



## IBC Pump POD



## Operation and Maintenance Manual



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Carbon  
Neutral  
Organisation

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## Table of Contents

1	Confidentiality and Copyright .....	3
2	Reference Documents .....	3
3	Introduction .....	3
3.1	Specification .....	5
4	General Health, Safety & Chemical Handling .....	6
4.1	General.....	6
5	Transport & Storage .....	7
6	Installation Instructions.....	9
7	Care & Maintenance .....	13
7.1	Daily Checks .....	13

## 1 Confidentiality and Copyright

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## 2 Reference Documents

Date	Revision	Description	Author
24/2/25	Downloaded	Enclosed-IBC-Bund-Updated-06092023-HR	Polymaster
23/6/25	Downloaded	PEM603, Hand Operated I,M&O Instructions	PBA Safety/Speakman
23/6/25	Downloaded	DTRON Submersible Manual	DAB Online

## 3 Introduction

	<i>Read this manual before installing, operating or servicing this equipment</i>
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It is the user's responsibility to ensure before commencing any work or operating this equipment, the contents of this manual are read, clearly understood and fully complied with.

The IBC Pump POD utilizes the shell of an Enclosed IBC Bund (ENIBCB) by Polymaster

The IBC Pump Pods are designed by Aquatic Engineering Australia to provide water on demand for green field sites providing alternate safe operation of Emergency Showers fitted to our Tridents or DPODS rental assets when permanent potable water is not available to emergency shower. The installed pump can also operate as a booster for lower pressure mains used for lamella wash down maintenance as required.

IBC Pump PODS utilizes –

- Chemical Storage POD
- Pressure Pump &
- IBC 1kL Tank.
- 1 x 25mm S/S Suction Discharge Armored Camlock Hose 6m

Note Included –

- Safety shower
- 240V power supply
- Potable water fill & refill

Made to suit the Australian climate, the Enclosed IBC Bund has been made to a high standard ensuring optimum safety and functionality.

Outstanding features and benefits:

- Built tough using the highest quality materials
- Easy installation (plug and play)
- Fully self-bunded
- Ideal for industrial and commercial IBC storage and handling
- Portable
- Wide variety of applications

### **3.1 Specification**

Please refer to tech data sheet available on our website:

[IBC Pump Pods | Industrial Water & Wastewater Treatment | Aquatic Engineering](#)

## 4 General Health, Safety & Chemical Handling

### 4.1 General

- Do not operate the plant without the proper instructions given inside this manual. This manual contains important information concerning the safe installation and use of this product. Read the manual carefully before installation and use, paying attention to all safety warnings.
- The IBC pump POD is a temporary solution **ONLY** to provide water for the operation of the PEM603 Emergency Deluge Shower and Face Wash combination unit manufactured to comply with AS4775-2007. It is the renter's responsibility to conduct an onsite risk assessment to ensure this meet project needs as it is always recommended & best practice that the PEM603 be connected to an uninterrupted source of potable water, no less than 25mm with a minimum flowing pressure of 130KPa and a maximum static pressure of 860 KPa.
- Always wear the correct personal protective equipment/clothing when setting up equipment.
- Do not undertake any work without completing a risk assessment and preparing Safe Work Method Statements (SWMS).
- When in doubt **ASK**. Consult this manual, a trained operator or Aquatic Engineering Australia Pty Limited. Users of this product are responsible for the safe and correct use of this product
- Any changes to this product, which have been done without consulting the manufacturer, will invalidate all warranties and guarantees.
- The manufacturer & supplier will not be responsible for any accidents or damage caused by incorrect installation or use of this product.
- The components must not be altered or tampered with due to potential risks to personnel.
- It is the responsibility of the end user / customer to ensure appropriate PPE, health and safety measures, safe work practices are employed in conjunction with the use of this product.

- End user must check hoses and fittings prior to use.
- Take care when using product in windy conditions, doors have large surface area and may be hard to control in windy conditions.

## 5 Transport & Storage

- The dry weight of the unit is 350 kgs.
- LIFT & TRANSPORT EMPTY - DO NOT TRANSPORT WITH LIQUID INSIDE.
- LOAD FWD decal will indicate what direction PODs MUST be loaded on transport this ensures windage is less likely to force open doors during transport. Image 1

Image 1 -



- During transport and storage, the doors MUST be tightly closed and secured. E.g doors shrink wrapped or strapped closed (see image 1/2)

Image 2 -



- The IBC Pump POD must be protected against mechanical damage during transport and storage.
- Loading and off-loading must be carried out using only professional equipment, such as crane or hiab utilize suitably rated lifting slings from the top 4 lift/tie points. Or forklift utilizing fork tyre pockets. Note - 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 POD.
- The product must never be pushed or rolled.
- Loading and transport areas must be smooth and free of sharp edges. During transportation,
- The product must be secured to prevent the product from moving utilizing the 4 designated top lift/tie down points. (image 1 or 2)



## 6 Installation Instructions

These instructions should be read in their entirety before commencing installation of the IBC Pump POD.

