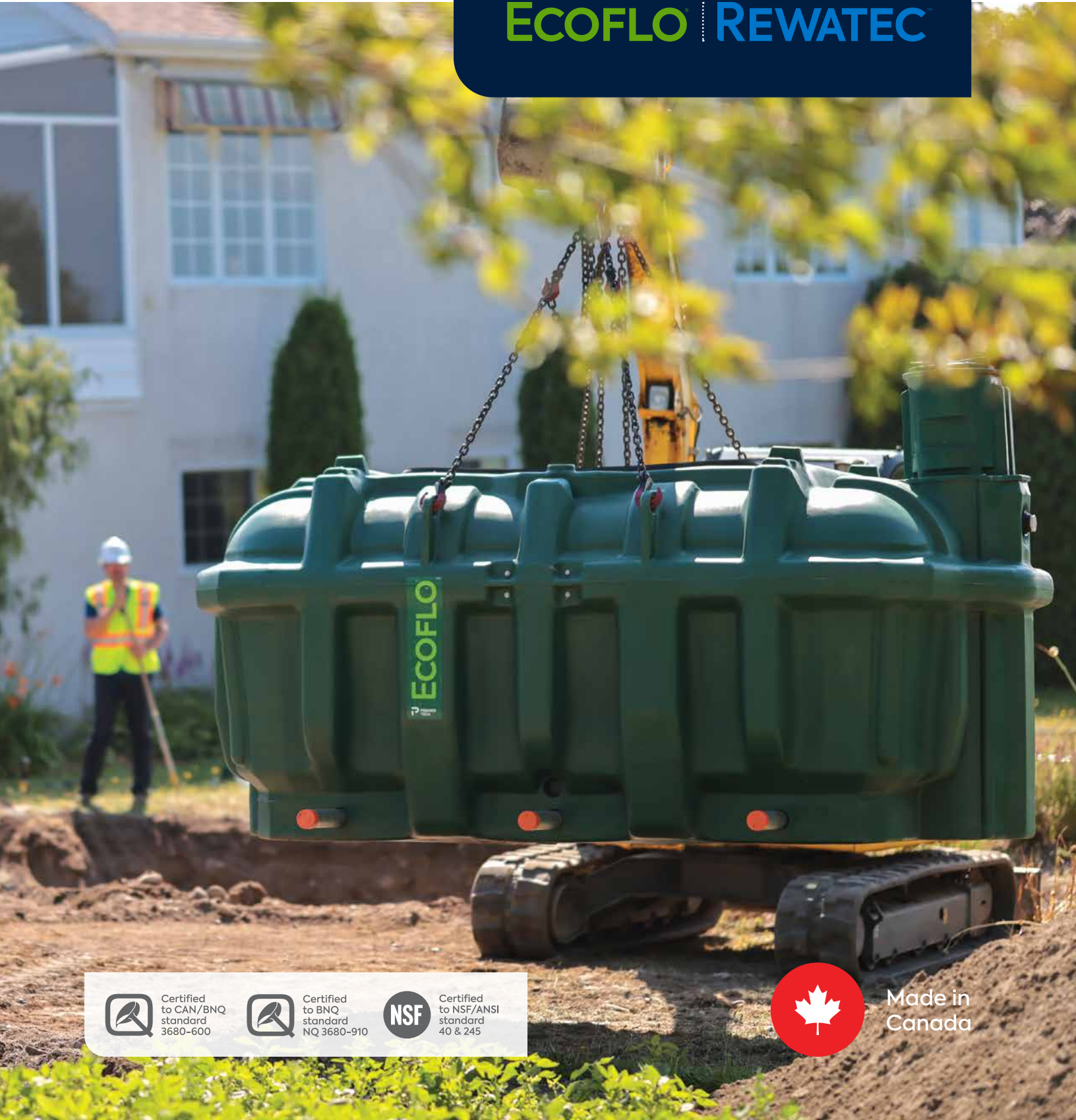




Guide for professionals

ECOFLO | **REWATEC**



Certified to CAN/BNQ standard 3680-600



Certified to BNQ standard NQ 3680-910



Certified to NSF/ANSI standard 40 & 245



Made in
Canada

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**
- **2,715 team members in North America**
- **5,000 team members worldwide in 28 countries**
- **24 manufacturing facilities in North America**
- **47 factories in 16 countries**



Through its Water and Environment business group, Premier Tech is a world leader in designing and manufacturing sustainable local solutions for:

Wastewater treatment

Residential



Commercial



Rainwater harvesting



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

Premier Tech's 360° support

Since 1995, professionals have been the heart of our business.

IMMEDIATE ASSISTANCE

Experts available Monday to Friday to answer your field questions.



IN-PERSON FIELD SUPPORT

Experts go on site when challenges cannot be resolved with a video call.



ACCESSIBLE TRAINING

Online training programs make your installations as simple as possible.





MOST COMPLETE WARRANTY IN THE INDUSTRY

Since 1995, we have proudly developed sustainable products with warranties that are clear and complete.



AFTER-SALES SERVICE FROM THE MANUFACTURER

Largest network of local partners to maintain systems and honour warranties.



PRO SPACE

Quickly find all the documents you need in one place.

