

# Installation & Operation Guide



## Bluemaster<sup>®</sup> Station

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AdBlue<sup>®</sup> Storage and  
Dispensing Above Ground  
Bunded Polyethylene Tanks

- Depot
  - Express
  - Terminal
  - Customised Fit-Outs
- 

*Thank you for purchasing  
a Bluemaster<sup>®</sup> Station!*

*This installation guide effective from  
1st March 2016*



**Australian  
Owned and Made**

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- [industrial.polymaster.com.au](http://industrial.polymaster.com.au)
- 1300 062 064

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# Company Profile

## ABOUT POLYMASTER

Polymaster are manufacturers of an extensive range of quality products for industrial, residential and agricultural applications. Over the last two decades, Polymaster has been at the forefront of industry endorsed, product certified designs that have advanced the life-span and functional capabilities of process vessels, bulk storage, rainwater tanks and animal care products. As an Australian owned, quality assured company, Polymaster delivers every product to specification with confidence through our growing network of distributors.

## ENVIRONMENTAL MANAGEMENT

Polymaster's manufacturing methods embrace environmental considerations as a central philosophy. We implement recycled heat technology; minimizing on the LPG required to manufacture each product, reducing operating costs and most importantly, our CO2 emissions. Excess materials are fully recycled and water re-use programs help to lessen our impact on Australia's natural resources.

## QUALITY ASSURANCE

As a quality certified company, Polymaster's quality assurance regimen is internationally recognised and certified to ISO9001 standards. Our exclusive use of UV stabilized premium resins to AS/NZS 4766 standards, combined with FEA testing and engineering for every mould design assures quality in the manufacture of every Polymaster product. Every tank is independently certified to SAI Global's AS/NZS 4766:2006 standard and labelled to display manufacturing details and serial number for complete traceability.

# Introduction

**Congratulations for purchasing one of Polymaster's quality Bluemaster® Stations. Ensure this product is correctly installed, operated and regularly maintained and it should give you trouble free service for year to come.**

**Correct tank installation is the sole responsibility of the purchaser.**

**The following content is a guide only. Any vehicle/machinery affected negatively or positively is not covered by the Bluemaster® Station guarantee.**

## Bluemaster® Brief

This Bluemaster® Station is only to be used for the static storage and dispensing of AdBlue. The range is designed and engineered to suit the needs of a vast coverage of industrial, commercial and public requirements from nationwide fleets to local users.

The station enables safe chemical storage outdoors, at a safe distance from building and hazard zoned areas. High resistance against mechanical impact and protection against heat due to the bunding system (tank in tank) construction. The high standard that your Bluemaster Station has been made to ensure optimum safety and functionally.

N.B. For customised BMS's the following material may not apply. For all customised Bluemaster stations, Polymaster takes no responsibility for operation, recommendations or maintenance and safety guidance.

# Safety Guide

READ OPERATION MANUAL IN DETAIL BEFORE USE & COMPLY WITH ALL INSTRUCTIONS HEREIN. OPERATION MANUAL SHOULD BE KEPT WITH THE EQUIPMENT AT ALL TIMES.

- A.** Installation and use of this product should only be carried out by properly trained and approved personnel.
- B.** This manual contains important information concerning the safe installation and use of this product. Read the manual carefully before installation and use. Pay attention to all safety warnings.
- C.** Users of this product are responsible for the safe and correct use of this product.
- D.** Any changes to this product, which have been done without consulting the manufacturer, will invalidate all warranties and guarantees.
- E.** The manufacturer will not be responsible for any accidents or damages caused by incorrect installation or use of this product.
- F.** This product is only suitable for storage and dispensing of Adblue® SCR urea.
- G.** The control board contains electrical devices which are not suited for use in area's where there may be risks of explosion.
- H.** The components must not be altered or tampered with due to potential risks to personnel.

# Transport & Storage

**A.** DO NOT TRANSPORT WITH LIQUID INSIDE.

**B.** The Bluemaster Station must be protected against mechanical damage during transport and storage.

**C.** Loading and off-loading must be carried out using only professional equipment, e.g. a forklift with extended forks. The covers, sockets or other protruding elements, which are not designed for lifting or moving the station must not be used to lift or move the station.

**D.** The Bluemaster Station must never be pushed or rolled.

**E.** During transport and storage, the door must be tightly closed and secured. The dispensing nozzle must be placed in its holster and the control box shut.

**F.** Loading and transport areas must be smooth and free of sharp edges. During transportation, the tank must be secured to prevent the tank from moving.

directly on a level, secure and non-combustible base.

- Determine if station needs to be secured in place in exposed conditions. Do not drill holes in the tank.
- Bluemaster tanks are supplied with an electronic contents gauge and alarms as standard.
- Prior to installing inspect for damage, if damaged do not install.
- The guarantee card in this booklet should be returned to the supplier at **161 Karinie St, Swan Hill Vic. 3585** or **industrial@polymaster.com.au**
- The tank serial number must be recorded on the guarantee card to validate warranty. This number is usually located on outside tank by the access hole.
- THE STATION MUST NOT BE FILLED AT A RATE EXCEEDING 250 LITRES PER MINUTE.
- For further advice, contact the BlueMaster helpline on **1300 062 064**

After installation, please ensure that this instruction booklet is left with the end user for future reference.

Ensure the entire base of the tank is supported with a non-combustible base (minimum 45mm in thickness) extending 300mm on all sides.

Bluemaster Station is guaranteed for 2 years from the date of purchase against faulty materials or manufacture of the tanks. The equipment and accessories are guaranteed for 1 year from purchase.

