

REWATEC™

Compact Pump Stations



Owner's Manual & Installation Guide

Rewatec Compact Pump Station
RCPS900-S, RCPS900-D, RCPS1350-S, RCPS1350-D

Manual Version OMI021 Rev 2

Created On: June 2022



**Installers: To Safeguard Warranty Please
Ensure You Are Using The Latest
Installation Manual**

Customer Checklist

Complete Installation Record



Page 4

See Maintenance Schedule



Page 5

Complete Warranty



Page 7

Familiarise Yourself With This Document



Page 8

Installation Record

Please record details of your Compact Pump Station installation here and keep this document in a safe place.

Unit Installed (Please Tick)

RCPS900-S-L RCPS900-D-L RCPS1350-S-L RCPS1350-D-L

Optional Items Installed (Please Tick)

High Level Alarm Full Control Panel

Serial Number:

Commissioning

Date:

Commissioning Company

Name: -----

Address: -----

Contact: -----

Service Company

Name: -----

Address: -----

Contact: -----

If you require assistance finding a service company, please contact Premier Tech. Your warranty is invalidated if you do not keep to a regular servicing schedule.

PT Water and Environment
Ireland

Quartertown Industrial Estate
Mallow
County Cork
IRELAND
P51 PY20
+353 (0) 22 51411
sales.ptwe.ie@premiertech.com
Premiertechaqua.com/en-ie



Rewatec Maintenance Schedule

Details of servicing & maintenance requirements are located within this manual. Please use this page to record your tanks services and maintenance.

Your warranty is invalidated if you do not keep to a regular servicing schedule.

6 Month Check

Date:

Servicing Company:

Notes:

12 Month Check

Date:

Servicing Company:

Notes:

18 Month Check

Date:

Servicing Company:

Notes:

24 Month Check

Date:

Servicing Company:

Notes:

30 Month Check

Date:

Servicing Company:

Notes:

36 Month Check

Date:

Servicing Company:

Notes:

42 Month Check

Date:

Servicing Company:

Notes:

48 Month Check

Date:

Servicing Company:

Notes:

Rewatec Maintenance Schedule

54 Month Check

Date:

Servicing Company:

Notes:

60 Month Check

Date:

Servicing Company:

Notes:

66 Month Check

Date:

Servicing Company:

Notes:

72 Month Check

Date:

Servicing Company:

Notes:

78 Month Check

Date:

Servicing Company:

Notes:

84 Month Check

Date:

Servicing Company:

Notes:

90 Month Check

Date:

Servicing Company:

Notes:

96 Month Check

Date:

Servicing Company:

Notes:

Thank you for purchasing a Rewatec pump stations



25 Year Shell Warranty

1 Year Technology Warrant

Please Register Your
Warranty Online Now

Warranty Registration



[https://www.premiertechnaqua.com/en-
ie/warranty-activation](https://www.premiertechnaqua.com/en-ie/warranty-activation)

Premier Tech guarantee the GRP structure of the pump chamber when installed by an approved installer in strict accordance with the installation guidelines. Warranty periods as follows:

- GRP Shell for a period of 25 years.
- Internal Pipework including valves for a period of 1 year.
- Mechanical & Electrical items for a period of 1 year.

Warranty will be invalid if the following maintenance requirements are not adhered to:

Weekly – (This operation can be carried out by the owner).

Check the operation of the unit. With the unit running, remove access cover and confirm that the level of effluent in the pumping chamber is below the inlet pipe. Confirm operation of the pump(s) by waiting for it to start when the float switch becomes vertical.

6 Monthly – (This operation is to be carried out by a service provider).

Check the condition of the pump(s). Switch the power supply off at the control panel or socket. Remove each pump in turn. Remove the impellor guard. Care- fully remove any accumulations of debris with the assistance of a hose if available. Replace any damaged components eg. Impellor, guard etc. Pay particular attention to the non-return valve(s) and ascertain their correct operation. If in doubt, replacement of these items is recommended. Re-assemble in reverse order to the above. On completion, turn the station back on.