- installation guides
- technical data sheets
- technical drawings
- and more

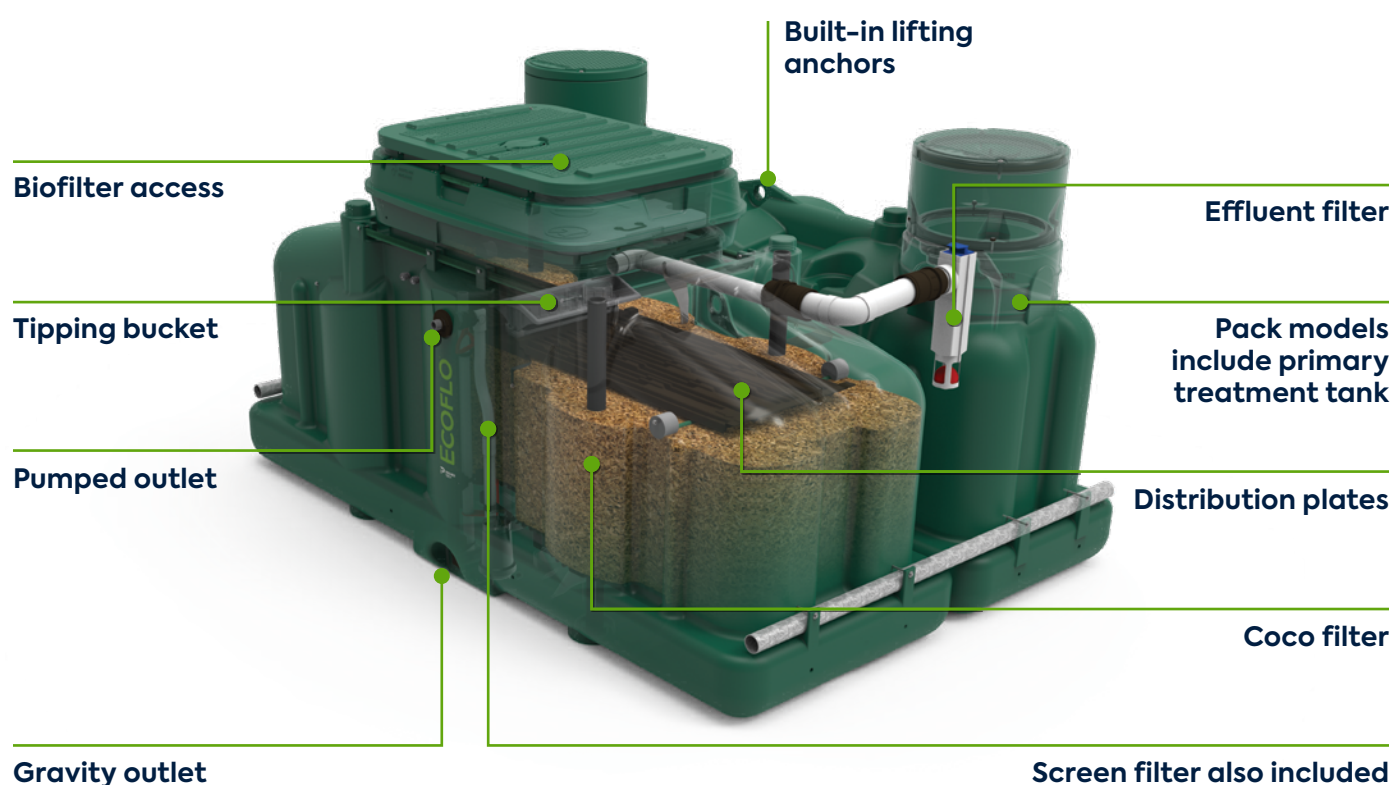


FULL CUSTOMER SUPPORT

Our teams directly assist customers, so you can concentrate on your work.

Ecoflo is how we make a sustainable difference. Together.

Join us in the movement to make the world a better, more sustainable place. Protect your client's property and the environment by recommending the Ecoflo biofilter, the most eco-responsible septic system available.



THE #1 COMPACT FILTER CHOICE!

VISIT OUR
WEBSITE



> QUICK INSTALLATION

- ready-to-use models
- easy-to-follow instructions
- can be installed in only one day

> MODELS FOR ANY SITE

- options for all soil conditions
- pumped or gravity discharge
- compact models

> PRODUCT AVAILABILITY

- 140 depots across North America
- quality-controlled inventory
- reliable order tracking

> 10-YEAR TOTAL WARRANTY

- all treatment-related parts and labour
- proper functioning of the filtering medium and its treatment performance
- no clogging or excess sludge

> OUTPERFORMS STANDARDS

CAN/BNQ Standard 3680-600		
Parameter	Class B-IV Requirement*	Ecoflo Biofilter Effluent†
TSS	≤ 10 mg/L	3 mg/L
CBOD₅	≤ 10 mg/L	4 mg/L
Fecal coliforms	No requirement	—

* 30-day average.

† With coco and peat filtering medium.

NSF/ANSI Standard 40 and 245		
Parameter	Requirement*	Ecoflo Biofilter Effluent†
TSS	< 25 mg/L	8 mg/L
CBOD₅	< 30 mg/L	6 mg/L
Fecal coliforms	No requirement	—

* 30-day average.

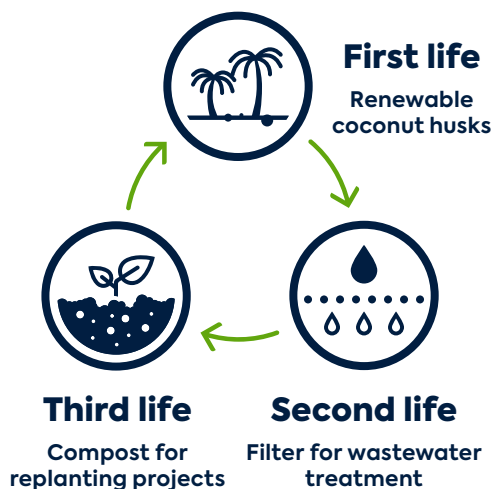
† With 100% coconut husk fragment filtering medium.

ANNUAL MAINTENANCE COSTS

\$238 on average
in 2022

Ecoflo advantages for your clients

NATURAL, RENEWABLE, COMPOSTABLE FILTER



INSTALLED FOR LIFE

- easy installation
- never needs to be moved or replaced
- never damages your client's landscaping

PEACE-OF-MIND PERFORMANCE

- 24/7 autonomous operation
- never clogs your client's soil or contaminates their property
- worry-free warranty

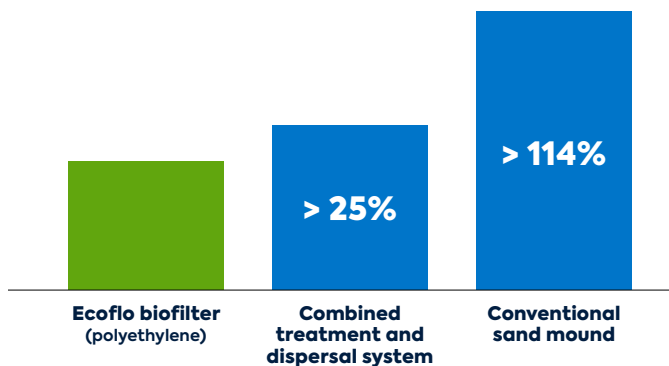
BEST LONG-TERM INVESTMENT

- maintains the selling value of your client's property
- no energy bills for wastewater treatment
- no high-priced repairs or hidden costs
- no full-system replacements

LOWEST CARBON FOOTPRINT

From production and shipping to installation, maintenance, and usage, the Ecoflo biofilter has the lowest carbon footprint of any product on the market.

Total after 50-year life cycle



Notes

- Based on analysis of septic installations in Québec.
- Systems installed in very low permeability soil and rated for three bedrooms.
- Distances between installations and required materials assumed to be 60 km for filtration sand and stone, 33 km for backfill.
- Ecoflo biofilter installations include final dispersal to typical dispersal bed.



