PREMIER TECH

Guide for professionals

REWATEC™

Rainwater harvesters

People and Technologies making a difference

Premier Tech brings to life products that help feed, protect, and improve our world.

- **founded in 1923**
- **family business**
- **2,420 team members in North America**
- **4,700 team members worldwide**
- **24 manufacturing facilities in North America**
- **47 factories in 27 countries**

Through its Water and Environment business group, Premier Tech designs and manufactures sustainable local solutions for:

Wastewater treatment

Residential

Commercial and community

Rainwater harvesting

Residential

Commercial and community

Together, we make green technologies accessible and continuously innovate to create solutions that last.

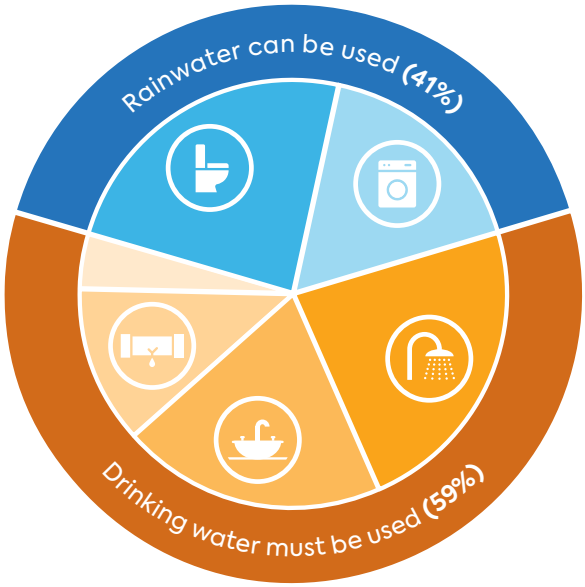
The Rewatec rainwater harvester conserves drinking water resources

Fresh water represents just 3% of the water available on the planet. It faces many challenges, including increased consumption and watercourse pollution.

Climate change is another concern. Severe droughts are now a reality in many areas. Water scarcity and summertime restrictions are common.

Harvested rainwater is a solution. It conserves precious drinking water by replacing up to 41% of a household's indoor consumption.

POTENTIAL DRINKING WATER SAVINGS*



- **24%** Toilet
- **17%** Washing machine
- **23%** Bath and shower
- **20%** Faucets and dishwasher
- **12%** Leaks
- **4%** Other**

* Based on average annual household consumption in Canada.

** Includes evaporative cooling, humidifying, water softening, and other non-categorized indoor uses.

Reference: https://www.mamh.gouv.qc.ca/infrastructures/campagne-mon-empreinte-bleue/trucs-et-astuces

Toilets use up to 70% less drinking water when the Rewatec rainwater harvester is used for commercial and community projects.