Failure to comply with the above Terms and Conditions will invalidate the warranty.

Premier Tech Water & Environment Ireland accepts no liability for any damage or loss, including consequential loss, caused by the failure of any equipment supplied.

Premier Tech Water & Environment Ireland warranty does not cover third party labour costs, installation costs (direct or indirect) and indirect or consequential damages in connection with such tanks.

Contents

Installation Instructions	10
Tank Installation	11
Electrical Installation	12
Pump Information	14

Installation Instructions

Care has to be given on selecting the right location for the pumping station and how the final effluent is discharged. The contractor should ensure the pump(s) and associated equipment have not been damaged during transport. The contractor is responsible for offloading all items of equipment with due regard to the following:

- DO NOT lift the tank if it contains water.
- DO NOT subject the unit to sharp impacts.

The lifting procedures outlined above have been developed to ensure the safe handling of the unit. Failure to comply may result in damage to the unit and/or injury to personnel. When working in deep excavations, ensure all necessary safety precautions are taken to provide safe working conditions for site personnel. The only time anyone needs to be working at the bottom of the excavation is when levelling the base and ensuring that the first back-fill is correctly placed.

- NEVER wholly fill the sump with water before surrounding it in concrete.
- NEVER partly or wholly surround the sump with concrete before filling it.

Do not use vibrating pokers to compact the concrete. Facility must be provided for cable entry into the unit, through the cable grommets which will be already in place. The electrician responsible for the wiring should be consulted, to ensure a correctly sized duct is provided.

The installer is responsible for determining the concrete thickness and strength required for the actual ground conditions; taking into account water table level and traffic loadings.

The installation should be carried out in accordance with the requirements of the Construction and Building Regulations along with local Health & Safety regulations.

Tank Installation

During the course of the installation, the following minimum equipment will be required:

- Normal Construction equipment and systems.
- Concrete to 20 N/mm and 30-50mm slump
- An Adequate supply of fresh water to fill the chamber at the same rate as backfilling.
- De-watering equipment as necessary.
- Lifting straps or ropes of the correct length and adequate safe working load.

The following instructions are offered for guidance only. It remains the responsibility of the contractor to ensure the correct installation of the plant.

- Check the drain invert depth and mark up the pump tank the orientation and position that the inlet grommet needs to be installed in the pump tank.
- Before drilling the inlet into the tank, please review our separate inlet installation sheet and ensure the position is in line with the drain invert.
- Inspect the tank for damage before installation.
- Excavate at least 400mm wider than the tank with additional allowance for planking, strutting and hard-core bed. Form a well point for pumping ground water if necessary.
- Lay at least 150mm of hard-core over the bottom of the hole and line excavation with polyethylene sheet.
- Bed tank on wet concrete and haunch up, ensuring at least 150mm is left below tank base.
- Line up tank connections. Ensure that the tank is upright and that the inlet connection is in the correct position.
- Backfill to invert depth with concrete and fill the tank with water to keep pace with backfill. Work evenly all around the tank. Do not use vibrating pokers. Do not discharge concrete directly onto the tank.
- Align and connect all pipework and cable ducting. Build concrete around the neck to 150mm-200mm thickness before completing back-filling with suitable material.
- Construct concrete biscuit / brick form above the manway opening for cover and frame installation.
- Ensure the debris is removed from the pump tank.

Electrical Installation

Premier Tech Rewatec Compact Pump Station requires a single phase electrical supply for the electrical equipment's. The electrical installation of the equipment is dependent on which product you have selected. Please see the following:

RCPS900:

Premier Tech RCPS900 pump station range will be supplied with either 1 or 2 pumps. The pumps will be freestanding and already supplied and fitted within the pump chamber. Each pump will come with 10 meters of cable as standard (3 core 1mm²). The different options of setting up the pumps are as follows:

- A qualified electrician can wire a standard 3 pin plug to each pump cable. The 3 pin plug can then be plugged directly into a socket (either inside a building or a suitable external plug).
- A qualified electrician can wire each pump into a 13 Amp Fused Spur.
- If an optional high level alarm or full control panel was purchased, then please refer to the high level alarm and full control panel section below.