A product supported by the manufacturer

INFO-SHARING VISIT

After each installation, we visit new owners on site to teach them how the Ecoflo biofilter works, answer their questions, and make sure their septic system is working perfectly.

ANNUAL MAINTENANCE

We have a coast-to-coast network of partners, annually trained by us to maximize the life of your client's coco filter and protect their investment in their septic system.

- 15-point inspection
- coco filter aeration to promote healthy bacterial activity
- coco filter scarification to ensure optimal biofiltration

FILTER REPLACEMENT

By having the coco filter in their Ecoflo biofilter replaced after 10 to 15 years, your client guarantees their system always protects their property and the environment.

- no excavation required
- no damage to your client's landscaping
- used coco filters are 100% compostable (unlike petroleum-based filtering media)



ECOFLO[®]

Polyethylene

Solution for:

- up to 5,000 L/d maximum capacity
- simple and quick installations
- sites with limited space

Advantages:

- install primary treatment tank and biofilter with one excavation*
- compact and lightweight*
- ready to use
- install in up to 600 mm (2') of groundwater (pumped models up to 2,800 L/d)
- one additional riser of 150 mm (6") allowed (models up to 2,800 L/d)



* Pack model

SCAN ME TO SEE
HOW TO INSTALL
OUR PRODUCTS



POLYETHYLENE
PACK MODEL



POLYETHYLENE
MODEL 2.8/3.4/4.1



POLYETHYLENE
MODEL 5.7/7.3

Refer to pages 20 to 22 for technical information.

ECOFLO[®]

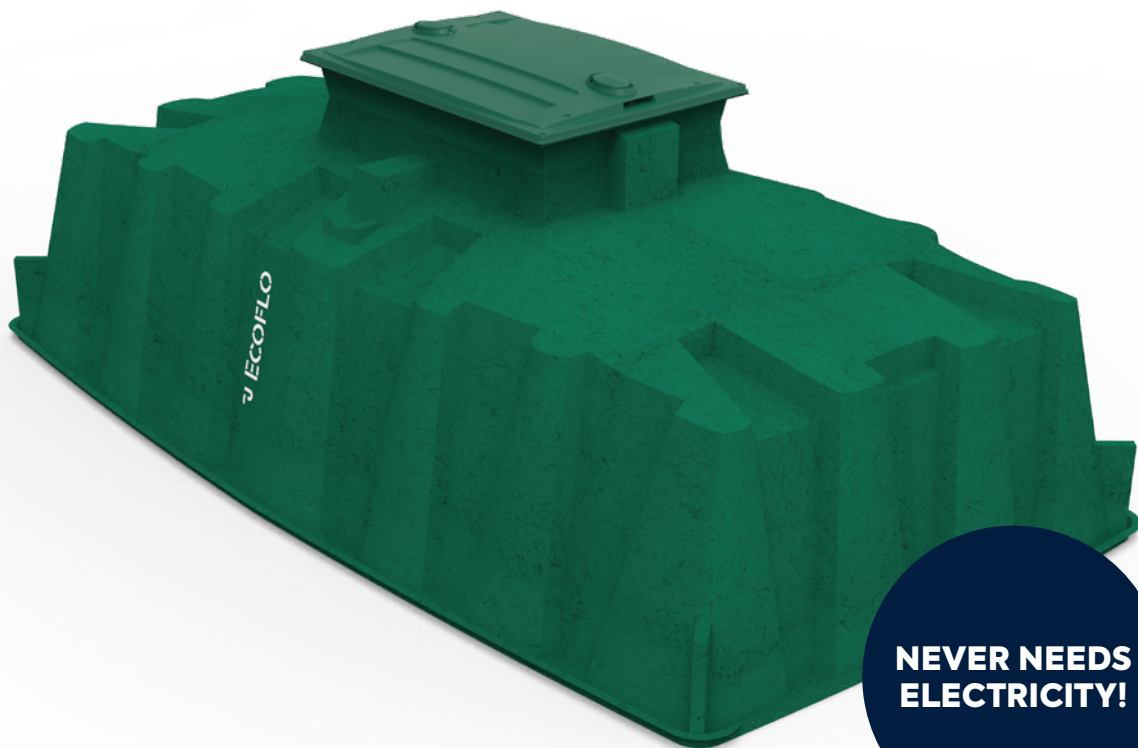
Fibreglass

Solution for:

- up to 3,500 L/d maximum capacity
- sites with limited space
- remote locations

Advantages:

- dispersal bed directly under the tank
- minimal final footprint
- compact and lightweight



**NEVER NEEDS
ELECTRICITY!**

REWATEC™

Integrated UV disinfection (DiUV)

Our integrated DiUV option reliably kills wastewater pathogens, so you can safely send wastewater into a watercourse or ditch.

Wi-Fi system

Sends us instant alerts, so we can help your client protect their investment and the environment. If there is a problem, a service team will follow up on it.

Improved design

Strong, reliable parts ensure easy operation and maintenance.

New UV lamp

Maximizes flow while lowering energy consumption.

Integrated pump

Discharges treated wastewater in any site conditions and keeps ditch water out of the treatment unit.



READY TO INSTALL

We make installation fast and simple by pre-assembling and pre-wiring our UV disinfection units.

SOLUTIONS FOR ANY SITE

UV disinfection can be integrated in many Ecoflo biofilter models. It is also available in a separate tank.

TREATMENT RESULTS

Parameter	BNQ* Effluent Standard	DiUV Effluent
TSS	< 15 mg/L	4 mg/L
CBOD₅	< 15 mg/L	4 mg/L
Fecal coliforms	< 20 CFU/100 mL†	< 2 CFU/100 mL†

* Bureau de normalization du Québec certification, similar to NSF certification.

† Before photoreactivation.

INTEGRATED UV MODELS

Model	Bedrooms
2.8	3
3.4	4
4.1	5

REWATEC™

UV disinfection (DiUV)

CLASSIC UV DISINFECTION

INTEGRATED OR SEPARATE TANK

Quartz sleeve

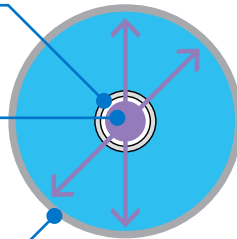
Isolates UV lamp.

70 W UV lamp

Exposes wastewater pathogens to UV radiation.

Stainless steel pipe

Holds wastewater for UV disinfection.