Belœil Leisure Centre Project, 2018 study by the Water Technologies Centre

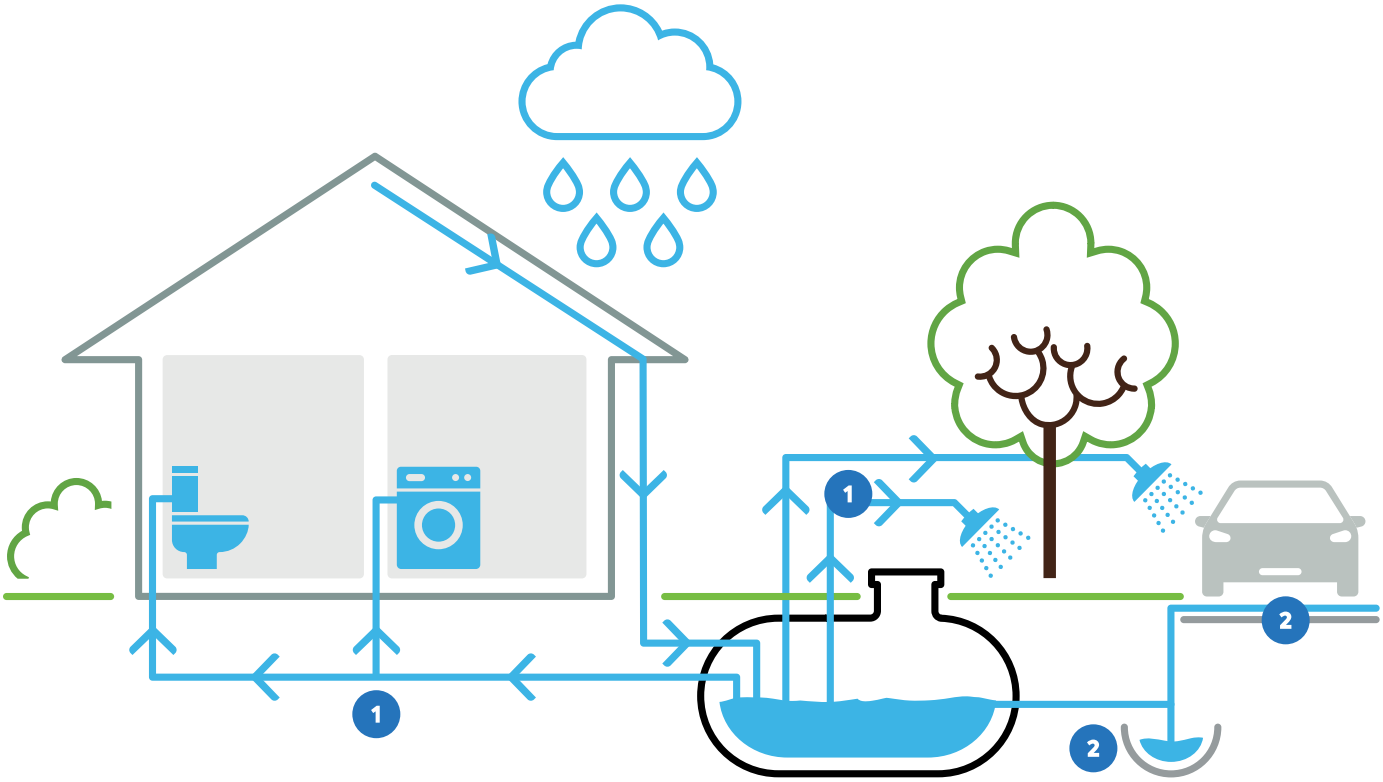
The benefits of rainwater management

1 WHY USE RAINWATER?

- Conserve drinking water for essential needs, such as drinking, cooking, and bathing.
- Use a free resource that is ideal for watering plants.
- Get an average of 21 days of autonomy during periods of water restrictions.

2 WHY CONTROL THE FLOW OF RAINWATER?

- Reduce the burden on municipal networks that collect rainwater.
- Prevent overflows in collection networks after heavy rainfalls.
- Replenish water tables by allowing excess amounts of harvested rainwater to infiltrate into the ground.



REWATEC™

The eco-responsible solution that reduces drinking water use

They say that water is blue gold. Help your customers make the most of every drop with the Rewatec rainwater harvester. Collected water can be used for:

Outdoor use

Outdoor and indoor use

CONSERVES DRINKING WATER

Reduces drinking water consumption by up to 41%.

FOR ALL PROPERTY TYPES

Ideal for existing properties and new constructions.

INCREASES WATER AUTONOMY

Up to 21 days of autonomy during periods of water restrictions (with normal use).

WORKS ALL YEAR ROUND

Collect and use rainwater 12 months a year.

EASY TO USE

Automatically switches to municipal or well water when the tank is empty.

DISCREET

The tank is buried.
Only the lid is visible.

REAL-TIME TRACKING

A meter monitors the amount of rainwater consumed.

Tell your customers about these benefits

- a **$500 mail-in rebate** from Premier Tech for installing a Rewatec rainwater harvester and an Ecoflo biofilter at the same time
- **incentives or rebates** from certain municipalities
- points that can be used for LEED certification, which provides **financial benefits from mortgage lenders and the Canada Mortgage and Housing Corporation**

The Rewatec rainwater harvester is a simple and reliable solution backed by Premier Tech's global expertise.

QUICK AND EASY INSTALLATION

- ready-to-assemble kits
- tool-free assembly
- lightweight tanks are easy to handle on site

ROBUST DESIGN

- suitable for all soil conditions
- can be installed in groundwater
- can be installed under parking areas

A MODEL FOR EVERY NEED

- kits for indoor and outdoor use or outdoor use
- residential tanks from 3,000 to 7,000 L
- commercial tanks up to 50,000 L

PEACE OF MIND

- built to last
- 10-year warranty for tanks
- high-performance filter basket inside tanks

System selection guide

We make it easy to choose the Rewatec rainwater harvester that best meets your customer's needs.

1 SELECT THE TANK

Three sizes available

- design inspired by nature
- supports up to 2,200 kg per vehicle axle
- burial depth up to 1.2 m

3,000 L (680 US gal)

5,000 L (1,135 US gal)

7,000 L (1,590 US gal)

2 SELECT THE KIT

Two kits available

- Kit 1: Outdoor use
- Kit 2: Indoor and outdoor use

READY TO ASSEMBLE

TOOL-FREE ASSEMBLY

EVERYTHING INCLUDED

Tank selection guide

Factors to consider:

Rainwater harvesting potential

- roof surface area
- annual rainfall

Household needs

- outdoor watering surface area
- number of people in the home

OUTDOOR USE

Roof surface area in m² (ft²)	Watering surface area in m² (ft²)						
	93 (1,000)	140 (1,500)	186 (2,000)	465 (5,000)	930 (10,000)	1,486 (16,000)	2,973 (32,000)
46 (500)	3,000 L (680 US gal)						
93 (1,000)	3,000 L (680 US gal)			5,000 L (1,135 US gal)	5,000 L (1,135 US gal)		
140 (1,500)					7,000 L (1,590 US gal)		
186 (2,000)					Higher capacity tank*		
232 (2,500)							

INDOOR AND OUTDOOR USE

Roof surface area in m² (ft²)	Watering surface area in m² (ft²)						
	93 (1,000)	140 (1,500)	186 (2,000)	465 (5,000)	930 (10,000)	1,486 (16,000)	2,973 (32,000)
46 (500)	3,000 L (680 US gal)						
93 (1,000)	5,000 L (1,135 US gal)						
140 (1,500)	5,000 L (1,135 US gal)			7,000 L (1,590 US gal)			
186 (2,000)				7,000 L (1,590 US gal)	Higher capacity tank*		
232 (2,500)							

Based on an average annual rainfall of 760 mm in the province of Québec.
Estimates assume a four-person household and 21 days of water autonomy.

* Available upon request. Please contact us at +1 800 632-6356, ext. 17046.

