



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**
- **2,420 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

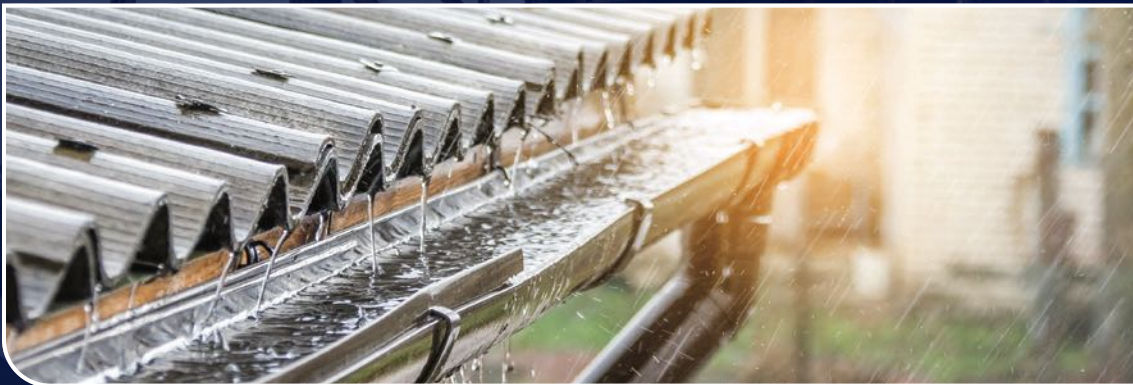
residential



commercial



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.

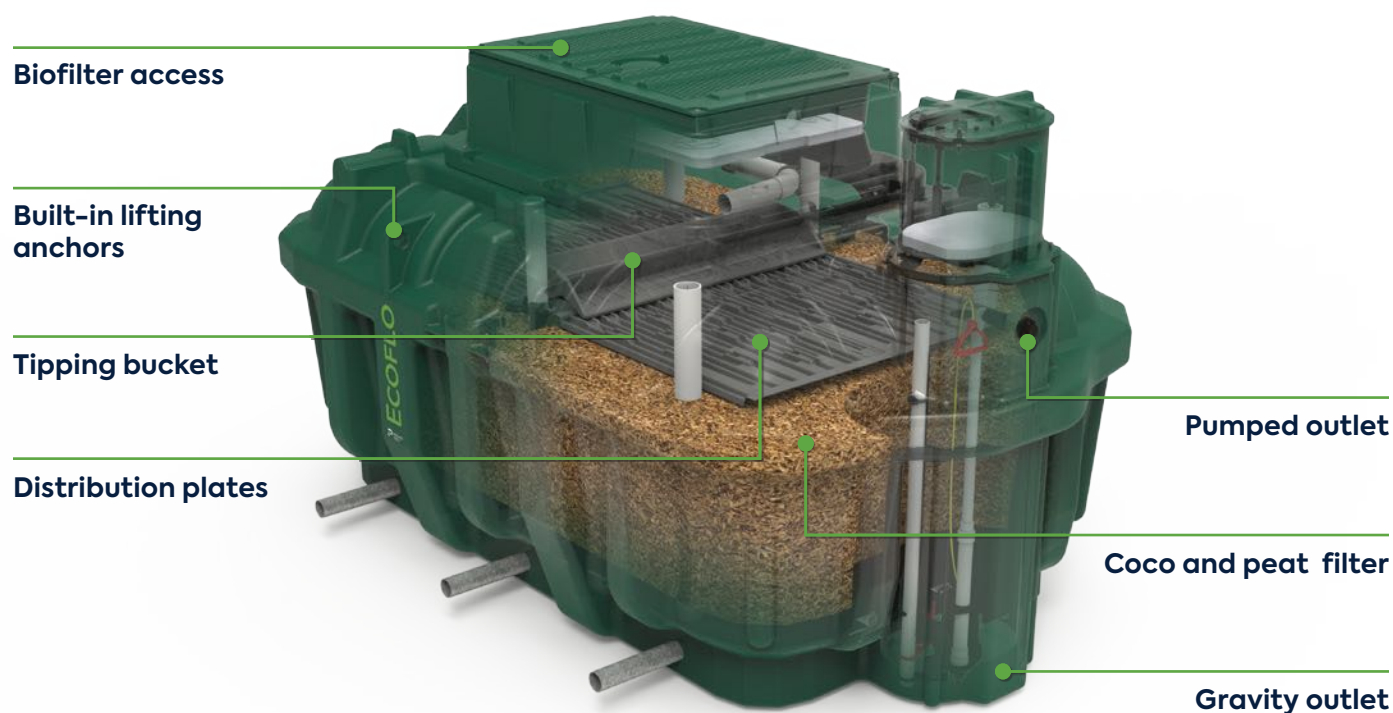


FULL CUSTOMER SUPPORT

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 Ecoflo, the most eco-responsible septic system available.



THE #1 COMPACT FILTER CHOICE!



**SEE HOW ECOFLO
IS INSTALLED**
[ECOFLO.LINK/YOUTUBE](https://www.ecoflo.link/youtube)

> QUICK INSTALLATION

- ready-to-use models
- easy-to-follow instructions
- troubleshooting by our experts

> MODELS FOR ANY SITE

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

> PRODUCT AVAILABILITY

- 14 depots across Ontario
- 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

> ECOFLO OUTPERFORMS STANDARDS

(CAN/BNQ certification standard 3680-600)

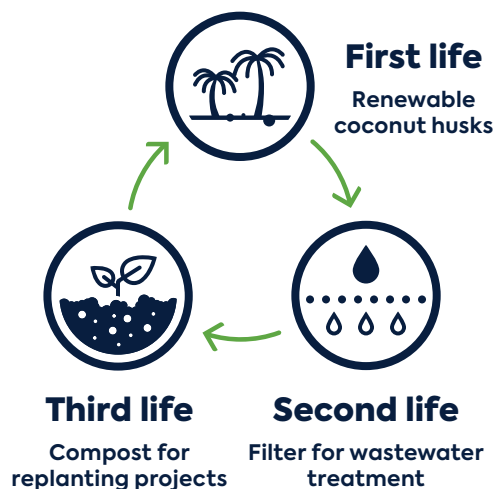
| Parameter | Class B-IV Requirements* | Ecoflo Effluent† | |
|-------------------------|--------------------------|------------------|------------|
| | | Demand Dose | Timed Dose |
| TSS | ≤ 10 mg/L | 3 mg/L | 8 mg/L |
| CBOD₅ | ≤ 10 mg/L | 4 mg/L | 6 mg/L |
| Fecal coliforms | No requirement | — | — |

* 30-day average.