RECOMMENDED INFLUENT QUALITY

Parameter	Level
Iron	< 0.3 mg/L (0.3 ppm)
Manganese	< 0.05 mg/L (0.05 ppm)
Water hardness	< 120 mg/L (7 gpg)

REWATEC™

Nitrogen reduction (ECDn)

Our nitrogen reduction option converts ammoniacal nitrogen into nitrogen gas, so you can safely discharge wastewater near ecologically sensitive areas.

Primary treatment tank (with baffle)

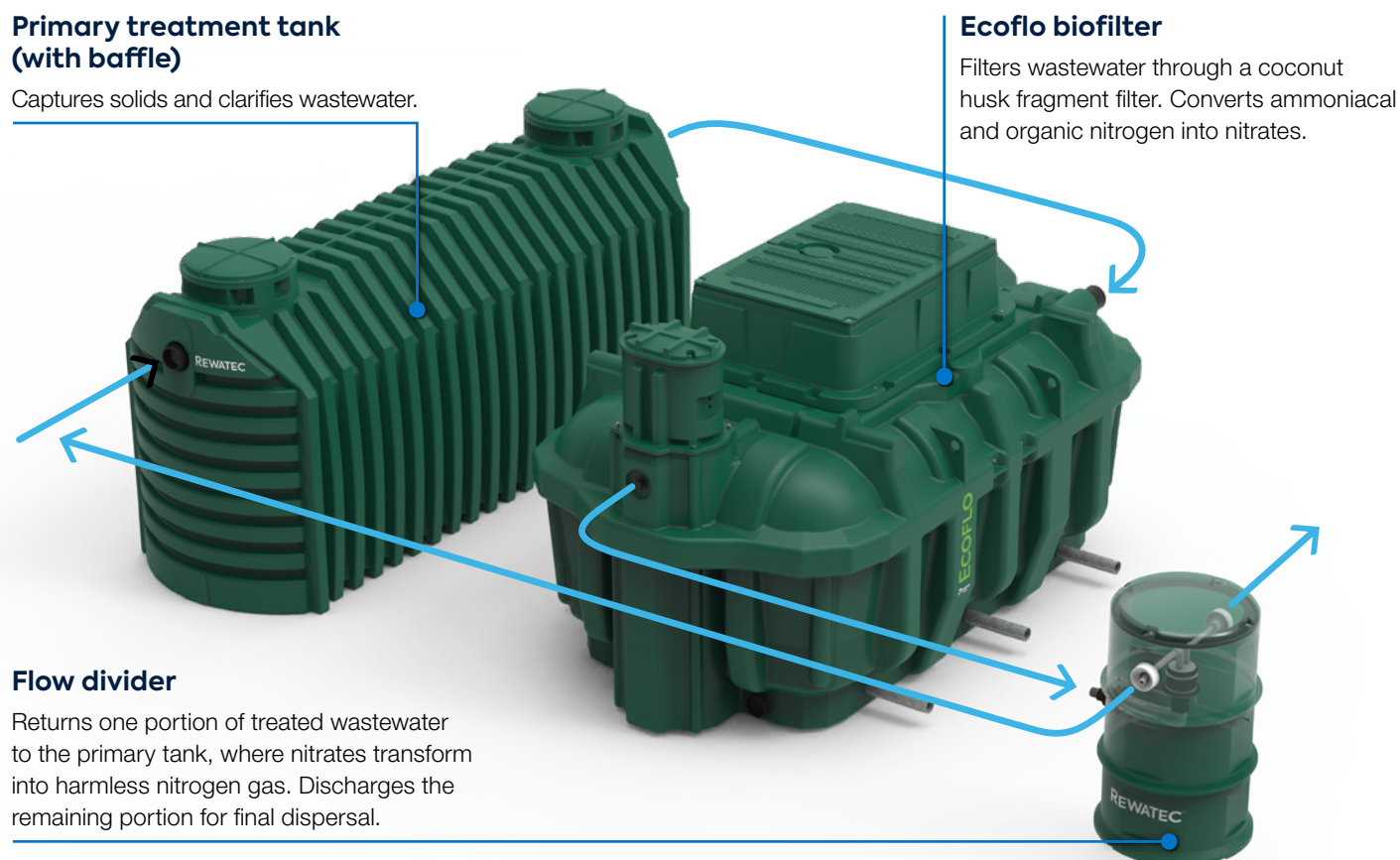
Captures solids and clarifies wastewater.

Ecoflo biofilter

Filters wastewater through a coconut husk fragment filter. Converts ammoniacal and organic nitrogen into nitrates.

Flow divider

Returns one portion of treated wastewater to the primary tank, where nitrates transform into harmless nitrogen gas. Discharges the remaining portion for final dispersal.



COMPACT SIZE

Our nitrogen reduction option is ideal for sites with limited installation space.

SOLUTIONS FOR ANY SITE

Nitrogen reduction is available with many polyethylene and concrete Ecoflo biofilter models.

TREATMENT RESULTS

Parameter	NSF Effluent Standard	ECDn Effluent
TSS	< 30 mg/L	2 ± 2 mg/L
CBOD ₅	< 25 mg/L	4 ± 3 mg/L
Total nitrogen reduction	> 50%	54%
pH	6 to 9	7.1

Refer to page 24
for technical information.

REWATEC™

Components and accessories

SEPTIC TANKS

- up to 6,600 L total nominal capacity
- high-strength polyethylene

Refer to page 25
for technical information.



PUMPING STATIONS

- up to 255 L effective dosing volume

Refer to page 26
for technical information.



PUMPS

- up to 0.5 hp
- reliable and durable

Refer to page 26
for technical information.



FLOW DIVIDERS

- pressurized or gravity flow
- two to 10 outlets



RISERS

- from 150 to 355 mm
(6" to 14")



Notes



Product specifications

Product line

			REWATEC [™] SPECIALIZED TREATMENT OPTIONS		
ECOFLO [®]			Integrated UV disinfection (DiUV)	UV disinfection (DiUV) in separate tank	Nitrogen reduction (ECDn)
Hydraulic Capacity	Size	Model			
POLYETHYLENE					
1,900 L/d	2.8	EC7-1900-P-G/P	✓	✓	See page 24
		EC7-1900-P-G/P-PACK	✓	✓	
2,200 L/d	3.4	EC7-2200-P-G/P	✓	✓	
		EC7-2200-P-G/P-PACK	✓	✓	
2,800 L/d	4.1	EC7-2800-P-G/P	✓	✓	
		EC7-2800-P-G/P-PACK	✓	✓	
4,000 L/d	5.7	EC7-4000-P-G/P	✗	✓	
5,000 L/d	7.3	EC7-5000-P-G/P	✗	✓	
FIBREGLASS					
3,500 L/d	5.0	EC7-3500-F-O	✗	✗	✗

NEED HELP?