KIT 1

Outdoor use

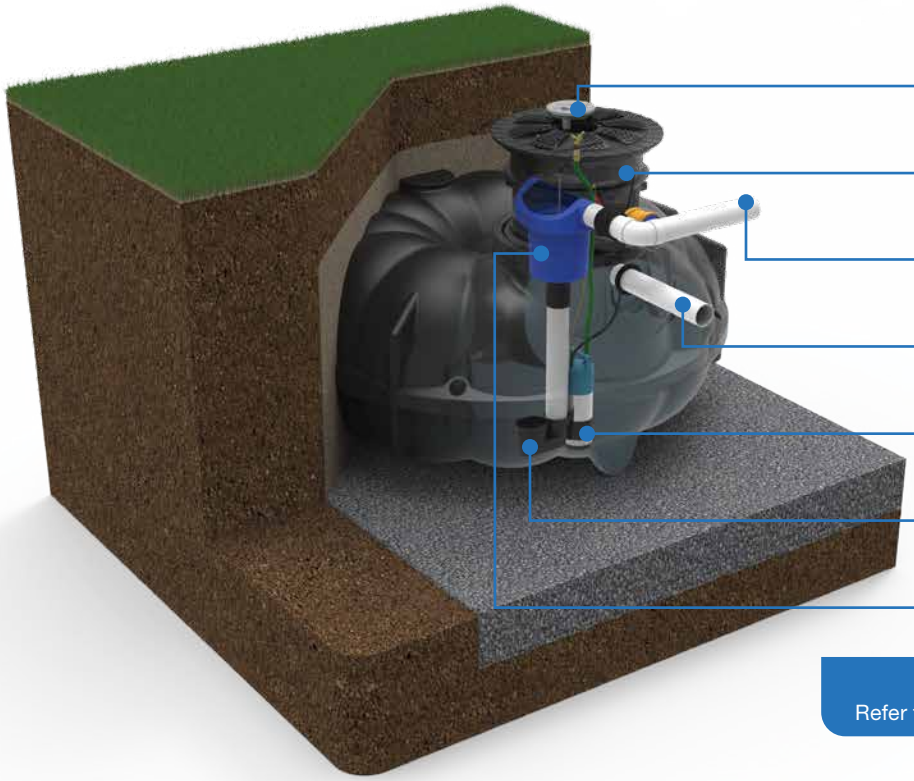
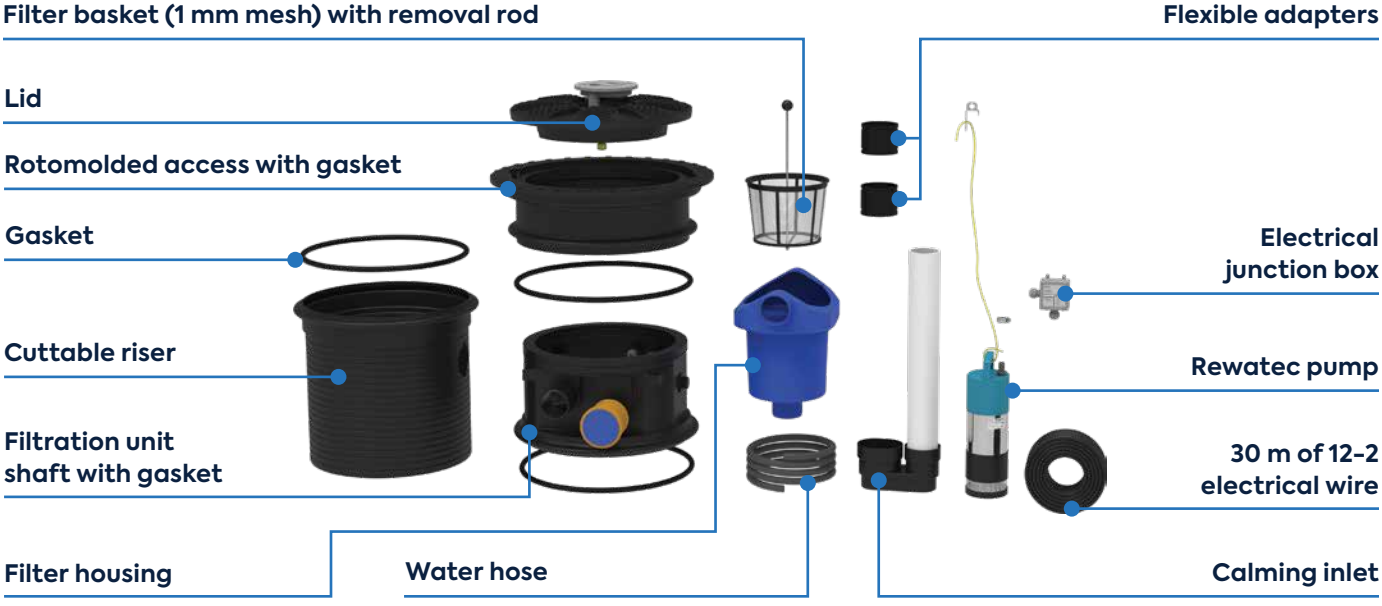


Diagram for reference only
Refer to the installation guide for installation instructions.

KIT COMPONENTS



KIT 2

Indoor and outdoor use

With this system, rainwater is directed inside the residence and then distributed to household appliances and the outdoor water faucet.