# Installation & Handling

These instructions should be read in their entirety before commencing installation of the Bluemaster Station.

- For all tank installation and maintenance, please take into consideration Health & Safety/Local Building Regulations.
- A concrete/level solid base is recommended for installation. If this is not possible the station should be installed

- The guarantee excludes ancillary fittings such as contents measuring gauges or mechanical pumps.

Provided that the following criteria are adhered to (applicable to all models):

- The enclosed guarantee card is returned to Polymaster with evidence of the purchase date.
- The tank is installed and commissioned in accordance with the instructions outlined in the Installation and User Manual.
- The tank is installed and commissioned by a suitably qualified engineer.
- The tank has not been subject to misuse, careless handling, faulty installation, or any repairs have not been attempted or carried out other than by authorized, qualified service staff.
- The tank has been purchased by the end user and is not for hire purposes.
- The tank is installed above ground.
- The tank is inspected every 6 months or every 50,000 litres dispensed, depending on which occurs first, by a suitably qualified service engineer. Immediately upon discovery of any defect in the tank steps are taken to mitigate loss by contacting the Adblue supplier and if necessary arrange for tank to be drained.
- Immediately upon discovery of any defect you contact the Guarantor and allow a representative to inspect the tank and its surroundings and where necessary carry out any repairs (before any attempts are made to move the tank).
- Standard and ancillary fittings, repairs and maintenance are to be carried out by your nominated agent

## 1. FILLING BLUEMASTER® TANK

During the first fill of the tank the level indicator may show less volume than that filled. The level indicator minimum read point is placed at the base of the tank. The safe fill level must NOT be exceeded.

NOTE: As level gauges can take some time to calibrate, the liquid level must be physically checked during initial filling.

- A.** Filling should be performed only under constant supervision of an authorized person.
- B.** This tank can only be filled by a tanker equipped with a female dry-break coupling.
- C.** Ensure dispensing nozzle is in the holster.
- D.** Fit delivery hose to dry-break coupling. Do not fill the internal tank by other means.
- E.** Stop filling when desired amount has been dispensed into tank or when overflow alarm is activated.
- F.** Disconnect delivery hose from coupling.

## 2. DISPENSING FROM BLUEMASTER® STATIONS.

- A.** If the unit is a terminal station, please read the MC Box manual entirely before use, and ensure any users are fully instructed.
- B.** Lift dispensing nozzle from holster. Ensure the nozzle is clean.
- C.** Turn the pump on and start pumping immediately.
- D.** Dispense contents into appropriate tank
- E.** When vehicle is full, turn off pump immediately, ensure the dispensing nozzle is clean before placing back in holster.

## Service & Maintenance

- A.** Keep all station equipment in good, clean working condition.
- B.** Bluemaster® Station should only be serviced by approved qualified personnel. Please contact a local service agent for this.
- C.** Spare parts must comply with the requirements of the manufacturer.
- D.** A daily check should be carried out in the visual condition of the station, devices and power supply.
- E.** Any faults or alarms should be reported to the station supplier immediately.
- F.** Protect against unauthorised access.
- G.** Bluemaster® Station should be serviced every 6 months or every 50,000 litres dispensed, depending on which occurs first.
- H.** Transport and store the station so as not to damage the tank walls.
- K.** Ensure no foreign material is entering the Bluemaster® Station at all times.
- L.** If the station has not been used for an extended period, run contents through the dispenser for at least 10 seconds and dispose of appropriately.

## WARRANTY

This guarantee is not valid for the following defects:

- Mechanical damaged caused by the user, dealer or improper maintenance.
- Faults, damage or premature wear caused by improper use.
- Damage caused by third parties.
- Repairs carried out by unauthorised service personnel.

Within the warranty period, Polymaster will repair or replace, at their discretion, any tank found faulty due to incorrect material or workmanship.

Polymaster products are guaranteed against material or manufacturing defect and have the following guarantee period commencing from the date of the invoice:

- For polyethylene tanks: 5 year
- For accessories/components: 1 year

# Components

## SPECIAL FEATURES

1. 400mm Vented Access Lid
2. Digital Level Indicator(OLE)
3. Tank Management System (optional)
4. 35 LPM Diaphragm Pump
5. Nozzle Holder
6. S/Steel Automatic Nozzle
7. 50mm Dry Break Coupling
8. Retractable Hose Reel
9. Weather-proof Dispensing Cabinet
10. Lockable Door
11. Inner Tank
12. Bund Enclosure

Please note: Equipment shown in diagram is not standard on all tanks. Positioning of equipment may vary depending on model of your Bluemaster® station.

For further information please refer to additional manuals.



PICTORIAL VIEW  
(TERMINAL MODEL SHOWN)

# Warranty Card



Please register online at [warranty.polymaster.com.au](http://warranty.polymaster.com.au)  
to activate your warranty.



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If you are unable to access this page online you can complete the  
below fields and return this form to Polymaster: Attn: Warranty Dept.  
Locked Bag 4001 Swan Hill VIC 3585

PRODUCT CODE : \_\_\_\_\_

COLOUR: \_\_\_\_\_

SERIAL NUMBER : \_\_\_\_\_

FULL NAME: \_\_\_\_\_

ADDRESS (LOCATION OF TANK) : \_\_\_\_\_

DAYTIME TELEPHONE NO. \_\_\_\_\_

EMAIL ADDRESS \_\_\_\_\_

DATE OF PURCHASE: \_\_\_\_\_

(Please ensure all fields are completed to ensure validity)