† With coco and peat filtering medium.

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

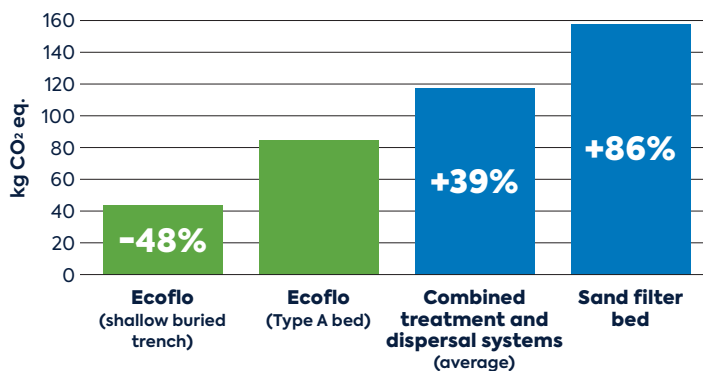
PEACE-OF-MIND PERFORMANCE

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

LOWEST CARBON FOOTPRINT

From production and shipping to installation, maintenance, and usage, Ecoflo 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 Ontario.
- Systems installed in soil with percolation rate of 30 min/cm and rated for four bedrooms.
- Distances between installations and required materials assumed to be 60 km for filtration sand and stone, 33 km for backfill.
- Ecoflo installations include two possible scenarios for final dispersal: final dispersal to Type A dispersal bed or final dispersal to shallow buried trench.
- CO₂ emissions for transport of filtering media, dispersal aggregates, and backfill.

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



A product supported by the manufacturer

INFO-SHARING VISIT

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

ANNUAL MAINTENANCE

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

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

FILTER REPLACEMENT

By having the filtering medium 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 filters are 100% compostable (unlike petroleum-based filtering media)



MAINTENANCE FEES 2021

| Maintenance | Fee* | |
|--|--|--|
| Ecoflo (regular maintenance) | \$154 | Early bird \$10 discount available† |
| Ecoflo (media-for-life)‡ | \$234 | |
| Double installation | -25% (in the second unit) | |
| Triple installation | -40% (in the third unit) | |
| Filtering medium replacement (reference: model 650)§ | \$1,945 (include the maintenance following year) | |

* Taxes not included.

† \$5 discount for renewals made before Jan. 1, plus \$5 discount for pre-authorized payments.

‡ Filtering medium paid every year, only need to pay the pump and disposal.

§ Only for regular maintenance.



ECOFLO[®]

Polyethylene

Solution for:

- 2,810 L/d maximum capacity
- sites with limited space
- simple and quick installations

Advantages:

- ready to use
- compact and lightweight
- integrated pumping chamber
- Type A dispersal bed directly under the tank (perforated bottoms only)



**NEVER NEEDS
ELECTRICITY!**

Perforated and
gravity bottoms

ECOFLO[®]

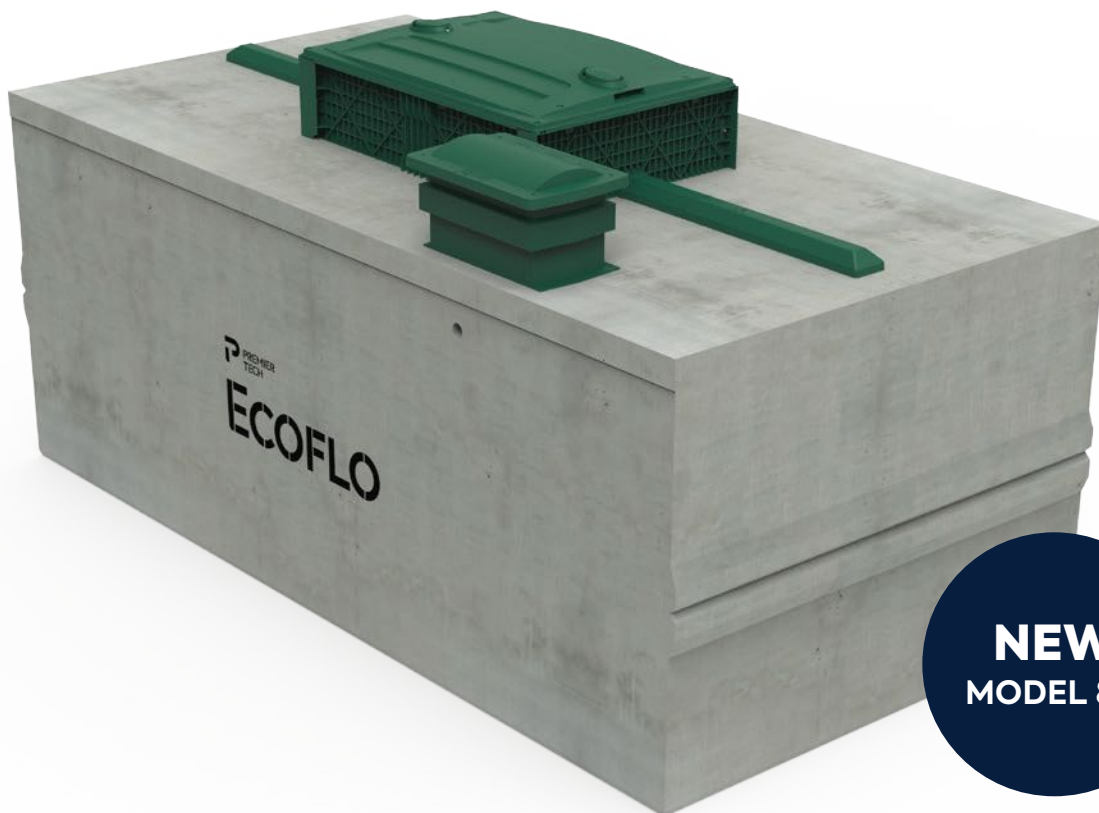
Concrete

Solution for:

- 3,250 L/d maximum capacity
- all soil types
- all water tables

Advantages:

- high-strength tank
- install in groundwater up to the inlet pipe (pumped models only)
- one riser of 200 mm (8") allowed



NEW
MODEL 8.4

ECOFLO[®]

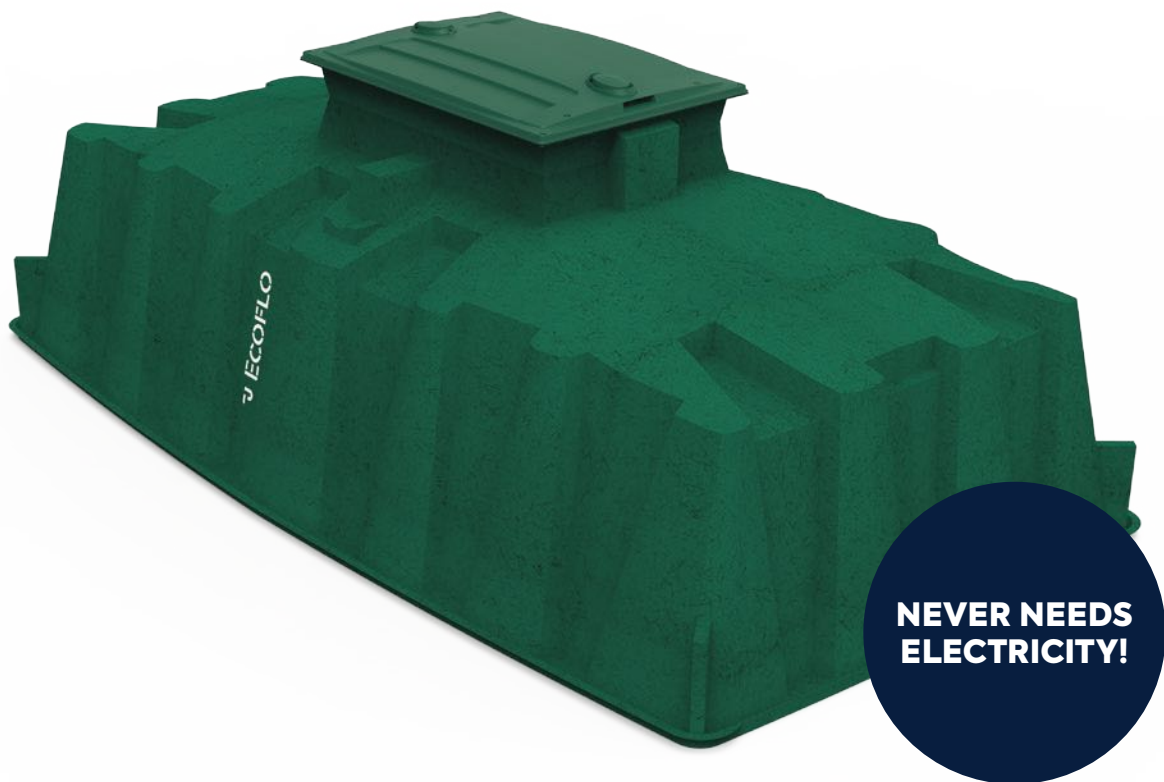
Fibreglass

Solution for:

- 2,890 L/d maximum capacity
- sites with limited space
- remote locations

Advantages:

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



REWATEC™

Nitrogen reduction (ECDn)

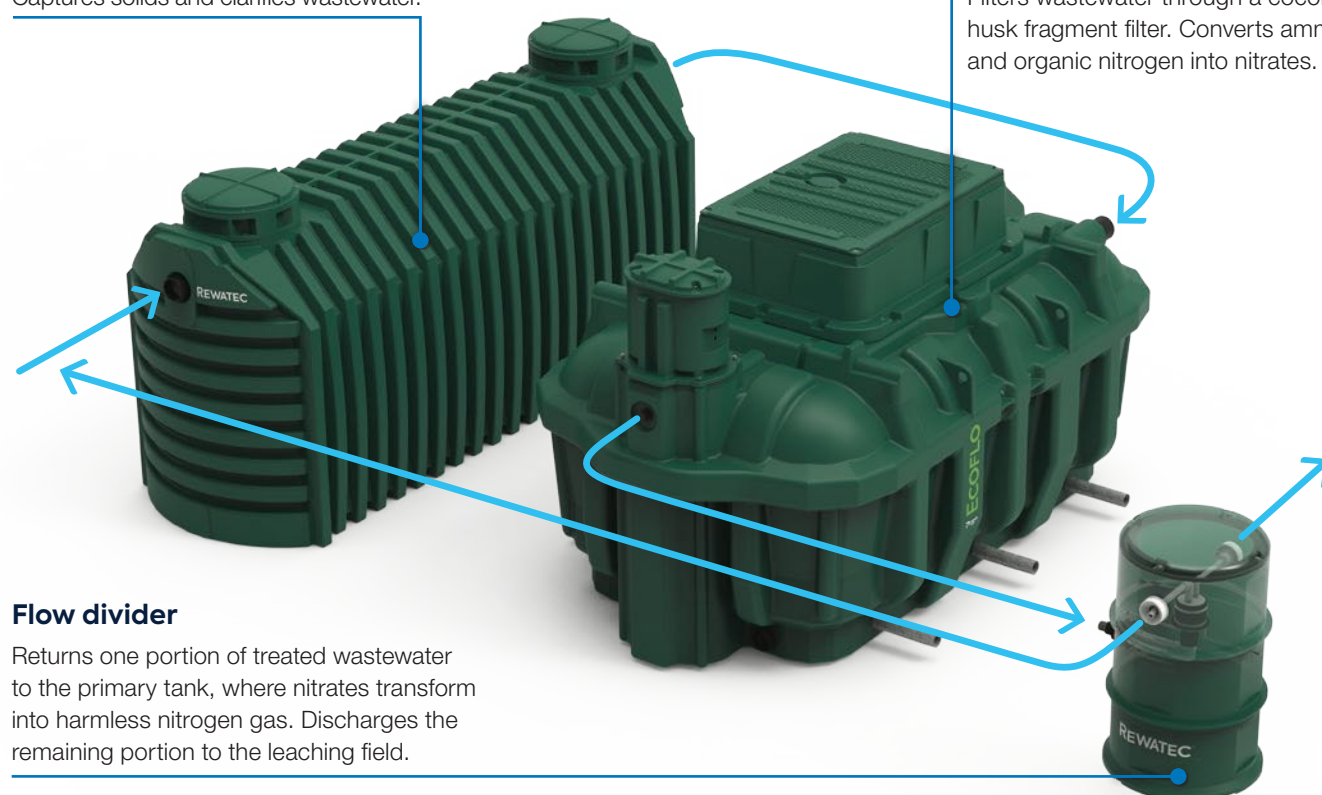
Our nitrogen reduction option converts ammoniacal nitrogen into nitrogen gas, so you can safely discharge wastewater near ecologically sensitive areas.