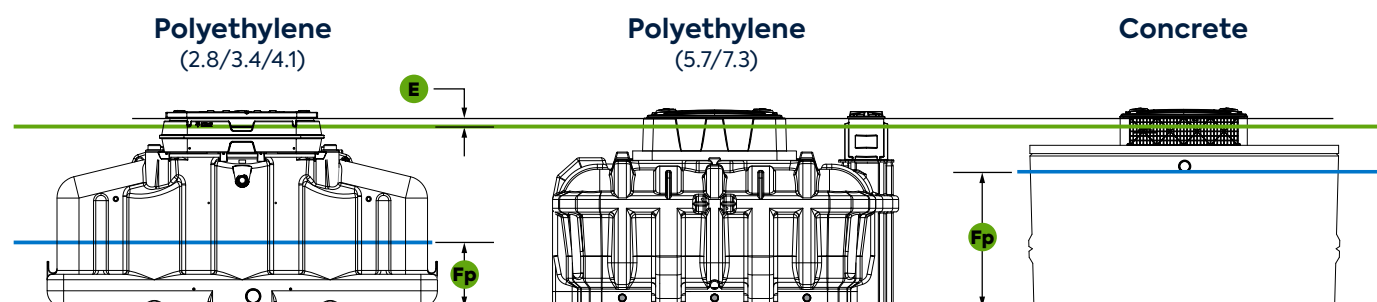
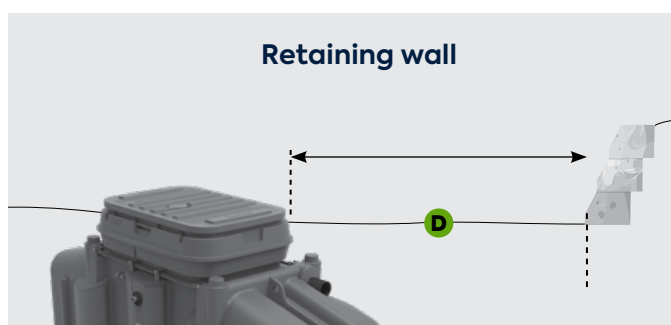
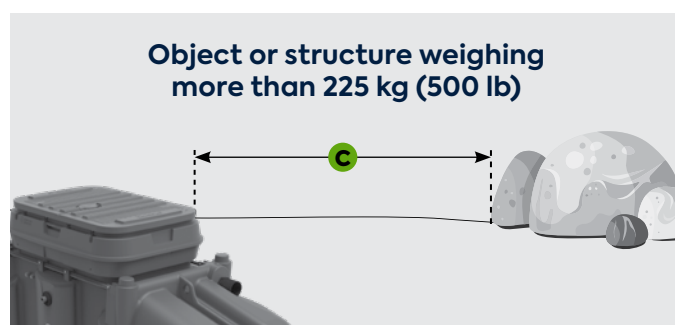
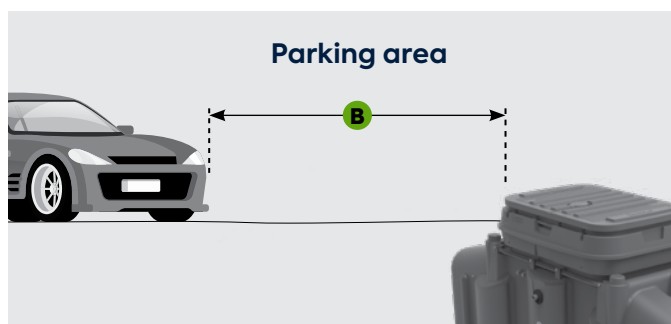
For help choosing the right Ecoflo biofilter model, specialized treatment options, and accessories, call our expert in your area. You'll get free, professional advice to transform any challenge into a custom-made septic solution.

+1 800 632-6356

Recommended distances

We recommend the following distances guidelines. Failure to abide by these guidelines may void the warranty of the installation.

Reference Points		Polyethylene		Fibreglass
		2.8/3.4/4.1	5.7/7.3	
Base of excess backfill, slopes, or embankments vs. biofilter lid	A	4 m (13')		5 m (16')
Parking area vs. biofilter lid	B	4 m (13')		5 m (16')
Object or structure weighing more than 225 kg (500 lb) vs. biofilter lid	C	4 m (13')		5 m (16')
Retaining wall vs. biofilter lid	D	4 m (13')		5 m (16')
Finished landscaping vs. base of biofilter lid	E	50 mm (2")		
Seasonal high groundwater table (SHGT) vs. base of gravity-discharge unit		Do not install in groundwater		
Seasonal high groundwater table (SHGT) vs. base of pumped-discharge unit	Fp	600 mm (2')	Do not install in groundwater	



ECOFLO[®]

Polyethylene • Pack



	2.8	3.4	4.1
	EC7-1900-P-G/P-PACK	EC7-2200-P-G/P-PACK	EC7-2800-P-G/P-PACK
Hydraulic capacity	1,900 L/d	2,200 L/d	2,800 L/d
Primary tank volume	3,000 L	3,785 L	4,730 L
Length A	3,120 mm (10' 3")	3,550 mm (11' 8")	4,050 mm (13' 4")
Width B	2,480 mm (8' 2")		
Height C <small>Includes 12" of risers</small>	1,770 mm (5' 9-3/4")		
Inlet height of primary tank from bottom D	1,285 mm (4' 2-1/2")		
Gravity water outlet height Eg	44 mm (1-3/4")		
Pumped water outlet height Ep	1,140 mm (3' 9")		
Riser height allowed	150 mm (6")		
Weight <small>Includes internal components and coco filter</small>	760 kg (1,675 lb)	850 kg (1,870 lb)	950 kg (2,090 lb)
Built-in effective volume available for dosing <small>Pumped discharge models only</small>	600 L	680 L	755 L
Emergency storage above alarm float	2,065 L	2,520 L	2,875 L