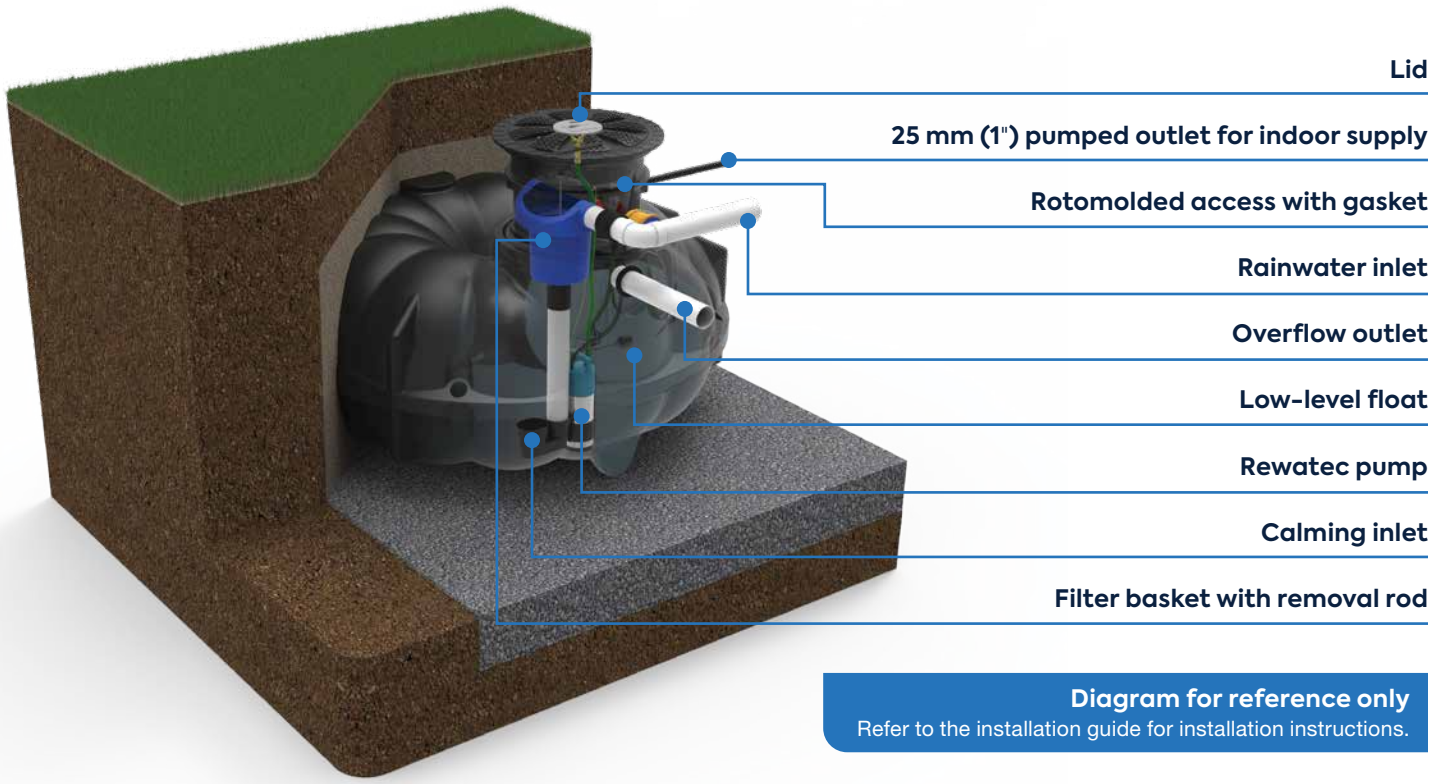


Diagram for reference only
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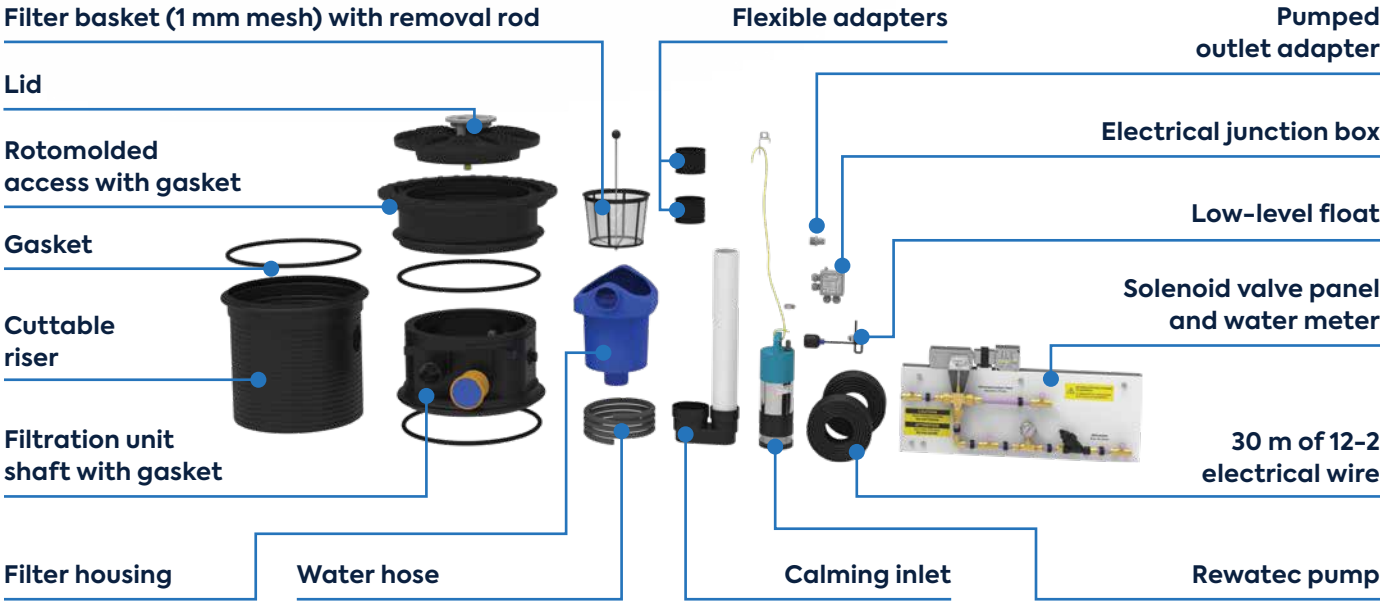
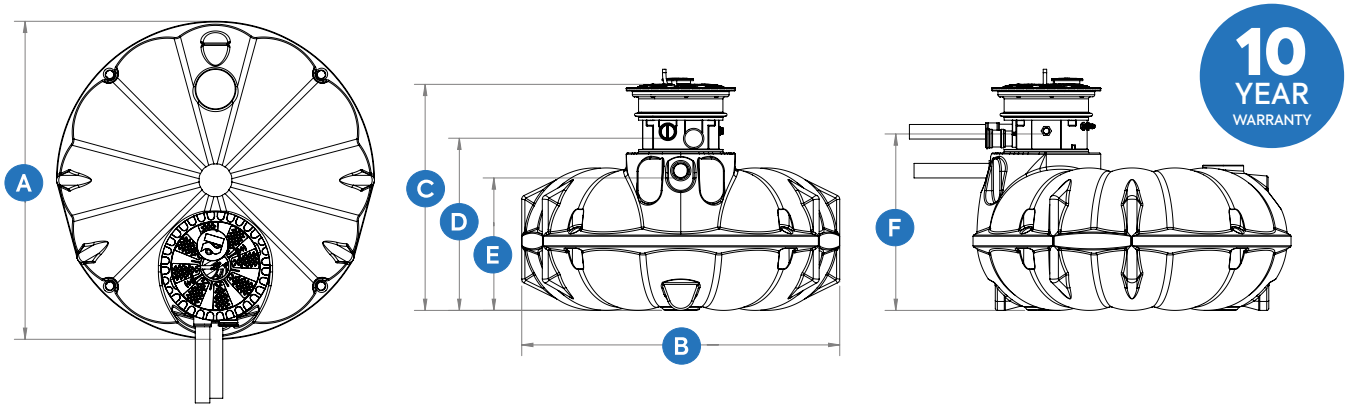
KIT COMPONENTS