Septic tank (with baffle)

Captures solids and clarifies wastewater.

Ecoflo

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 to the leaching field.

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.

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 21 for technical information.

Phosphorus removal (DpEC)

Without proper treatment, phosphorus in wastewater can cause harmful algae growth in lakes and rivers. Protect these sensitive areas with our phosphorus removal option.

Electrocoagulation unit

Reaction zone

Has two pairs of self-cleaning aluminum electrodes. Aluminum particles react with phosphorus in wastewater, transforming soluble phosphorus into solids compounds.

Separation zone

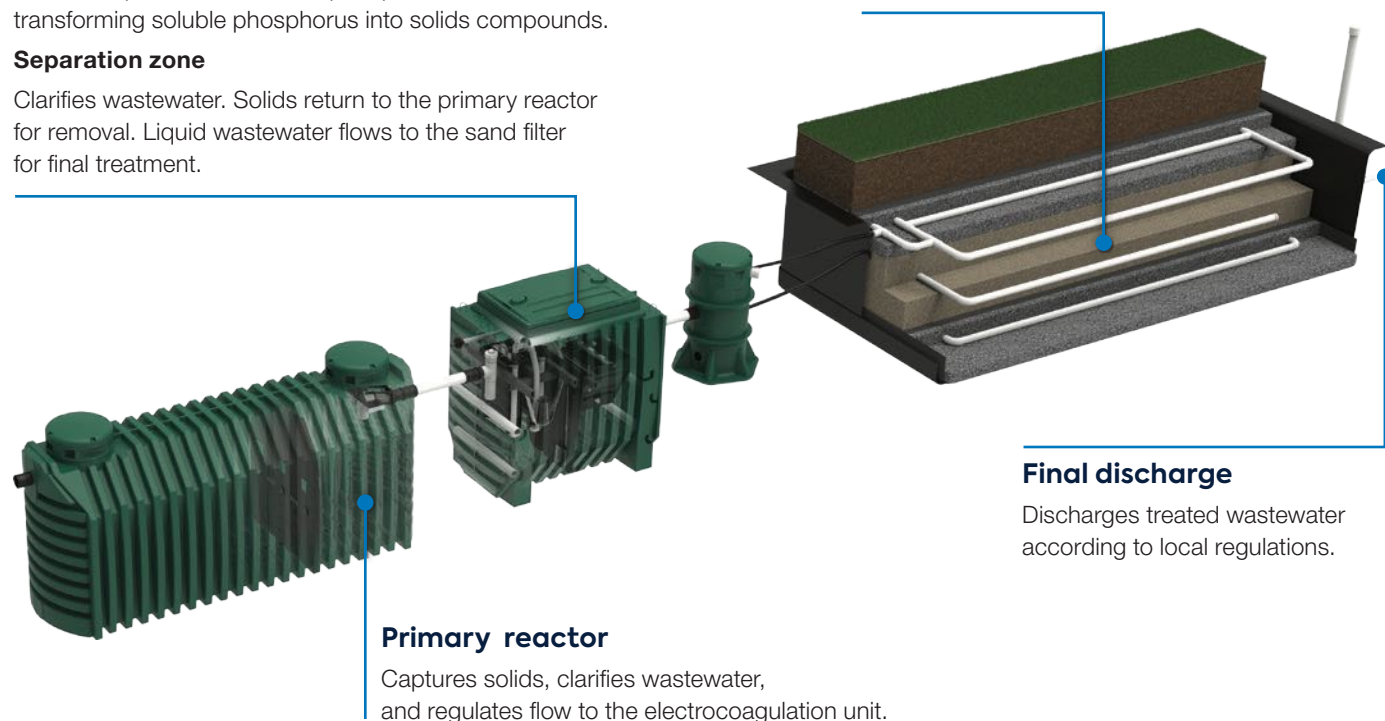
Clarifies wastewater. Solids return to the primary reactor for removal. Liquid wastewater flows to the sand filter for final treatment.

Watertight sand filter

Performs final wastewater treatment.

Final discharge

Discharges treated wastewater according to local regulations.



TREATMENT RESULTS

| Parameter | BNQ* Effluent Standard | DpEC + Sand Filter Effluent |
|-------------------|------------------------|-----------------------------|
| TSS | < 15 mg/L | 1 mg/L |
| CBOD ₅ | < 15 mg/L | 2 mg/L |
| Total phosphorus | < 1 mg/L | 0.04 mg/L |
| Fecal coliforms | < 200 CFU/100 mL | < 47 CFU/100 mL |

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

REWATEC™

Components and accessories

SEPTIC TANKS

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

Refer to page 22
for technical information.



PUMPING STATIONS

- up to 255 L effective dosing volume

Refer to page 23
for technical information.



PUMPS

- up to 0.5 hp
- reliable and durable

Refer to page 23
for technical information.



