



Installation guide
and owner's manual

REWATEC™

Holding tank



Certified to
BNQ 3682-901



Made in
Canada

This guide provides information regarding the installation, operation, maintenance, and warranty of the **Rewatec™ holding tank from Premier Tech.**

For additional information, contact Premier Tech at **1-800-632-6356**.

1. Technical data

Material

Medium-density polyethylene (MDPE) plastic

Certification

- **BNQ** (Québec Standards Bureau) NQ 3682-901/2008
- **CSA** (Canadian Standard Association) B66-10 for model PHT-660 only

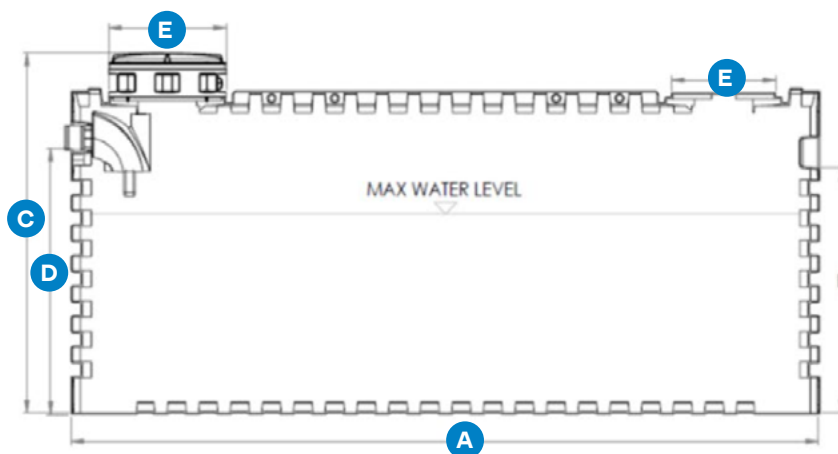
Characteristics

	Models	
	PHT-390	PHT-660
Nominal total capacity	3,9 m ³ 3 900 L (860 gal. imp. — 1 030 gal. US)	6,65 m ³ 6 650 L (1 460 gal. imp. — 1 760 gal. US)
Liquid capacity	3,45 m ³ 3 450 L (755 gal. imp. — 910 gal. US)	5,9 m ³ 5 900 L (1 300 gal. imp. — 1 550 gal. US)
Capacity at 75% liquid (alarm level)	2,6 m ³ 2 600 L (565 gal. imp. — 680 gal. US)	4,4 m ³ 4 400 L (975 gal. imp. — 1 160 gal. US)
Total length	A 3 320 mm (130-1/2")	3 965 mm (156")
Total width	B 1 250 mm (49-1/4")	1 330 mm (52-3/8")
Total height	C 1 490 mm (58-5/8")	1 890 mm (74-3/8")
Inlet height*	D 1 055 mm (41-1/2")	1 400 mm (55-1/8")
Opening diameter	E 470 mm (18-1/2")	470 mm (18-1/2")
Approximate weight**	210 kg (463 lb)	350 kg (772 lb)

* Pipe invert.

** Weights indicated are approximate and not binding (for handling and lifting purposes only).

Note: The characteristics can be modified at any time.



2. Sizing and Location

For residential systems, determine the size of the holding tank required according to the number of bedrooms in the residence. To determine which tank is required, refer to the regulations or standards that apply in your region, state, province or country (the same applies for the installation).

To reduce tank emptying frequency, we recommend using a larger holding tank than required. This also allows for the possible addition of extra bedrooms without having to replace the existing holding tank.

Location standards

Please refer to your local regulations for minimum distances.

3. Operation Guidelines

The following recommendations are intended to ensure the optimum efficiency and operation of your holding tank as well as maintain it in proper working order.



It is **not recommended** to discharge any of the following substances into your holding tank:

- Oil or grease (engine oil, cooking oil, etc.);
- Wax and resins;
- Paints and solvents;
- Any kind of petroleum product;
- Any kind of pesticide;
- Any kind of septic tank additive;
- Any kind of toxic substance.