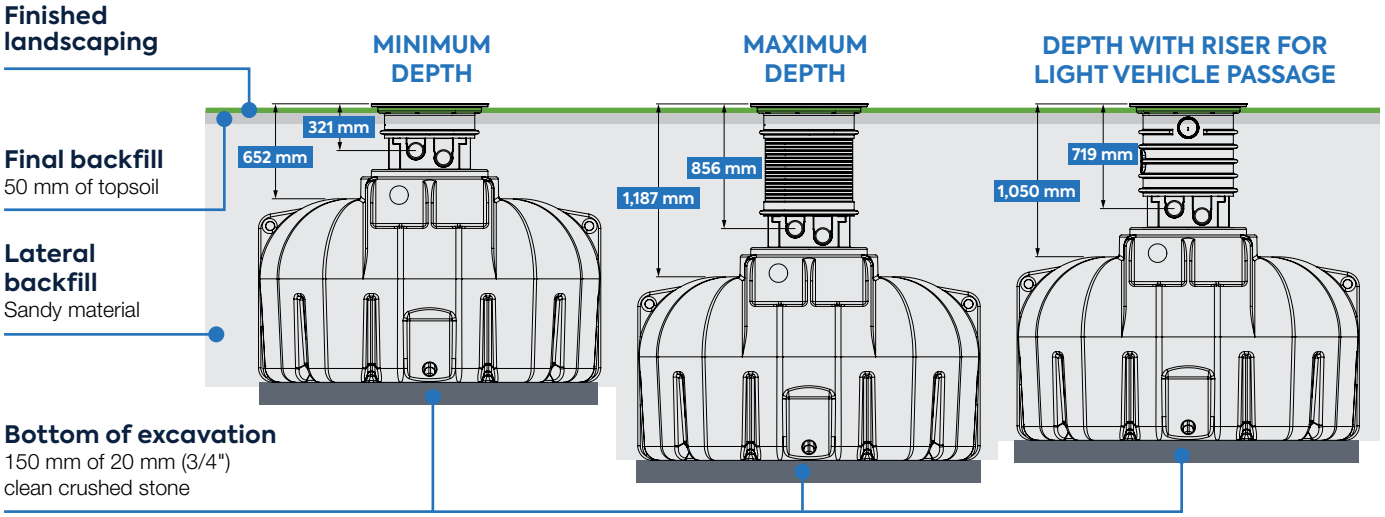
Tank installation

SPECIFICATIONS

		Effective Volume		
		3,000 L (680 US gal)	5,000 L (1,135 US gal)	7,000 L (1,590 US gal)
Length	A	2,337 mm (92")	3,400 mm (133")	3,370 mm (132")
Width	B	2,337 mm (92")	2,320 mm (91")	2,350 mm (92")
Height	C	1,661 mm (65")	1,723 mm (67")	1,938 mm (76")
Rainwater inlet height	D	1,266 mm (49")	1,328 mm (52")	1,540 mm (60")
Overflow outlet height	E	974 mm (38")	1,017 mm (40")	1,232 mm (48")
Pumped outlet height For indoor use only	F	1,297 mm (51")	1,359 mm (53")	1,574 mm (62")
Weight		112 kg (246 lb)	172 kg (378 lb)	267 kg (587 lb)
Access points		1		
Access diameter		510 mm (20")		



TYPICAL INSTALLATIONS

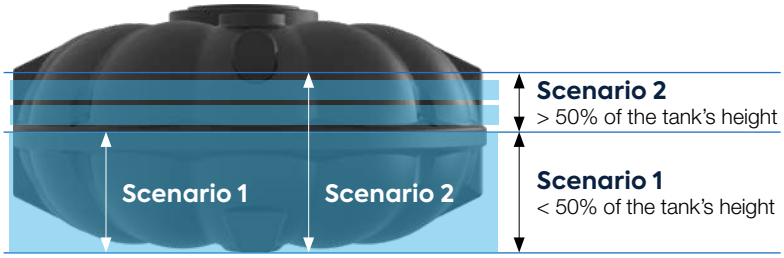


INSTALLATION IN GROUNDWATER

Groundwater is allowed up to the invert level of the overflow outlet pipe.