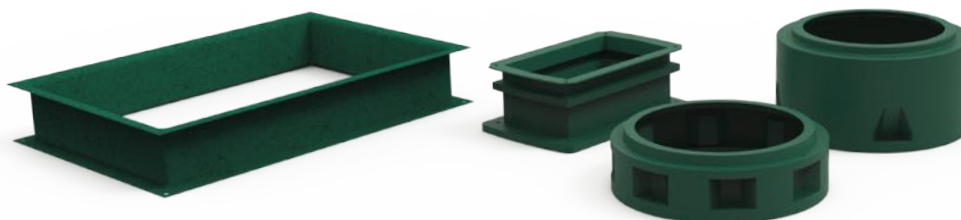
FLOW DIVIDERS

- pressurized or gravity flow
- two to 10 outlets



RISERS

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



ECOFLO[®]

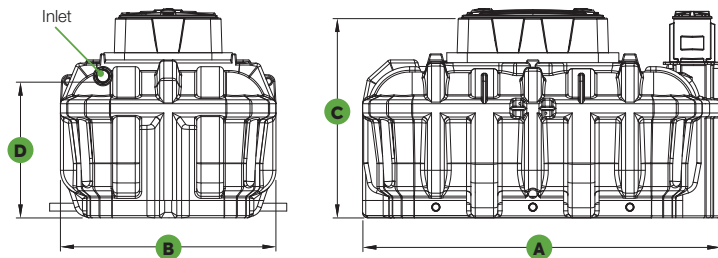
Polyethylene

Perforated tank bottom



| | | ST-570P | ST-730P |
|---|----------|---------------------|---------------------|
| Hydraulic capacity with demand dose | | 1,755 L/d | 2,250 L/d |
| Hydraulic capacity with time dose | | 2,200 L/d | 2,810 L/d |
| Length | A | 3,380 mm (11' 1") | 4,130 mm (13' 7") |
| Width | B | 2,000 mm (6' 7") | 2,050 mm (6' 9") |
| Height | C | 1,850 mm (6' 1/2") | |
| Inlet height from bottom | D | 1,260 mm (4' 2") | |
| Riser height allowed | | No risers allowed | |
| Weight | | 1,120 kg (2,460 lb) | 1,355 kg (2,990 lb) |
| Includes internal components and filtering medium | | | |

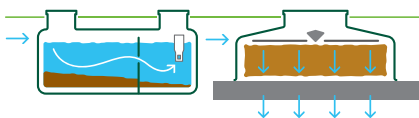
Water inlet
Ø 100 mm (4") nominal



TYPICAL INSTALLATIONS

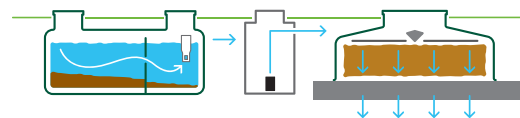
Demand-dose influent

Direct infiltration to Type A dispersal bed



Time-dose influent

Direct infiltration to Type A dispersal bed



ECOFLO®

Polyethylene

Watertight tank bottom



| | | STB-570P | STB-570PR | STB-730P | STB-730PR |
|---|----|---------------------|-----------|---------------------|-----------|
| Hydraulic capacity with demand dose | | 1,755 L/d | | 2,250 L/d | |
| Hydraulic capacity with time dose | | 2,200 L/d | | 2,810 L/d | |
| Length | A | 3,380 mm (11' 1) | | 4,130 mm (13' 7") | |
| Width | B | 2,000 mm (6' 7") | | 2,050 mm (6' 9") | |
| Height | C | 1,850 mm (6' 1") | | | |
| 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 risers allowed | | | |
| Weight | | 1,200 kg (2,640 lb) | | 1,415 kg (3,120 lb) | |
| Includes internal components and filtering medium | | | | | |
| Dosing volume | | — | 870 L | — | 1,120 L |
| Total emergency storage capacity | | — | 4,370 L | — | 6,030 L |

Water inlet

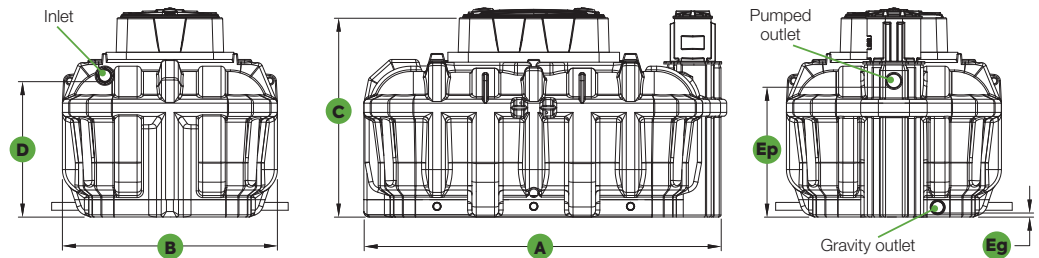
Ø 100 mm (4") nominal

Gravity water outlet

Ø 100 mm (4") nominal

Pumped water outlet

Ø 25 mm (1") nominal



TYPICAL INSTALLATIONS

Demand-dose influent

Gravity discharge to Type A or B dispersal bed, or shallow buried trench

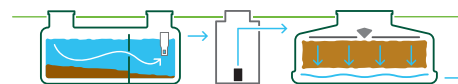


Pumped discharge to Type A or B dispersal bed, or shallow buried trench



Time-dose influent

Gravity discharge to Type A or B dispersal bed, or shallow buried trench



Pumped discharge to Type A or B dispersal bed, or shallow buried trench



ECOFLO[®]

Concrete

Closed tank bottom



| | | STB-650B | STB-650BR | STB-840B | STB-840BR |
|--|----|----------------------|----------------------|-----------------------|------------------------|
| Hydraulic capacity with demand dose | | 2,000 L/d | | 2,600 L/d | |
| Hydraulic capacity with time dose | | 2,500 L/d | | 3,250 L/d | |
| Length | A | 3,800 (12' 6") | | 4,910 mm (16' 1-1/3") | |
| Width | B | 1,960 mm (6' 5-1/2") | | 2,097 mm (6' 10-1/2") | |
| Height | C | 1,820 mm (6') | | 2,025 mm (6' 7-3/4") | |
| Inlet height from bottom | D | 1,250 mm (4') | | 1,431 mm (4' 8-1/3") | |
| Gravity water outlet height | Eg | 150 mm (6") | — | 152 mm (6") | — |
| Pumped water outlet height | Ep | — | 1,340 mm (4' 5") | — | 1,496 mm (4' 10-9/10") |
| Riser height allowed | | 200 mm (8") | | | |
| Tank weight | | 4,990 kg (11,000 lb) | | 6,850 kg (15,100 lb) | |
| Filtering medium and internal components weight | | 400 kg (880 lb) | | 450 kg (1,000 lb) | |
| Top slab weight | | 1,815 kg (4,000 lb) | | 2,815 kg (6,200 lb) | |
| Total weight | | 7,200 kg (15,880 lb) | 7,210 kg (15,900 lb) | 10,115 kg (22,300 lb) | 10,125 kg (22,320 lb) |
| Includes tank, top slab, internal components, and filtering medium | | | | | |
| Dosing volume | | — | 300 L | — | 500 L |
| Retention volume | | — | 950 L | — | 2,000 L |
| Between bottom of filtering medium and base of tank | | | | | |

