

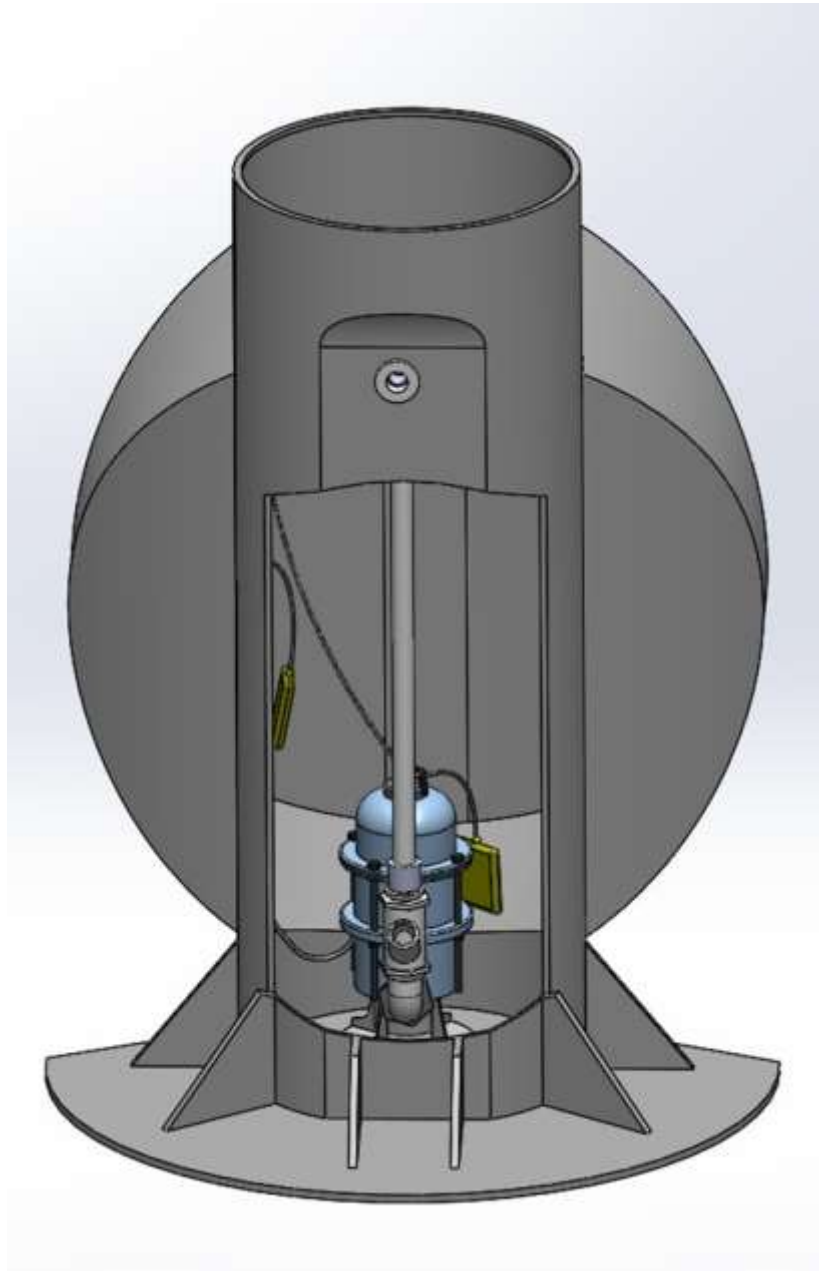


IDEAL TANK & SYSTEM SOLUTIONS

WasteWorx Pump Station OWNERS MANUAL & INSTALLATION INSTRUCTIONS



For Flexible System Design.



WasteWorx Pump Station Owner's Manual

Ph: 09 263 7741, Fax 09 263 7743, 49 McLaughlins Road, Wiri 2104, PO Box 12663 Auckland 1642,

sales@apd.co.nz - www.apd.co.nz



IDEAL TANK & SYSTEM SOLUTIONS

Congratulations on the purchase of a WasteWorx Pump Station. All of our WasteWorx Pump Stations are sized and manufactured to meet your site requirements and to give you an easy installation and provide you with a dependable solution for your wastewater needs.