Effective Volume	Maximum Groundwater Height*
3,000 L (680 US gal)	974 mm (38")
5,000 L (1,135 US gal)	1,017 mm (40")
7,000 L (1,590 US gal)	1,232 mm (48")

* From the bottom of the tank.

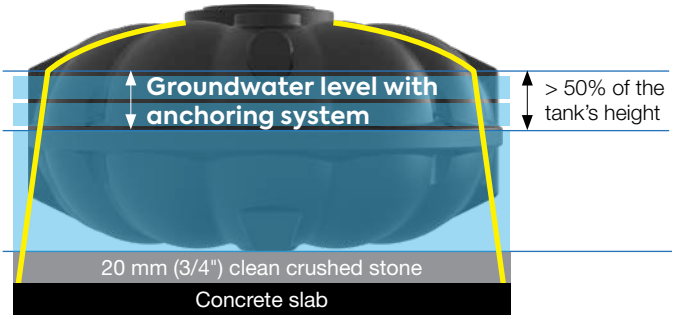


SCENARIO 1

Groundwater level is below the midpoint of the tank's height.
The installation does not require anchoring.

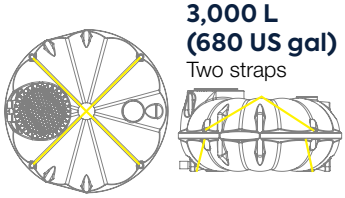
SCENARIO 2

Groundwater level is above the midpoint of the tank's height.
The installation requires anchoring, not included.

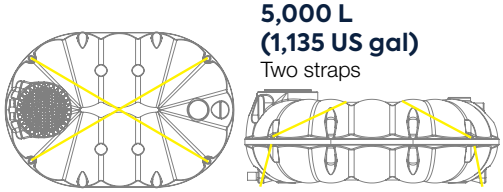


Concrete slab sizing must be validated by an external consultant.

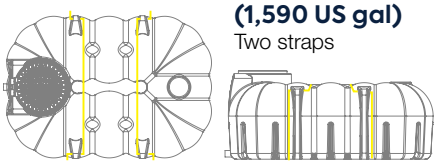
ANCHOR STRAP PLACEMENT



3,000 L (680 US gal)
Two straps



5,000 L (1,135 US gal)
Two straps



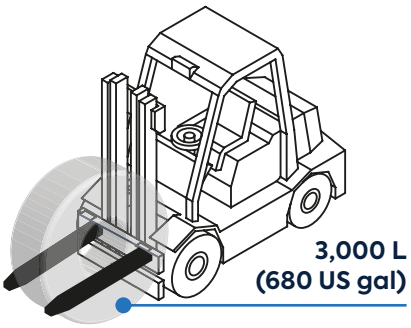
7,000 L (1,590 US gal)
Two straps

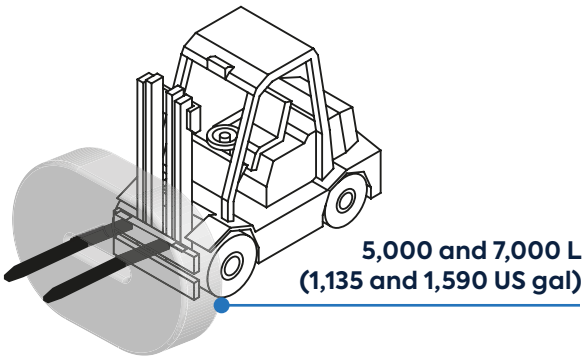
INSTALLATION IN CLAY SOIL

For installation in non-permeable soil, runoff water must be removed with adequate drainage around the entire tank.

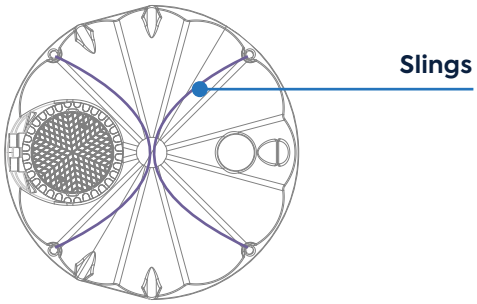
HANDLING RECOMMENDATIONS

HANDLE TANKS LENGTHWISE





HANDLE TANKS WITH THE FIVE SLINGS PROVIDED IN EACH KIT



ALWAYS STORE TANKS ON THEIR SIDE

For complete details, refer to the installation guide provided with each system.

REWATEC™

Filtration

FUNCTION

To filter coarse particles from roofs with up to 250 m² of surface area.