Water inlet

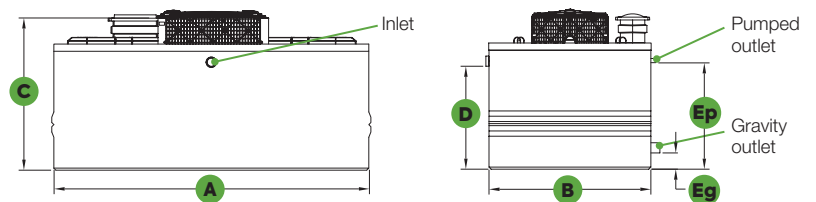
Ø 100 mm (4") nominal

Gravity water outlet

Ø 100 mm (4") nominal

Pumped water outlet

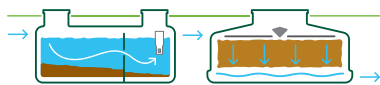
Ø 25 mm (1") nominal



TYPICAL INSTALLATIONS

Demand-dose influent

Gravity discharge to Type A or B dispersal bed, or shallow buried trench

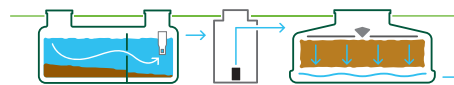


Pumped discharge to Type A or B dispersal bed, or shallow buried trench

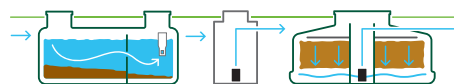


Time-dose influent

Gravity discharge to Type A or B dispersal bed, or shallow buried trench



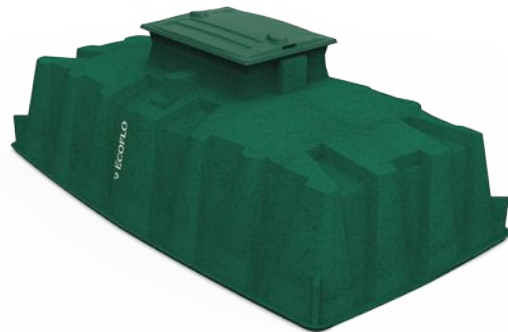
Pumped discharge to Type A or B dispersal bed, or shallow buried trench



ECOFLO[®]

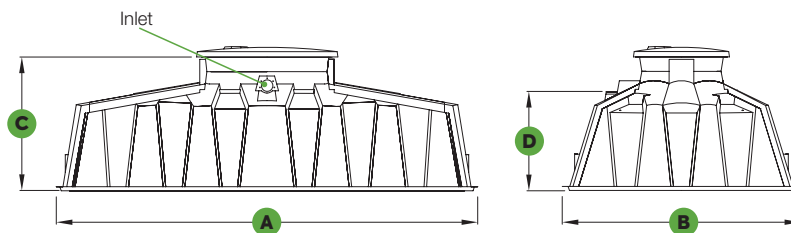
Fibreglass

Open tank bottom



| | ST-500 | ST-650 | ST-750 |
|-------------------------------------|-------------------|-------------------|-------------------|
| Hydraulic capacity with demand dose | 1,600 L/d | 2,000 L/d | 2,310 L/d |
| Hydraulic capacity with time dose | 2,000 L/d | 2,500 L/d | 2,890 L/d |
| Length A | 3,345 mm (11') | 4,175 mm (13' 8") | 4,675 mm (15' 4") |
| 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) | 135 kg (300 lb) | 145 kg (320 lb) |