- WasteWorx Pump Stations are supplied with internal pipework and high level float pre-fitted ready for pump (included) to be connected.
- Grinder or Vortex Pump included to meet site requirements.
- Wall mountable pump controller included, with high level alarm and pump overload protection.
- Made from tough recycled polyethylene that will not rot or corrode
- Unique webbed base design eliminates the need for concrete to be used during installation.
- Supplied with either a sealed plastic lid for lawn installation or adjustable riser for installation of steel man hole cover in concreted / paved area or driveway.



Installation

Best Practice Recommendations

These recommendations have been developed in consultation with Soil and Rock Consultants. They are intended to offer general guidance only. APD and Soil and Rock Consultants accept no responsibility or liability what so ever for the information herein. These recommendations do not cover situations where the ground slope is greater than 1V:5H, the excavation is less than 3m from a boundary, retaining wall or building, the backfill cannot be drained or the tank is not installed under a residential driveway or lawn. In these situations, or if the installation is unusual in any way, or if you have any concerns, you should seek site-specific advice from a suitably qualified professional.

Construction Sequence

1) Excavation

Excavation should be carried out in accordance with the Department of Labour Guidelines. Excavate to the required depth and width for the WasteWorx Pump Station so the chamber will sit level. If the excavation requires benching or saturated or sandy soils are encountered. Specialist geotechnical advice must be sought as to the safety of the excavation regardless of depth.

2) Drainage

Install 100mm diameter punched drainage pipe in bottom corners of excavation and connect to stormwater disposal system or allow to drain.

3) Bedding and Haunching

Compact GAP20 (or approved similar) and form surface in haunching to receive the WasteWorx Pump Station and place a minimum 10mm sand bedding layer.

4) Placing

Place the WasteWorx Pump Station into the haunching ensuring it is level, sits evenly on the bedding at all points, and the manway riser is vertical and fill to 1/3 full with water.