Water inlet

Ø 100 mm (4") nominal

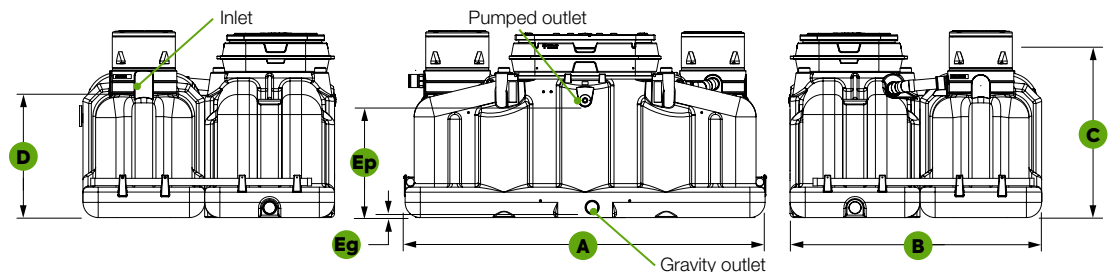
Gravity water outlet

Ø 100 mm (4") nominal

Pumped water outlet

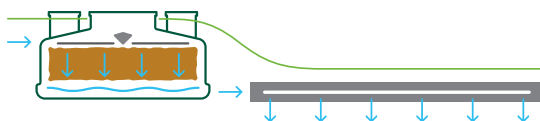
Ø 38 mm (1-1/2") or

Ø 50 mm (2") nominal

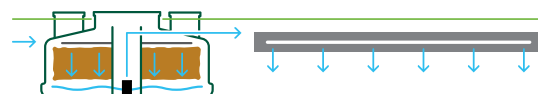


TYPICAL INSTALLATIONS

Gravity discharge to leaching field



Pumped discharge to leaching field



ECOFLO[®]

Polyethylene



		2.8	3.4	4.1
		EC7-1900-P-G/P	EC7-2200-P-G/P	EC7-2800-P-G/PDV
Hydraulic capacity		1,900 L/d	2,200 L/d	2,800 L/d
Length	A	3,120 mm (10' 3")	3,550 mm (11' 8")	4,050 mm (13' 4")
Width	B	1,280 mm (4' 2")		
Height <small>Includes 12" of risers</small>	C	1,770 mm (5' 9-1/2")		
Inlet height from bottom	D	1,230 mm (4' 1/2")		
Gravity water outlet height	Eg	44 mm (1-3/4")		
Pumped water outlet height	Ep	1,140 mm (3' 9")		
Riser height allowed		150 mm (6")		
Weight <small>Includes internal components and coco filter</small>		560 kg (1,235 lb)	610 kg (1,345 lb)	660 kg (1,455 lb)
Built-in effective volume available for dosing <small>Pumped discharge models only</small>		600 L	680 L	755 L
Emergency storage above alarm float		2,065 L	2,520 L	2,875 L

Water inlet

Ø 100 mm (4") nominal

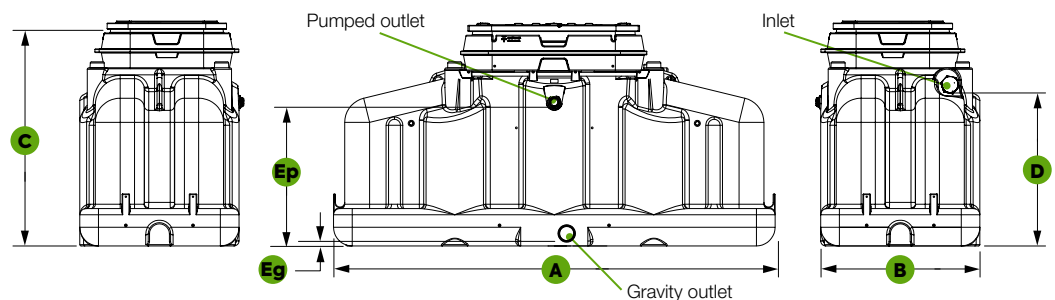
Gravity water outlet

Ø 100 mm (4") nominal

Pumped water outlet

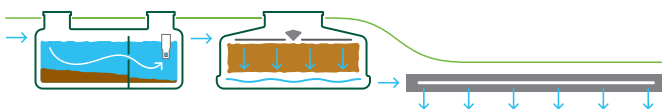
Ø 38 mm (1-1/2") or

Ø 50 mm (2") nominal

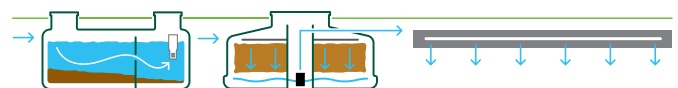


TYPICAL INSTALLATIONS

Gravity discharge to leaching field



Pumped discharge to leaching field

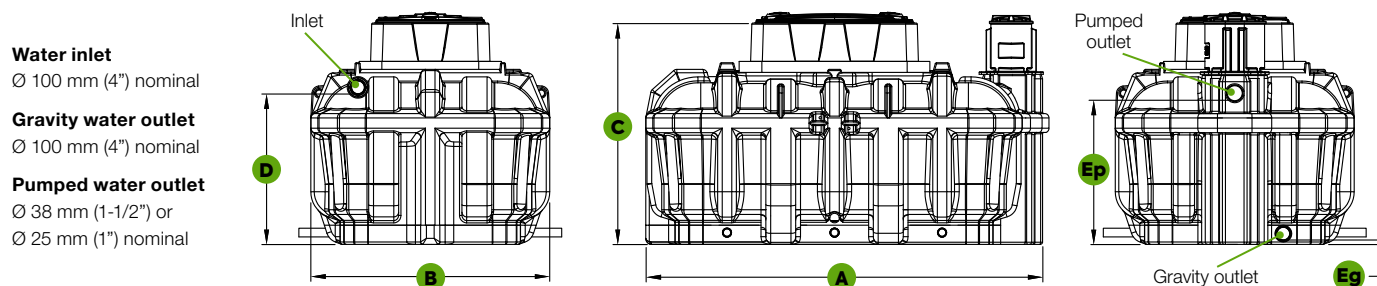


ECOFLO[®]

Polyethylene

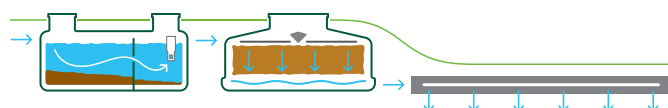


		5.7	7.3
		EC7-4000-P-G/PDV	EC7-5000-P-G/PDV
Hydraulic capacity		4,000 L/d	5,000 L/d
Length	A	3,380 mm (11' 1")	4,130 mm (13' 7")
Width	B	1,840 mm (6' 1/2")	2,050 mm (6' 9")
Height	C	1,850 mm (6' 1/2")	
Inlet height from bottom	D	1,260 mm (4' 2")	
Gravity water outlet height	Eg	76 mm (3")	
Pumped water outlet height	Ep	1,240 mm (4' 1")	
Riser height allowed		No additional risers allowed	
Weight		1,200 kg (2,640 lb)	1,415 kg (3,120 lb)
Includes internal components and coco filter			
Built-in effective volume available for dosing		870 L	1,120 L
Pumped discharge models only			
Total emergency storage capacity		4,370 L	6,030 L