MAINTENANCE

- remove the filter basket and clean with water
- required just twice per year
- drain the pump line in winter to avoid freezing (if the system is not in use)

Automatic submersible pump

FEATURES

- electronic pressure switch
- integrated flow sensor
- dry-run protection
- integrated check valve

2 YEAR WARRANTY

FLOW RATE

	Water Head (m)										
	45	44	42	40	37	33	28	23	17	11	5
Flow rate (L/min)	8	17	25	33	42	50	58	67	75	83	92

REWATEC™

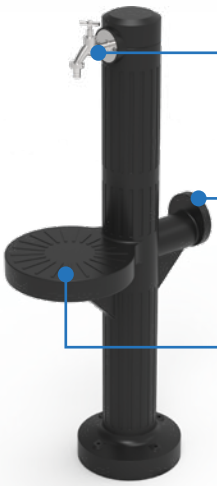
Optional accessories

RISER FOR LIGHT VEHICLE PASSAGE

- replaces the rotomolded access provided in each kit
- withstands up to 2,200 kg per vehicle axle

DECORATIVE OUTDOOR FAUCET

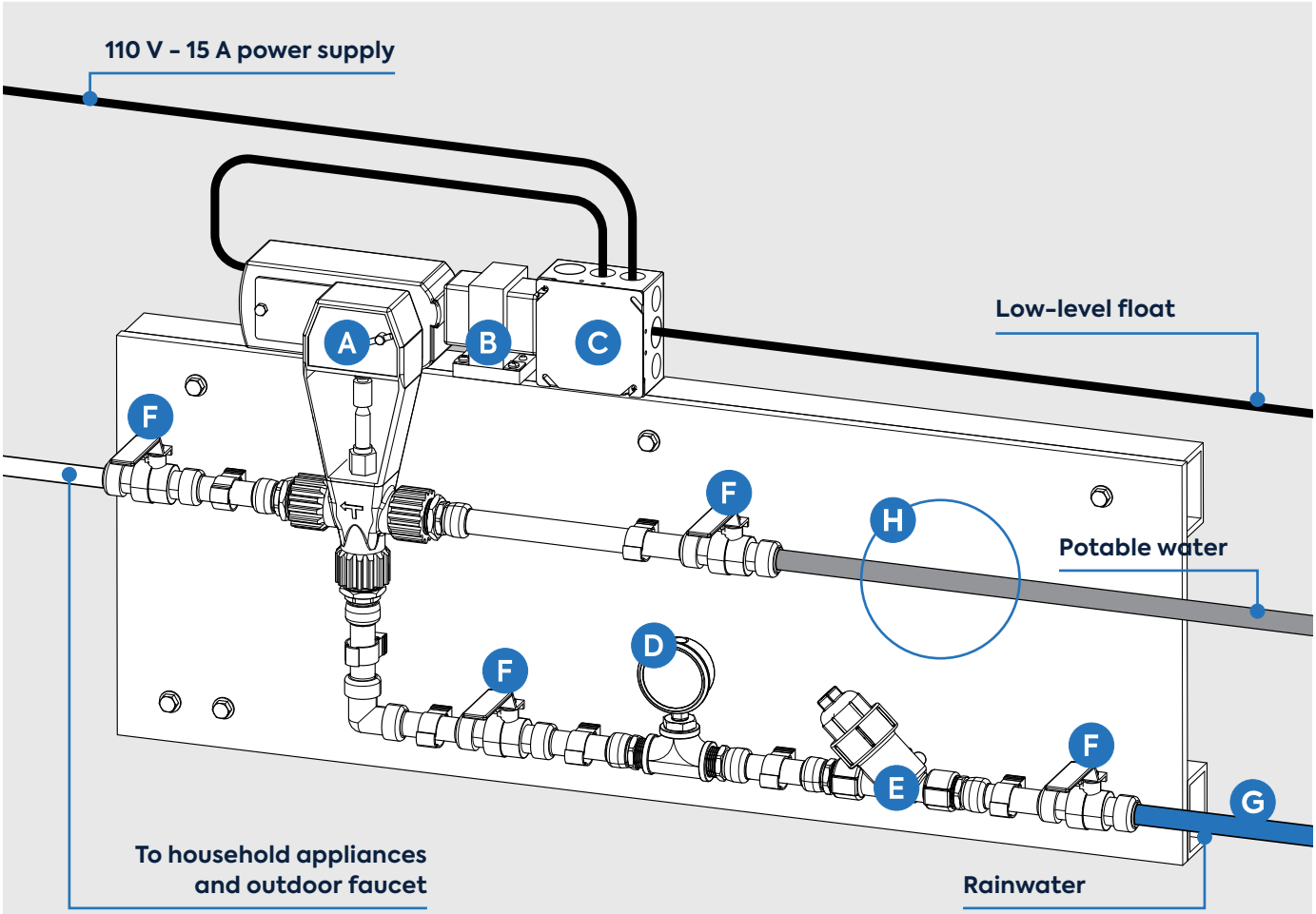
- can be installed anywhere on the property
- install on the lid for direct connection to the tank
- works with universal fittings



Installation inside the residence

SOLENOID VALVE PANEL

Pre-assembled in the factory, the solenoid valve panel is designed for indoor rainwater use only. It automatically switches to municipal or well water when the rainwater tank is empty.