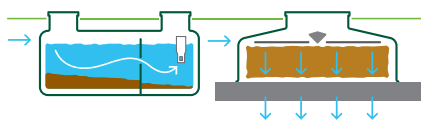
Water inlet
Ø 100 mm (4") nominal



TYPICAL INSTALLATIONS

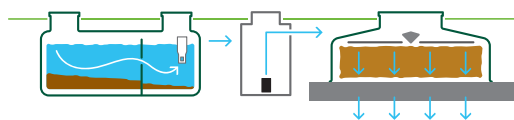
Demand-dose influent

Direct infiltration to Type A dispersal bed



Time-dose influent

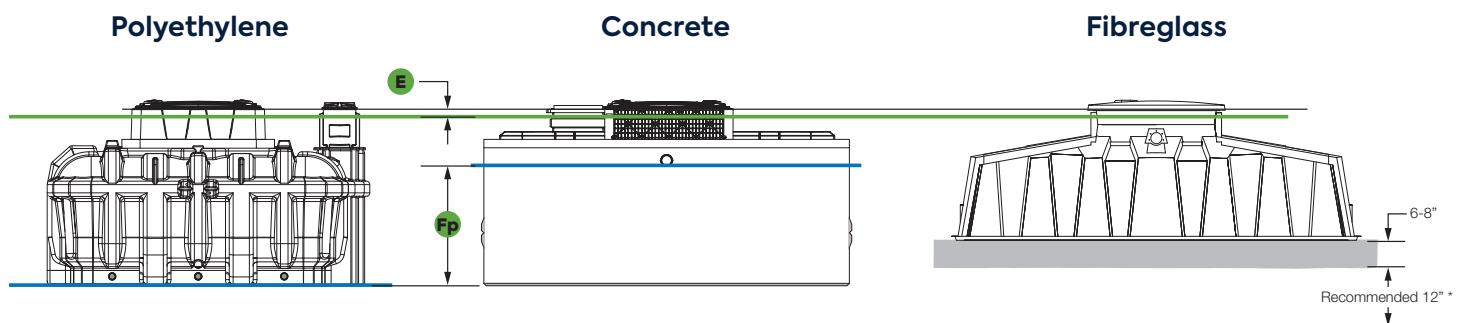
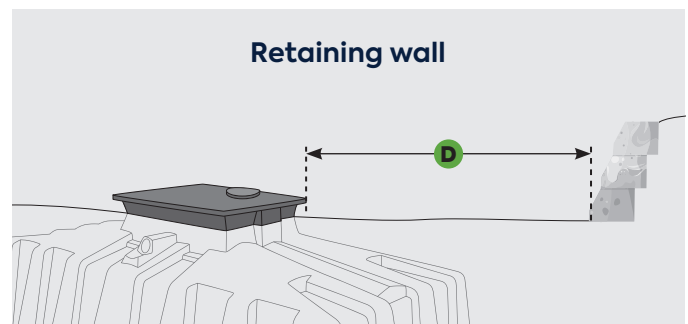
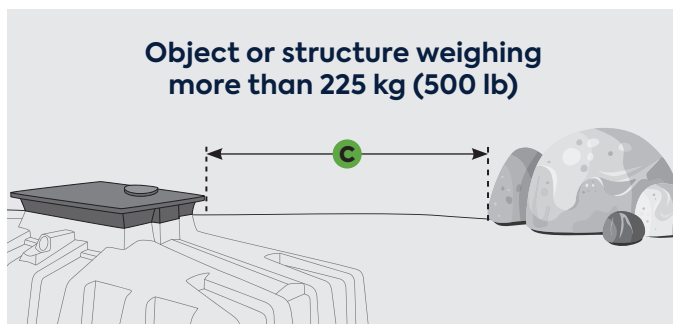
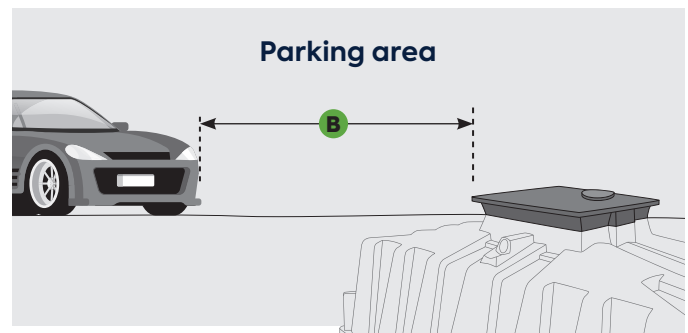
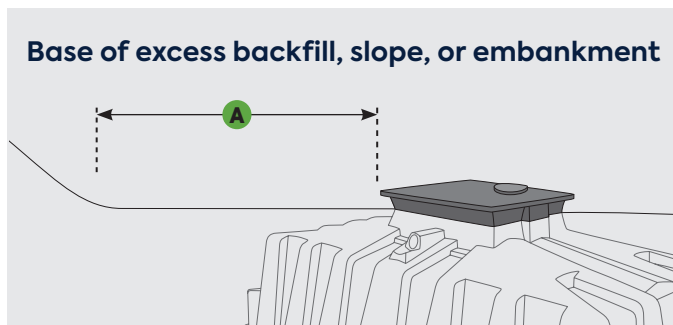
Direct infiltration to Type A dispersal bed



Recommended distances

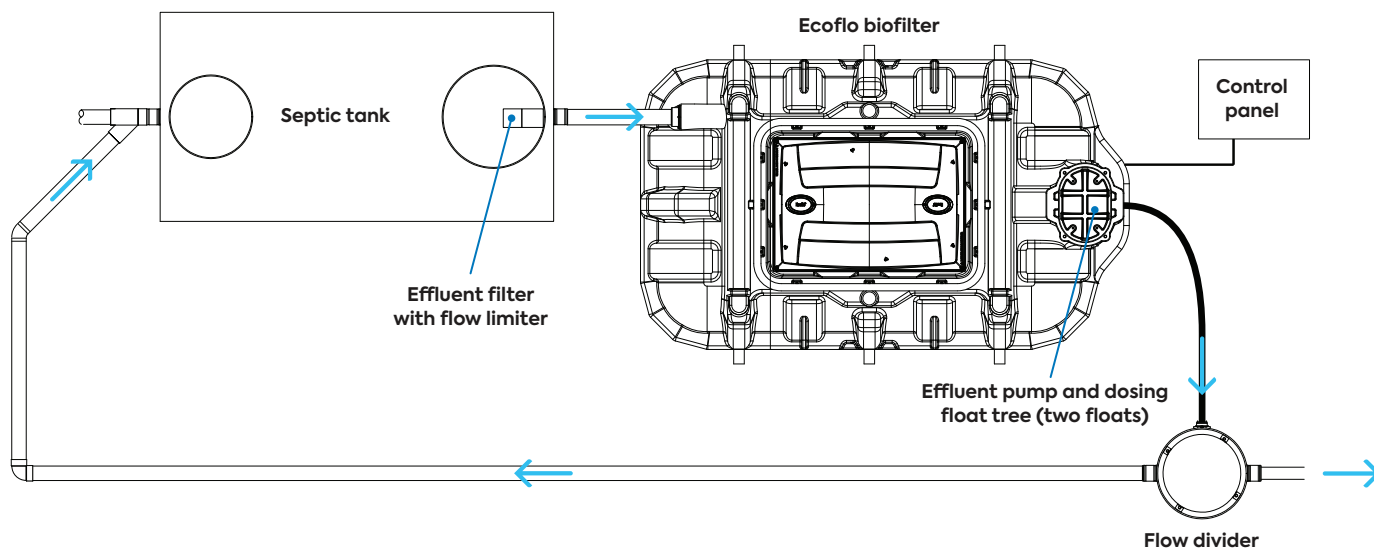
We recommend the following distances guidelines. Failure to abide by these guidelines may void the warranty of the installation.

| Reference Points | | Polyethylene | Concrete | Fibreglass |
|---|-----------|-------------------------------|----------------------------|-------------------------------|
| Base of excess backfill, slopes, or embankments vs. biofilter lid | A | 4 m (13') | 3 m (10') | 5 m (16') |
| Parking area vs. biofilter lid | B | 4 m (13') | 3 m (10') | 5 m (16') |
| Object or structure weighing more than 500 lb (225 kg) vs. biofilter lid | C | 4 m (13') | 3 m (10') | 5 m (16') |
| Retaining wall vs. biofilter lid | D | 4 m (13') | 3 m (10') | 5 m (16') |
| Finished landscaping vs. base of biofilter lid | E | 50 mm (2") | | |
| Tree vs. biofilter lid | | — | | 3 m (10') |
| 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 | Do not install in groundwater | Up to bottom of inlet pipe | Do not install in groundwater |