RCPS1350:

Premier Tech RCPS1350 pump station range will be supplied with either 1 or 2 pumps. The pump(s) will be pedestal mounted and supplied loose. Once the tank has been correctly installed, each pump should be lowered down their guiderails and into position; using the lifting chain to aid this process. Each pump will come with 10 meters of cable as standard (3 core 1mm²). The different options of setting up the pumps are as follows:

- A qualified electrician can wire a standard 3 pin plug to each pump cable. The 3 pin plug can then be plugged directly into a socket (either inside a building or a suitable external plug).
- A qualified electrician can wire each pump into a 13 Amp Fused Spur.
- If an optional high level alarm or full control panel was purchased, then please refer to the high level alarm and full control panel section below.

Optional High Level Alarm:

- The supplied float switch will need to wire into the high level alarm panel (again by a qualified electrician).
- A single phase electrical supply will need to feed the high level alarm panel.
- The high level alarm will need to be housed in a weather proof building / kiosk.
- Please refer to our separate high level alarm panel datasheet.

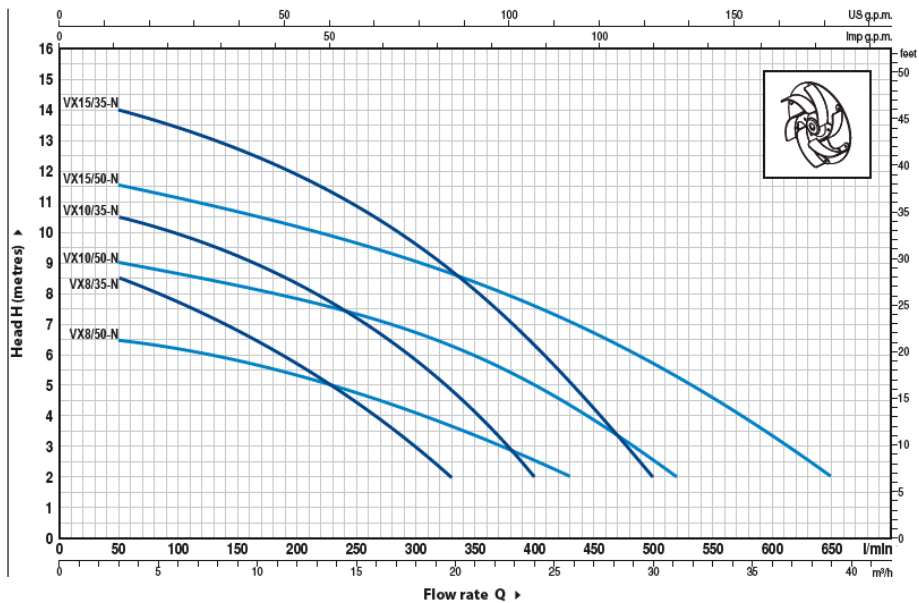
Optional Full Control Panel:

- The pump(s) and all float switches will need to wire into the control panel (again by a qualified electrician).
- A single phase electrical supply will need to feed the control panel.
- Using the supplied cable ties, tie up the pump(s) in built float switches in a vertical position.
- The high level alarm will need to be housed in a weather proof building / kiosk.
- Please refer to our separate control panel datasheet.

Pump Information

The Rewatec Compact Pump Station that you have purchased has been supplied with 1 or 2 no Pedrollo VXm 10–50 single phase pumps.

Please see the following pump curve and pump electrical information.



- Pump Type: 50mm Vortex
- Electrical Supply: 230V – 50Hz
- Power: 0.75kW – 1HP
- Voltage: 5.0A
- Cable Length: 10.0m
- Power Cable: H07 RN-F
- Weight: 14.3Kg