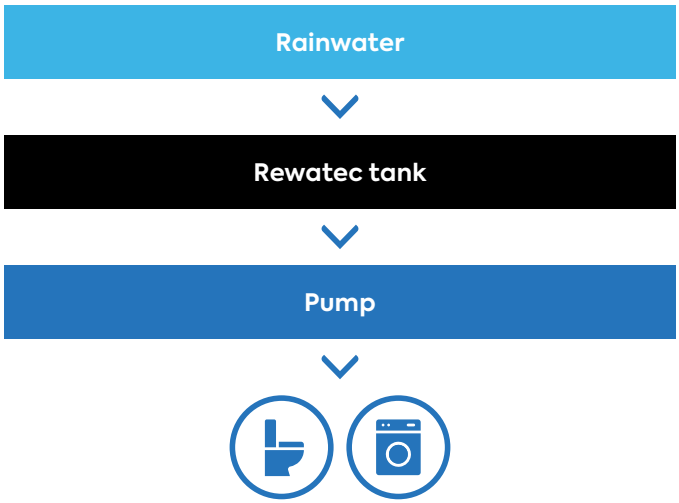
The solenoid valve panel includes:

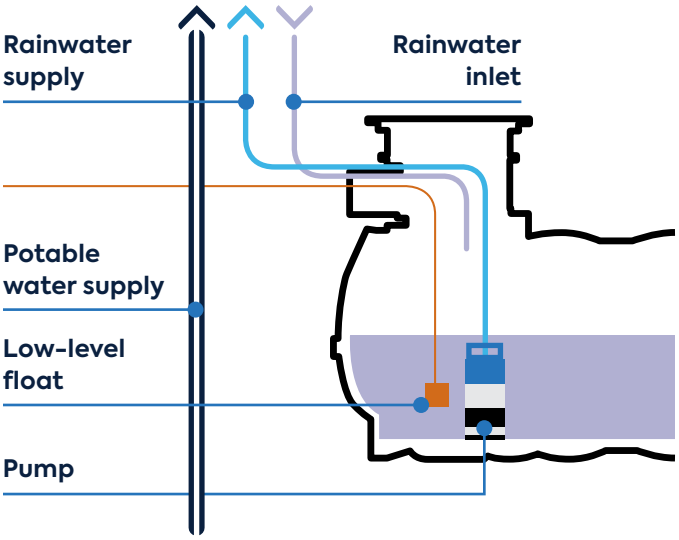
- **A** One three-way solenoid valve
- **B** One 110 V/24 V transformer
- **C** One electrical junction box
- **D** One 0-100 PSI pressure gauge
- **E** One 0.18 mm (80 mesh) screen
- **F** Shut-off valves
- **G** Water meter (to be installed on site)
- **H** Backflow prevention device (not included) must be installed by a certified plumber

OPERATING PRINCIPLE

SCENARIO 1

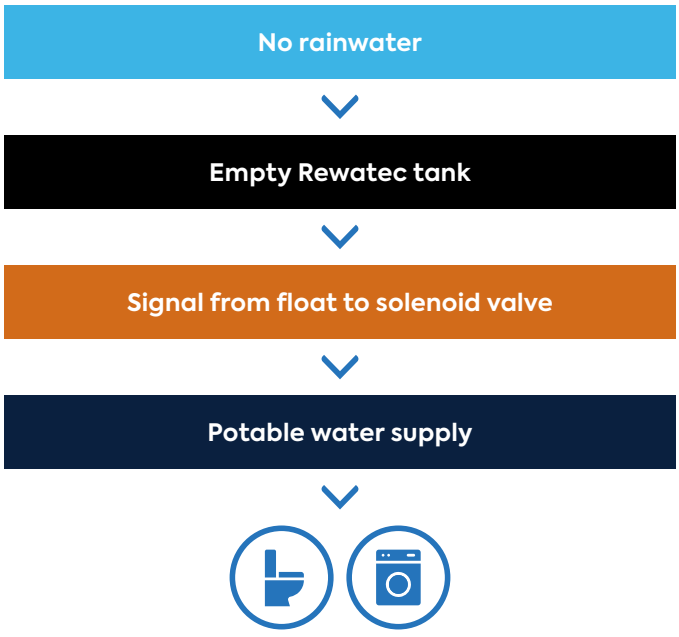
The valve is in the “rainwater” position. There is enough water in the tank. The pump automatically supplies the residence’s toilets and washing machine.

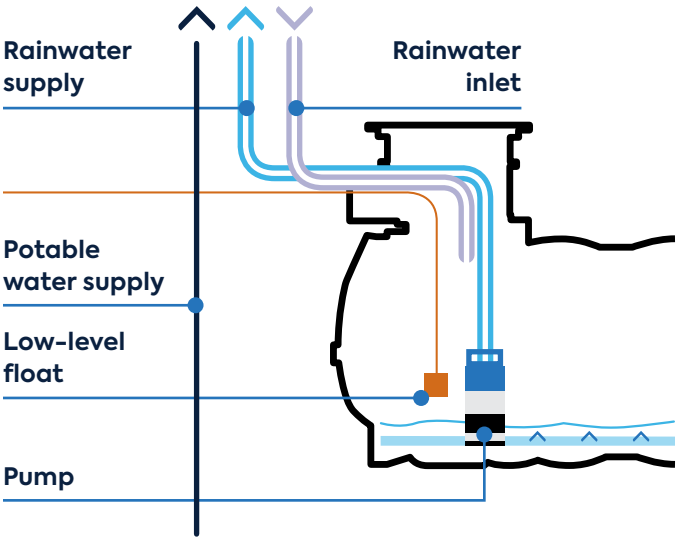




SCENARIO 2

The water in the tank reaches the minimum level. The low-level float sends a signal to the solenoid valve, which changes position. Potable water supplies the residence’s toilets and washing machine.





Premier Tech's 360° support

- exclusive and innovative service offer
- phone or interactive video assistance
- real-time diagnostics
- field support when necessary
- accessible training
- Pro Space dedicated to professionals

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Making a difference for water and the environment

At Premier Tech, People and Technologies connect in lasting, transformative ways, giving life to products and services that help feed, protect, and improve our world.

Our team of experts constantly innovates, redefining what is possible through effective, efficient, and sustainable solutions. Driven by a shared passion, we are committed to protecting our resources for the future.

PREMIER TECH

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