Tank Integrity	Conduct full visual tank assessment for structural issues	Every 2 years
Flow Rate	Do a pump flow run to ensure devices are within tolerances.	Every 6 months

All servicing must be carried out by qualified diesel technicians. Ensure replacement parts comply with manufacturer specifications. Report any issues, irregular alarms, or damage to QTank immediately.

Important: Do not allow unauthorised access to tank components. Keep pump bay locked when not in use. Maintain a spill kit nearby and train personnel in emergency response.

Note: Clean the tank interior periodically and report any faults or alarms to QTank immediately.

WARRANTY STATEMENT

QTank Diesel & AdBlue Bunker Warranty – 5 Years (Tanks)

This warranty applies to polyethylene tank components and covers manufacturing defects for five (5) years from the date of original purchase. This includes both the internal storage tank and the external bund. The tank must be installed and maintained according to QTank's official guidelines, and used only for Diesel or AdBlue with a specific gravity not exceeding 1.2.

QTank certifies that its tanks are manufactured in accordance with **AS/NZS 4766** and are designed to meet the safety and operational criteria of **AS1940:2017**.

Warranty Coverage

- Manufacturing faults in the polyethylene tank (inner and banded outer shell)
- Tanks used for static above-ground Diesel or AdBlue storage
- Tanks installed and maintained in accordance with QTank installation guide

Warranty Exclusions

This warranty does **not** cover:

- Tanks used for portable or vehicle-mounted applications
- Tanks buried, partially buried, or subjected to top loading or weight
- Tanks used to store other fuels or chemicals without written QTank approval
- Tanks filled at a rate exceeding 550 LPM
- Improper installation or maintenance (e.g. incorrect base, unsecured installation)

- Modifications, misuse, impact, vandalism, or unauthorised repairs
- Weathering and long-term UV degradation beyond normal wear
- Tanks used on construction sites (prohibited by AS1940)

Accessories Warranty

(Separate Manufacturer Warranty Applies)

- Pump, OCIO Gauge, Pulse Meter: 12 months
- Hoses, Nozzles, Sensors: 3 months

All accessories must be used and installed according to supplied product manuals. Any modification or incorrect use voids their warranties.

Conditions for Warranty Validation

To maintain warranty eligibility:

- Tank must be serviced every **12 months or 50,000L dispensed** (whichever occurs first) by a qualified technician
- All issues must be reported to QTank immediately upon discovery
- No repair attempts should be made to the inner or outer tank, without QTank approval




Claims Process

- Submit a written claim with supporting photos and proof of purchase
- Allow QTank to inspect the product, site, and installation method
- If fault is covered, QTank will at its discretion:
 - Repair the tank
 - Replace the tank
 - Refund or reimburse part of the purchase value (excluding freight)

QTank's liability is limited to the original purchase price of the tank only. Freight, labour, loss of product, and consequential damages are not covered.

For support, contact:

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