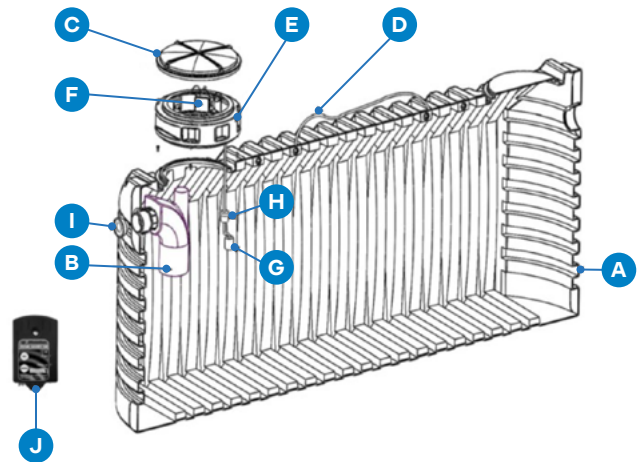
It is important that all parties involved (installer, landscaper, owner, snow removal service, etc.) comply with the following guidelines:

- Never install a holding tank in a place where the groundwater table can reach its base (otherwise, drain pipes could be required).
- Never install a holding tank in clayey soil.
- The profile of the lot must be such that surface run off flows away from the holding tank.
- The holding tank must be watertight and be used for disposal of domestic wastewater only.
- Never connect a drain pipe, roof gutter, sump pump or air conditioning drain to your holding tank.
- Never cover or bury the access lid of the holding tank. Access to the tank must be available at all times for emptying and maintenance.
- Respect the minimal distances prescribed by regulations.
- Backfill thickness over the holding tank must not exceed 90 cm (36").
- Never enter the holding tank.
- Never operate vehicles or place objects weighing over 200 kg (450 lb) within 3 m (9,10') of the lid.
- Never overload the soil within 3 m (9,10') of the holding tank (ex: blown snow, embankment/slope), the overload could damage the tank.
- The home must be equipped with an air vent that is in proper working order and complies with the applicable standards.
- Ensure rapid growth of vegetation to prevent soil erosion.

4. Components of the rewaterc holding tank

At delivery, make sure that all the following components are included:

A	1 polyethylene tank
B	1 inlet device
C	1 lid attached to the access hole with lag screws
D	1 polypropylene rope attached on the top of the holding tank for handling purposes
E	1 riser PSR-060
F	1 electric junction box
G	1 float
H	1 level adjustment system (cable weight)
I	1 installation guide and 1 owner's manual
J	1 alarm box

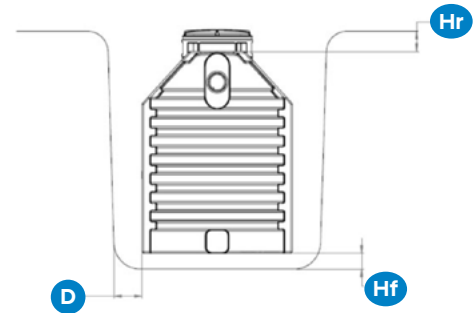


5. Installation Procedure

Step 1 - Excavation

Specific Requirements

- Soil backfill thickness covering the holding tank:
Hr ≥ 30 cm (12") and Hr ≤ 90 cm (36").
- Clearance between the excavation and the holding tank:
D ≥ 30 cm (12") on all sides.
- Minimum thickness of the bedding (Hf): Minimum 15 cm (6") in loose soil or Minimum 30 cm (12") in bedrock.



Note regarding the bedding: Use well compacted and levelled 0-20 mm (0-3/4") Ø gravel or sand.

Step 2A - Installing with an anchoring system (optional)

An anchoring system can be installed to prevent problems if the water table temporarily and exceptionally rises above the base of the holding tank. This option is strongly recommended, but is a preventive measure with limitations. The water table level should never rise above the first third of the holding tank's height.

1. Level and compact the material used for the base.
2. Put the concrete counterweight in place (not included).
See table at the next page for required weight.
3. Add a 20 cm (8") layer of backfill material.
4. Level and compact the backfill material.
5. Manoeuvre the tank using the rope on top.
6. Put the holding tank in place.
7. Install the retainer straps as shown (not included).