Nitrogen reduction (ECDn)

TYPICAL INSTALLATION



ECOFLO COMPATIBILITY

Polyethylene

| Hydraulic Capacity | Polyethylene Model |
|--------------------|--------------------|
| 1,755 L/d | ECDN-1755-P |
| 2,250 L/d | ECDN-2250-P |







Concrete

| Hydraulic Capacity | Polyethylene Model |
|--------------------|--------------------|
| 2,500 L/d | ECDN-2500-C |

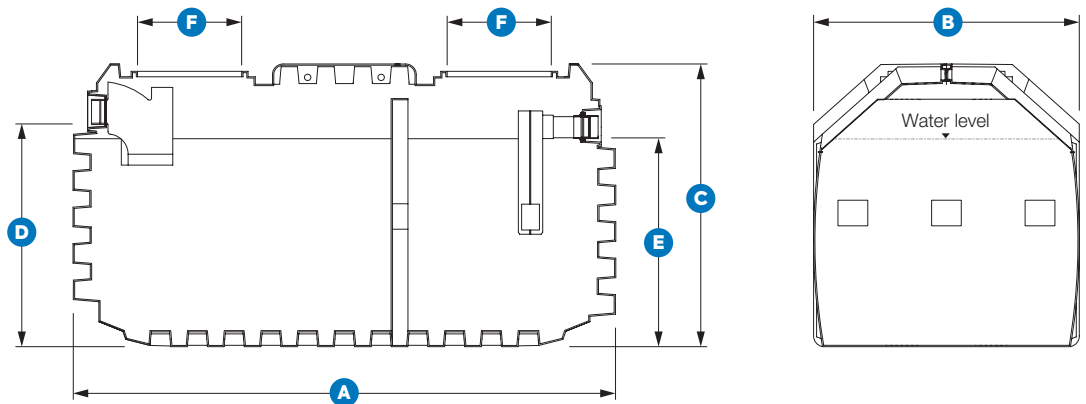


Septic and holding tanks



| | Septic Tanks with Effluent Filter | | | Holding Tank* |
|---|-----------------------------------|----------------------|-----------------|----------------------|
| | PST-420 | PST-500 | PST-660 | PHT-660 |
| Total nominal capacity | 4,300 L | 4,800 L | 6,650 L | |
| Liquid capacity | 3,600 L | 4,100 L | 5,800 L | 5,900 L |
| Length  | 3,777 mm (12' 4-3/4") | 2,920 mm (9' 7") | 3,965 mm (13') | |
| Width  | 1,250 mm (4' 1-1/4") | 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") | | |
| Outlet height  | 980 mm (3' 2-1/2") | 1,320 mm (4' 4") | | — |
| Openings diameter  | 470 mm (1' 6-1/2") | | | |
| Weight | 240 kg (529 lb) | 265 kg (584 lb) | 325 kg (717 lb) | 350 kg (772 lb) |
| Certification | CSA | BNQ/CSA | BNQ/CSA | CSA |

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



REWATEC™

Pumping stations

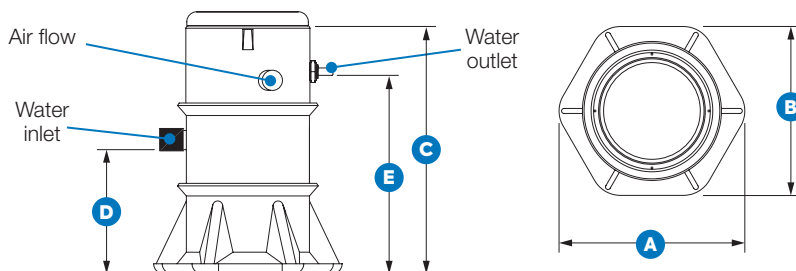


| | | PSA-240 | PSA-240H |
|---|----------|-------------------------------------|----------------------|
| Pump | | 120 V | |
| Float | | On/off pump switch and alarm switch | |
| Length of base | A | 950 mm (3' 1-1/2") | |
| Width of base | B | 865 mm (2' 10") | |
| Height | C | 1,270 mm (4' 2") | 1,625 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 (28") | |
| 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

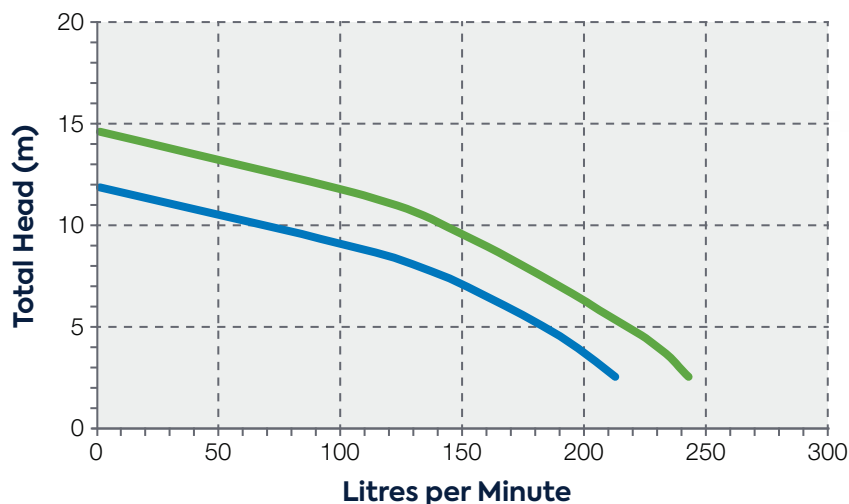
Water outlet
Ø 38 mm (1-1/2") or
Ø 50 mm (2") nominal

Air flow
Ø 100 mm (4") nominal



Pumps

PERFORMANCE CURVE



Legend

- Champion 0.4 hp pump
(with Ecoflo and pumping stations)
6.6 A, 1 phase, 60 Hz, 115 V
- Champion 0.5 hp pump
8.5 A, 1 phase, 60 Hz, 115 V



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

SALES AND SERVICES

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