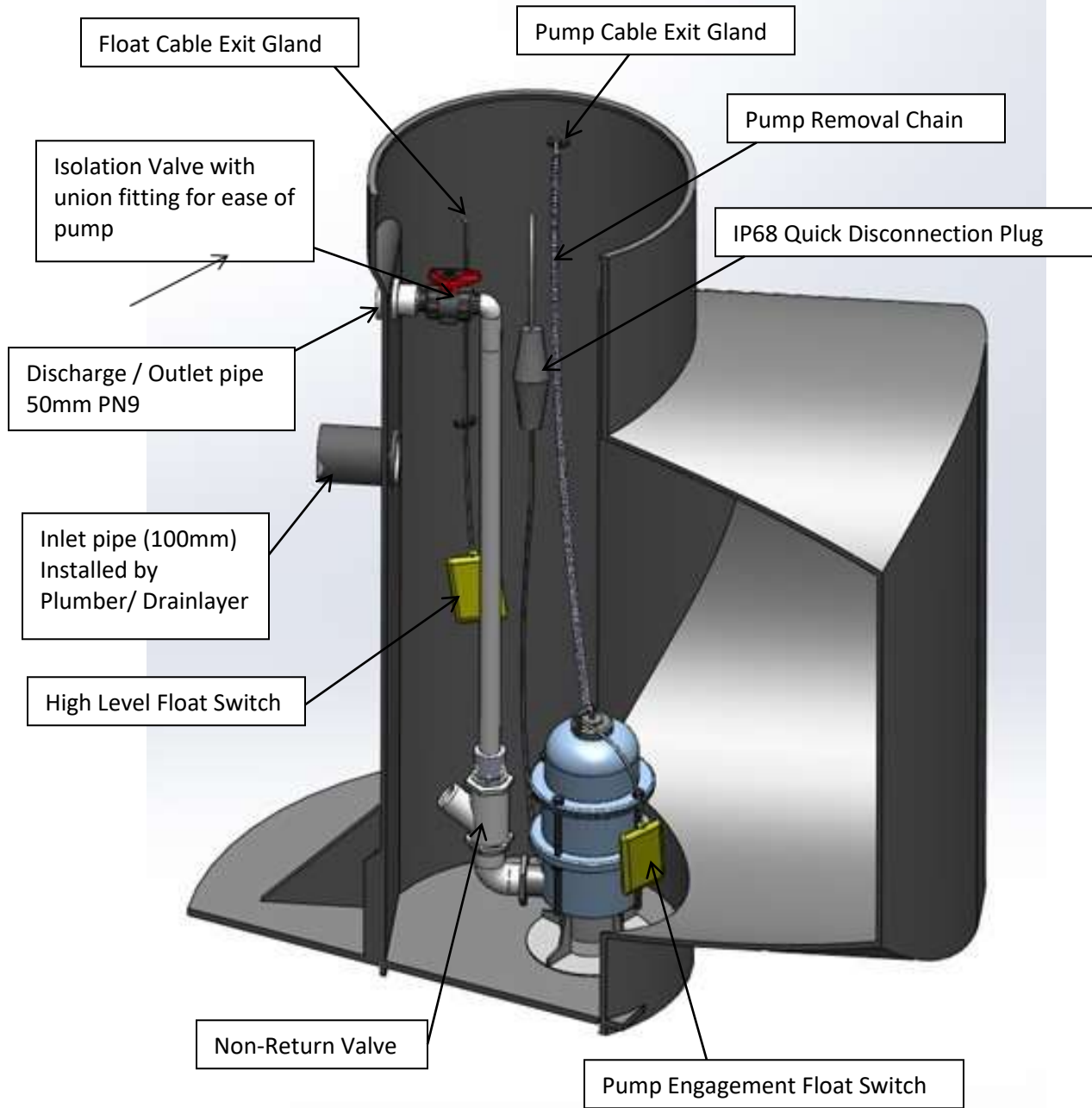
5) Backfill

Backfill evenly around the WasteWorx Pump Station in layers no thicker than 100mm with GAP20. Compaction is to be carried out with hand operated equipment (eg: max 100kg plate compacter). When backfill is halfway up the tank, fill tank to 2/3 full with clean water. Continue backfilling to a minimum of 150mm above the top of the APD tank / (200mm below top of riser)

6) Driveway or Lawn installation

Please refer to drawings on next two pages.

WasteWorx Pump Station Diagram





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Frequently Asked Questions

- **How can I tell if my Pump Station is working properly?**

A: All WasteWorx Pump Stations come with a control panel. If your pump station is working properly you shouldn't notice anything. The pump is activated automatically once the chamber has been filled to a certain level. If there is a problem the red light on top of the control panel will go on and you will hear the audible buzzer as well. If the alarm doesn't turn off after several minutes please phone your service agent.

- **What happens during a power outage?**

A: During a power outage the pump will not be able to operate and the chamber will continue to fill without being emptied by the pump so you will need to minimize water usage until the power is restored. You may notice the high-level alarm being triggered when the system turns back on, this should turn off once the pump has emptied the chamber.

- **What does Pump Overload signal mean on the control panel?**

A: This can sometimes mean there is a blockage, if the alarm doesn't turn off after several minutes please phone your service agent.

- **What do I need to do if I am going away on holiday for a few weeks or more?**

A: Turn on tap and run clean water down the sink until the pump turns on then shut the water off, this will help to purge the chamber of debris that might dry out while you are away. Do not turn off the power to the unit.

- **How loud is the pump?**

A: The pump is about as loud as a dishwasher when it is running, normally you would only hear it if you are within a couple of meters or standing on top of it.

- **What does the pump station cost to run?**

A: Our standard range of pumps will use approximately \$2.00 - \$3.00 worth of electricity per month or \$24.00 - \$36.00 per year based on an average household water usage.