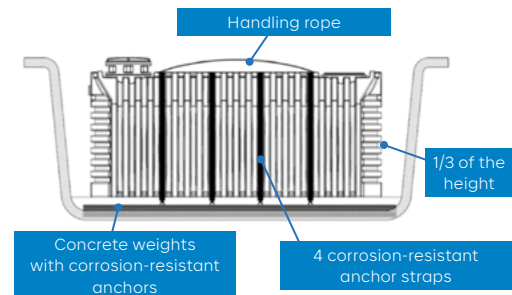


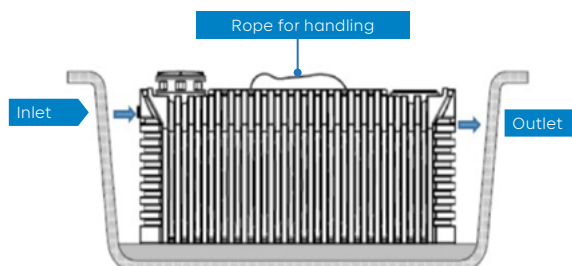
Table showing the load of the holding tank's anchoring system

Tank model	Resistance/Strap	Total weight of concrete
PHT-390	1 000 kg (2 200 lbs)	3 400 kg (7 480 lbs)
PHT-660	1 000 kg (2 200 lbs)	5 700 kg (12 540 lbs)

Note: Use only non-corrosive materials.

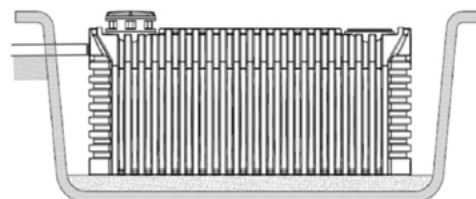
Step 2B - Bedding preparation and tank placing

1. Level and compact the material used for the base.
2. Handle the holding tank using the rope on the top.
3. Put the holding tank in place.
4. Make sure to put the inlet and outlet in the right place.



Step 3 - Connecting the holding tank

1. Hook up the plumbing connections at the inlet of the holding tank.
2. All holding tanks must be ventilated using a pipe at least 100 mm (4") in diameter or one that is connected to the dwelling's ventilation pipe.

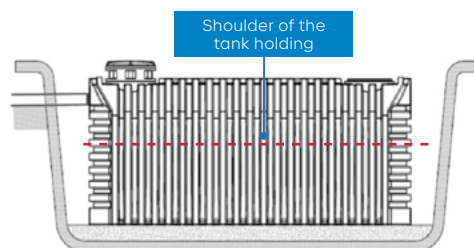


Step 4 - Initial backfill

Backfill up to the shoulder of the holding tank.

1. Note that the backfill material must be deposited and not dumped. As such, a bulldozer should not be used.
2. The backfill material must not contain any organic matter or impervious soil, stones, debris or particles larger than 20 mm (3/4") or any object that could damage the holding tank.

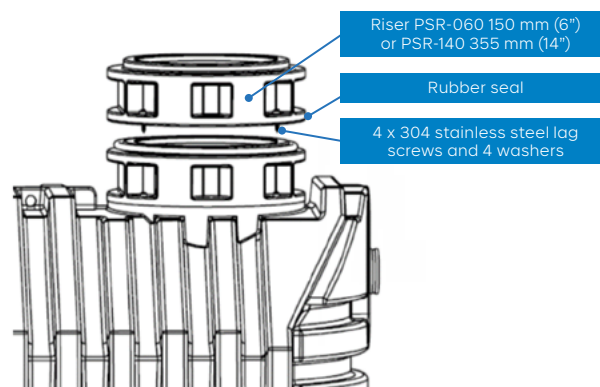
Note: It is essential to backfill evenly each side of the holding tank.



Step 5 - Extra riser installation

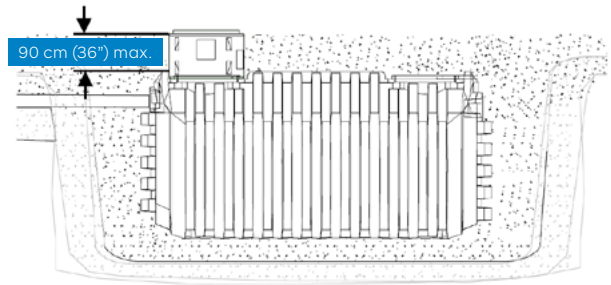
Proceed as follows to install an extra riser:

1. Clean the rim of the holding tank access (where the 4 holes are located for the lag screws).
2. Place the rubber seal on the access rim.
3. Put the riser in place, aligning the holes in the base of the riser with the cavities of the riser preassembled on the tank.
4. Tighten the riser in place using the 4 lag screws and washers provided for this purpose.