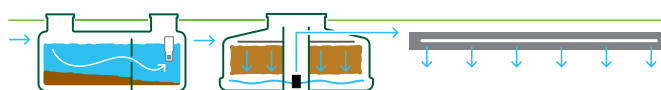


TYPICAL INSTALLATIONS

Gravity discharge to leaching field



Pumped discharge to leaching field



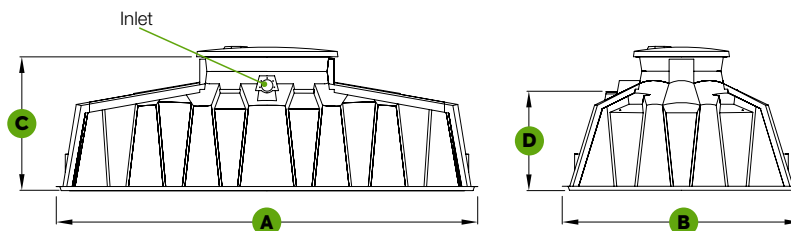
ECOFLO[®]

Fibreglass



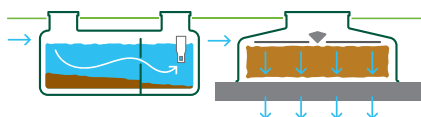
		5.0
		EC7-3500-F-O
Hydraulic capacity		3,500 L/d
Length	A	3,345 mm (11')
Width	B	2,361 mm (7' 9")
Height	C	1,320 mm (4' 4")
Inlet height from bottom	D	970 mm (3' 2")
Riser height allowed		No risers allowed
Weight		115 kg (250 lb)

Water inlet
 Ø 100 mm (4") nominal



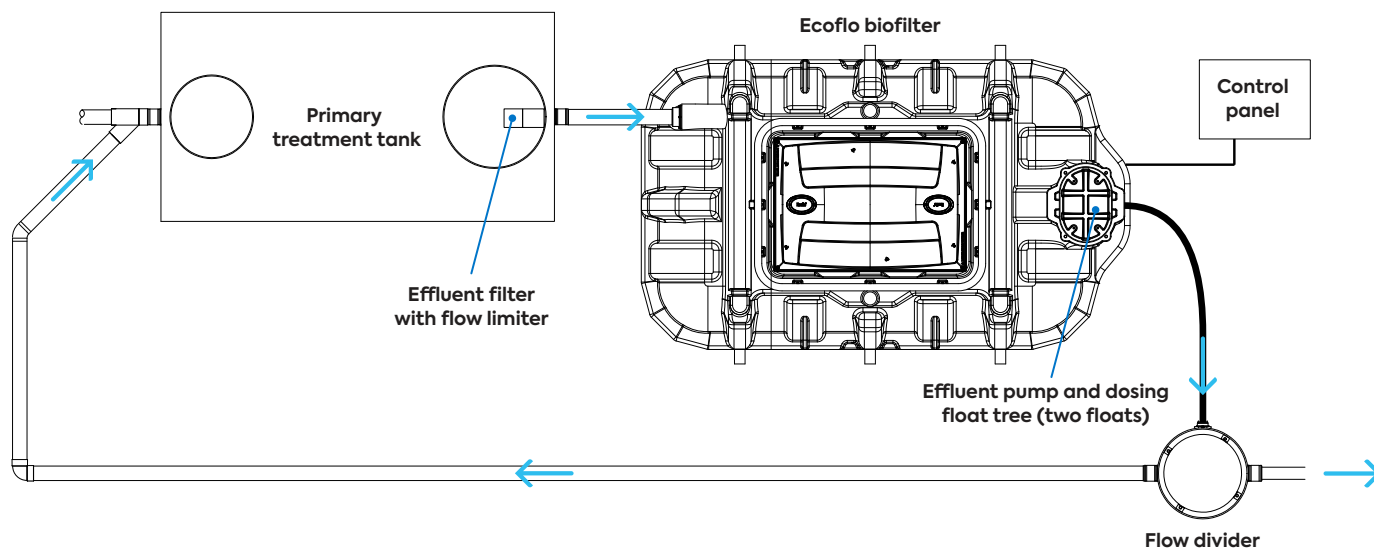
TYPICAL INSTALLATIONS

Infiltrated discharge on leaching field



Nitrogen reduction (ECDn)

TYPICAL INSTALLATION



ECOFLO COMPATIBILITY







Polyethylene

Hydraulic Capacity	Size	Model
1,900 L/d	3.4	ECDN-1900-P
2,200 L/d	4.1	ECDN-2200-P
3,250 L/d	5.7	ECDN-3250-P
4,150 L/d	7.3	ECDN-4150-P

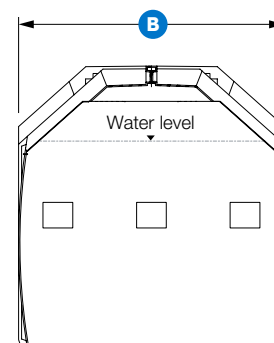
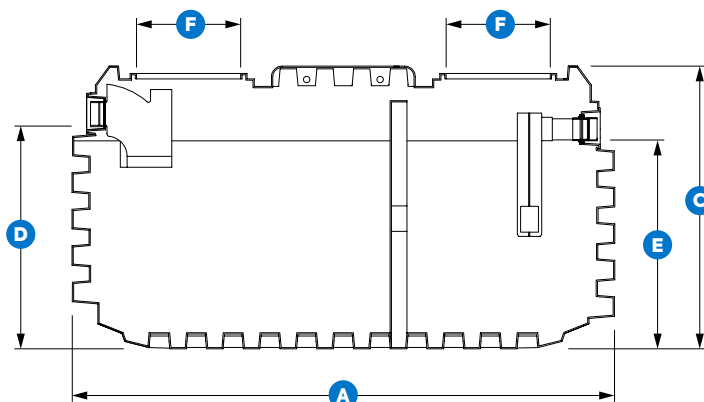