- A concrete/bitumen solid base is recommended for installation. If this is not possible the station should be installed directly on level, secure and non-combustible base. Minimum 45mm in thickness and extending 300mm on all sides.
- Determine if POD needs to be secured in place in exposed conditions. Do not drill holes in the bund.
- Any penetrations into the housing and/ or cabinet for external plumbing or electrical connections Must be above the bund level (bottom of door opening) and be sealed weatherproof.
- Prior to installing inspect for damage, if damaged do not install.
- Fill IBC tank to top circa 1000-1156L with potable water. (Image 3) there is a 50mm camlock fill point for water carts and/or a hose connection for low pressure/volume potable water connection/fill (image 5)
- Connect the male 25mm camlock outlet (image 4) on the IBC Pump POD with supplied 25mm camlock hose 6m, this hose can be spiral guarded for mechanical protection.
- Connect the discharge end of the hose to the 25mm Female camlock on the emergency shower located on the Trident or DPOD asset.
  - please note: onsite risk assessment is required to ensure suitable protection of this hose from heat/cold and damage)
- Connect 240V plug to suitable power source.
- Test operation by engaging the emergency shower this will cause a pressure drop and the pump will start and operate the shower.
- Ensure power supply is adequate for control measures in place, always check operation prior to any chemical transfers or work near chemicals.