Step 6 - Final backfill

1. Before the final backfill, it is strongly recommended that the holding tank and access be insulated to prevent freezing. Insulating panels should be used for this purpose.
2. Backfill up to the desired level.
3. The thickness of the backfill over the holding tank must not exceed 90 cm (36").
4. The PSR-060 riser is provided and must be used.
5. Secure the lid onto the holding tank or onto the riser using the supplied lag screws.



Step 7 - Connecting a high-level float

A high-level float is provided inside the holding tank. It sends a warning that the tank is almost full and must be emptied as soon as possible. The high-level float must be connected to an audible and visual alarm, preferably inside the residence. Connect the electric wires to the float inside the holding tank using the supplied junction box as well as the alarm box inside the residence.

6. Maintenance

A holding tank must be inspected every year and emptied when required. However, if a municipality, province, state or country has adopted regulations governing the holding tank emptying, consult the authorities for prescribed inspections and emptying frequency.

7. What to do if...

7.1 Flooding

Certain sites are prone to flooding or to rises in groundwater levels. This can lead to a malfunction in your holding tank or alter the performance of your holding tank. If this happens, contact Premier Tech at +1 800 632-6356.

7.2 Backflow

Backflow rarely occurs into a residence. If it happens, the holding tank may be full, in which case, it needs to be emptied. If backflow is caused by associated piping, have them checked by an expert in the field to make sure they are not blocked.

It may also be that the high-level float is defective and did not trigger the warning signal that the holding tank must be emptied. Have it checked by an expert in the field.

7.3 Odours

All septic systems are apt to generate gases and odours. The position of the air vent, as well as other factors unrelated to your holding tank can prevent septic gases from dispersing properly and lead to odours. If this happens, contact Premier Tech at +1 800 632-6356.

7.4 Winter closing your residence

If you close your residence (i.e. close the circuit-breaker) during winter where freezing is more likely, you must contact Premier Tech at +1 800 632-6356 to get help establishing the appropriate procedure. In doing so, you will ensure a longer life for your holding tank.

7.5 Alarm triggered

An alarm will be triggered in the alarm box installed inside your residence when the liquid level will reach 75% of the holding tank's capacity. You must contact your service partner or septic tank cleaner as soon as possible to have the tank emptied and avoid the risks of having a full tank.

For any questions, please contact Premier Tech at +1 800 632-6356



PT Water and Environment

+1 800 632-6356
info.ptwe.na@premiertech.com
PT-WaterEnvironment.com



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Certificate of warranty for the Premier Tech high performance holding tanks

1. PREAMBLE

Premier Tech Technologies Ltd. (hereinafter called "Premier Tech") is proud to provide its customers with this warranty, which applies to the PHT-390 and PHT-660 **holding tanks** (hereinafter called "**Holding Tank**").

For the purposes of this warranty, "Customer" shall mean the person who has acquired a **holding tank** (hereinafter called "Initial Purchaser"), as well as any subsequent purchaser (hereinafter called "Subsequent Purchaser(s)"), according to the provisions of section 8 of this warranty. "Successor(s)" shall mean any other person entitled to exercise the Customer's rights under the law.

2. NATURE OF THE WARRANTY

The following warranty is conditional to and only applies if the **Holding Tank** has been installed according to the installation, maintenance and operation instructions as described in the Installation Guide/Owner's Manual.

2.1. Polyethylene reservoir

Premier Tech warrants the **Holding Tank**'s polyethylene reservoir (parts only) against any manufacturing defect for a period of five (5) years from its date of purchase (proof of purchase required).

2.2. Other components

Premier Tech also warrants all other components of the **Holding Tank** (parts only) against any manufacturing defect for a period of two (2) years from its date of purchase (proof of purchase required).

This conventional warranty is offered by Premier Tech to its customers in addition to the legal warranties, and is expressly limited to the text of this certificate.

3. NOTICE

For this warranty to be valid, the Customer must notify Premier Tech in writing immediately upon the appearance of any indication of an anomaly or irregularity in the **Holding Tank**.

Such notice must be given by mail to Premier Tech's Head Office at 1, Premier Avenue, Rivière-du-Loup, Québec, G5R 6C1, CANADA or by fax at 418 862-6642.

Upon receipt of this notice, Premier Tech will analyze the situation and, if necessary, take the appropriate corrective measures in accordance with the terms of this warranty.