Septic and holding tanks



	Septic Tank with Effluent Filter						Holding Tank*
	PST-280	PST-340	PST-390	PST-420	PST-500	PST-660	PHT-660
Total nominal capacity	2,800 L	3,400 L	3,900 L	4,300 L	4,800 L	6,650 L	6,650 L
Liquid capacity	2,260 L	3,000 L	3,300 L	3,600 L	4,100 L	5,800 L	5,900 L
Length 	2,495 mm (8' 2")	3,035 mm (9' 11-1/2")	3,320 mm (10' 10-1/2")	3,777 mm (12' 4-3/4")	2,920 mm (9' 7")	3,965 mm (13')	3,965 mm (13')
Width 	1,250 mm (4' 1-1/4")				1,330 mm (4' 4-3/8")		1,330 mm (4' 4-3/8")
Height 	1,330 mm (4' 4-3/8")				1,720 mm (5' 7-3/4")		1,890 mm (6' 2-3/8")
Inlet height 	1,055 mm (3' 5-1/2")				1,400 mm (4' 7-1/8")		1,400 mm (4' 7-1/8")
Outlet height 	980 mm (3' 2-1/2")				1,320 mm (4' 4")		—
Openings diameter 	470 mm (1' 6-1/2")						
Weight	160 kg (353 lb)	180 kg (397 lb)	190 kg (419 lb)	240 kg (529 lb)	265 kg (584 lb)	325 kg (717 lb)	350 kg (772 lb)
Certification	BNQ/CSA			CSA	BNQ/CSA		CSA

* Certified for certain applications by Health Canada's Health Products and Food Branch.



REWATEC™

Pumping stations

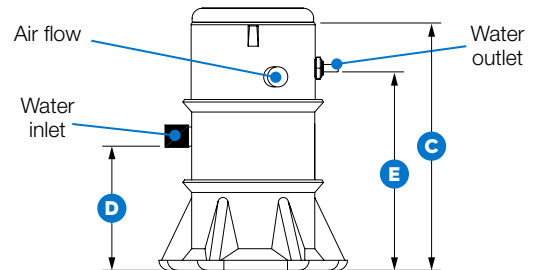
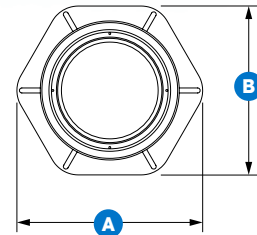


	PSA-240	PSA-240H
Pump	120 V	
Float	On/off pump switch and alarm switch	
Length of base A	950 mm (3' 1-1/2")	
Width of base B	865 mm (2' 10")	
Height C	1,270 mm (4' 2")	1,625 mm (5' 4")
Inlet height D	635 mm (2' 1")	1,060 mm (3' 5-3/4")
Outlet height E	1,015 mm (3' 4")	
Riser height allowed	710 mm (2' 4")	
Weight	50 kg (110 lb)	56 kg (123 lb)
Effective dosing volume	150 L	255 L
Total volume At water inlet level	240 L	400 L

Water inlet
Ø 100 mm (4") nominal

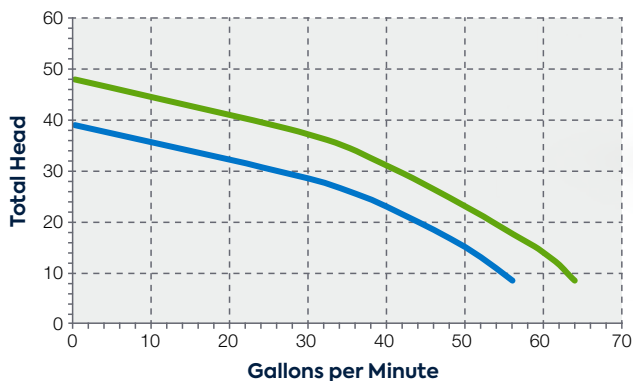
Water outlet
Ø 38 mm (1-1/2") or
Ø 50 mm (2") nominal

Air flow
Ø 100 mm (4") nominal



Pumps

PERFORMANCE CURVE



Legend

- Champion 0.5 hp pump (with Ecoflo biofilter)
8.5 A, 1 phase, 60 Hz, 115 V
- Champion 0.4 hp pump (with integrated DiUV)
6.6 A, 1 phase, 60 Hz, 115 V



3
YEAR
WARRANTY

Parts and labour

ELECTRICAL SPECIFICATION FOR FLOATS

Float switches must be used with pumps that provide integral thermal overload protection.

	Single Phase	
	Maximum Pump Running Current	Maximum Pump Starting Current
120 VAC 50/60 Hz	13 A	60 A
230 VAC 50/60 Hz	12 A	60 A

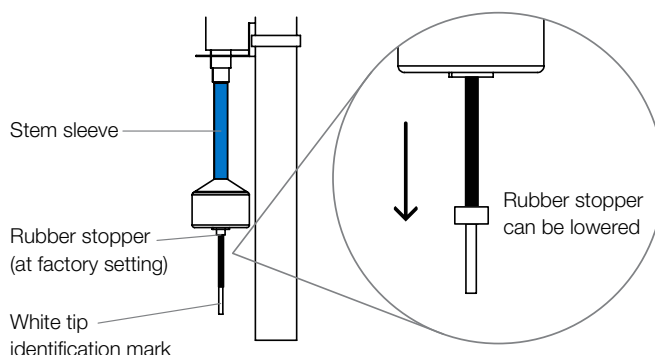
Pumps that exceed the currents in these specifications require a pump controller that will allow the stock floats to be used for signal rather than providing power.

Float adjustments

The dose given by the on/off float depends on the length of the float stem, the length of the stem sleeve, and the position of the rubber stopper.

The factory setting will give the minimum dose. To customize the setting to accommodate local regulations or on-site requirements:

- cut a section of the stem sleeve
- lower the rubber stopper along the stem



POLYETHYLENE

Desired Dose Volume					Adjustment	Final Sleeve Length
2.8	3.4	4.1	5.7	7.3		
80 L	91 L	98 L	76 L		None (factory setting)	115 mm (4-1/2")
83 L	114 L	132 L	114 L	151 L	Lower rubber stopper 6 mm (1/4") along stem	115 mm (4-1/2")
303 L	360 L	379 L	322 L	435 L	Lower rubber stopper 64 mm (2-1/2") along stem*	115 mm (4-1/2")
398 L	454 L	492 L	416 L	587 L	Make sleeve 90 mm long and lower rubber stopper 64 mm (2-1/2") along stem*	90 mm (3-1/2")
492 L	568 L	625 L	530 L	738 L	Make sleeve 64 mm long and lower rubber stopper 64 mm (2-1/2") along stem*	64 mm (2-1/2")
606 L	681 L	757 L	662 L	890 L	Make sleeve 38 mm long and lower rubber stopper 64 mm (2-1/2") along stem*	38 mm (1-1/2")
			871 L	1,117 L	Remove sleeve and lower rubber stopper 64 mm (2-1/2") along stem*	0 mm (0")

* Or until identification mark.



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