Image 3 -

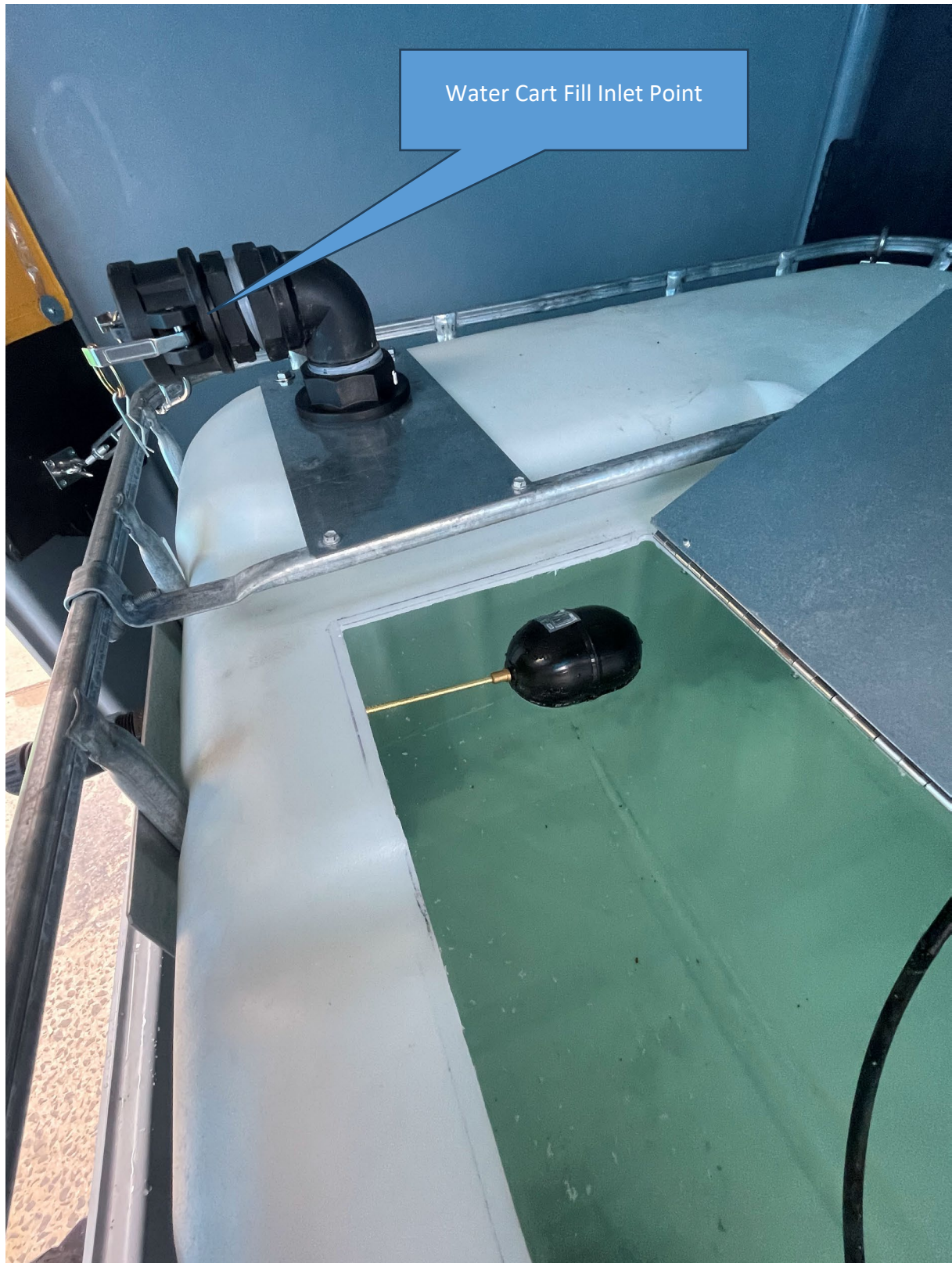




Image 4 –

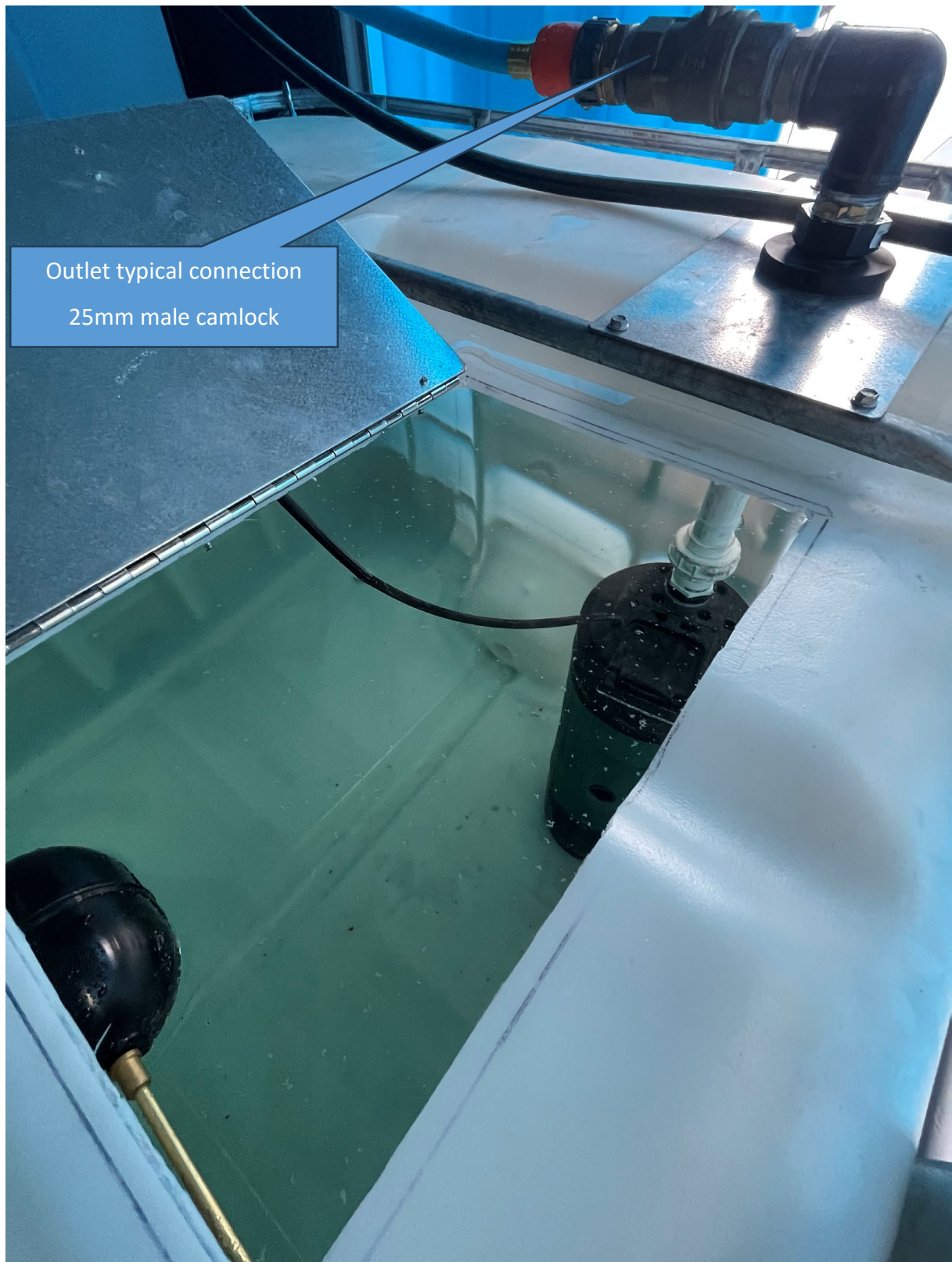




Image 5-



## 7 Care & Maintenance

- Keep all equipment in good working condition.
- A daily check should be carried out on the visual condition of the bund, plumbing connections, devices, and power supply if present.
- During loading take care to position IBC centrally on stand to ensure even load distribution, lower the IBC into position
  - Do Not drag or slide across the load platform.
- Any faults or alarms should be reported immediately.
- Protect against unauthorised access.
- Transport and store the unit so as not to damage the bund floor or walls.
- pre hire inspection include the flushing and super chlorination of IBC tanks prior to each rental.

### 7.1 Daily Checks

Operator checks should be made at regular intervals during the day covering the following:

Dosing & Bund
Visually inspect tank and hose for damage or leaks
Ensure power is available and on and pump is operable.
Check water level in IBC, for extended rental durations implement a chlorination or potable water flushing program to remove any bacterial hazards.