4. GENERAL EXCLUSIONS

The following damages or problems are excluded from the warranty:

- a) Any **Holding Tank** emptying charges incurred to execute the present warranty. These costs shall be assumed by the Customer according to the rates in effect at the time this warranty is executed;
- b) All transportation, shipping and manpower costs incurred to execute this warranty. These costs shall be assumed by the Customer according to the rates in effect at the time this warranty is executed;
- c) Any damage or problem caused by a fortuitous event or force majeure, such as, without limiting the generality of the foregoing, earthquake, flood, hurricane, landslide, explosion or dynamiting;
- d) Any damage or problem caused by the fault or actions of a third party;
- e) Any damage or problem arising from a defective installation of the **Holding Tank** and/or any product upstream or downstream of said tank;
- f) Any damage or problem arising from any installation, modification, correction or addition to the **Holding Tank** carried out after its installation without Premier Tech's prior written approval;
- g) Any damage or problem, if it is found that the installation, maintenance or usage of the **Holding Tank** were not performed according to the instructions described in the Installation Guide/Owner's Manual;
- h) Any damage or problem caused by the fault or actions of the Customer or the Customer's Successors;
- i) Any damage or problem, if it is found that the Customer or the Customer's Successors have modified or changed the use or purpose of the property serviced by the **Holding Tank**, which then results in the alteration of the nature or quality of the water being treated and/or that constitutes a violation of the applicable regulations;
- j) Any damage or problem caused by work rendered necessary to access the **Holding Tank**, such as, but without limiting to the generality of the foregoing, excavation, snow removal or demolition.

5. PARTICULAR EXCLUSIONS

It is further expressly understood that the Customer may not carry out or cause to be carried out any repair or verification of the **Holding Tank**, its parts and components, or attempt to carry out any work or to apply any corrective measures whatsoever to said work, before notifying Premier Tech in accordance with the provisions of section 3 of this warranty and before Premier Tech has visited the site within a reasonable time following receipt of said notice to assess the situation.

If the installation is not performed by an installer trained by Premier Tech or if the Customer carries out or causes to be carried out repairs, or attempts to repair or to apply corrective measures of any kind whatsoever to the **Holding Tank**, its parts and/or components, without prior authorization by Premier Tech, Premier Tech shall consider this warranty null and void and shall be considered completely discharged from any and all of its obligations under this warranty.

6. INDEMNITIES AND DAMAGES

Subject to the application of the provisions and exclusions provided for in this Warranty, Premier Tech's liability and obligations regarding any corrective measure carried out or any attempt to correct an indicated problem shall be limited to supplying a new **Holding Tank** or one or several parts/components of the **Holding Tank**.

7. LIMITATION OF LIABILITY

Premier Tech's compensation or indemnification liability shall be limited to the provisions of section 6 of this certificate of warranty and Premier Tech shall not be held liable for any other damage or loss that may have been suffered or incurred by the Customer or any third party in connection with the **Holding Tank**, its parts and/or components or which originate thereof.

No additional warranty, express or implied, hence excluding any direct or indirect consequential damages (not limited to but including third party's loss) concerning the design, sale or use of the **Holding Tank** and/or services provided by Premier Tech is hereby granted. Premier Tech's liability under its warranty obligation shall in no case exceed the cost of the **Holding Tank**.

8. TRANSFER OF OWNERSHIP

In the event of transfer of ownership, sale, assignment or any other type of disposition of the Customer's property to a third party, this warranty shall continue to apply. The party proceeding with the transfer, sale, assignment or any other type of disposition of the property undertakes to hand over to the Subsequent Purchaser or the Successor the warranty certificate remitted upon completion of the work, as well as the Installation Guide/Owner's Manual.

9. INSPECTION

The Customer and/or the Customer's Successors shall allow Premier Tech or one of its duly authorized representatives to carry out all necessary monitoring and inspection as required for the implementation of this warranty.

10. INTERPRETATION

The terms of this warranty shall be interpreted and governed by the laws in force in the Province of Quebec and the provisions of this warranty.

11. PRIORITY OF THE CERTIFICATE OF WARRANTY

This warranty supersedes any contract or understanding, written or verbal, entered into between the Customer and Premier Tech. In case of contradiction between this warranty and any other documents and/or contracts entered into between the Customer and Premier Tech, this warranty shall prevail.

12. SUBSEQUENT PURCHASERS AND SUCCESSORS

Subject to the provisions of this warranty, this warranty shall continue to apply to Subsequent Purchasers and the Customer's Successors and shall continue to have full effect until the end of the agreed warranty period provided for in section 2 of this certificate.