

FDi

EXCLUSIVE to
Ecoflo®

Disinfection Filter

BNQ
Certified



Unique

The perfect solution for any project requiring wastewater disinfection in difficult site conditions

Economical

Energy – efficient system

Less than
3\$/year

Flexible

Designed for continuous or intermittent use; ideal for new homes or the replacement of old systems

High Performance

Safe and durable technology that achieves stable treatment performance and gives you peace of mind. System maintenance is not regulated by municipalities.

Renowned

Premier Tech Environnement: serving people for over 20 years!

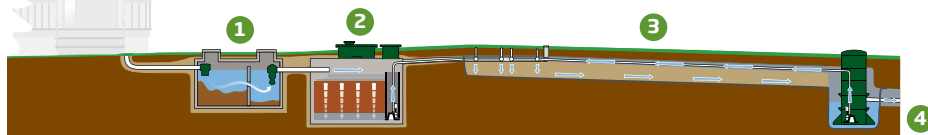
 **PREMIER TECH**
AQUA

Superior Protection from a Filter

Ideal for lots where infiltration of treated water is impossible

- Clayey soil
- Bedrock near the surface
- Shallow groundwater table
- Limited space

Ecoflo® Treatment System including a FDi Disinfection Filter



1 Septic tank equipped with an effluent filter

2 Ecoflo® with bottom or Ecoflo® without bottom

3 FDi Disinfection Filter

Wastewater from the Ecoflo® is evenly distributed over the entire surface of the FDi filter, either through a low-pressure distribution system (for Ecoflo® systems with collecting bottom) or by gravity (for Ecoflo® systems without bottom). The water percolates through a layer of sand and trickles slowly over the

entire length of the FDi. Then, a water collection pipe takes the water to a recirculation station. Three times a day, some of this water is taken back to the entrance of the FDi in a process that guarantees optimal system performance. The recirculation station disposes of the final effluent by gravity.

4 Final wastewater disposal

Wastewater is taken directly to a ditch or a watercourse (in conformity with Regulation Q-2, r. 8). If you are unsure what to do, do not hesitate to contact your consultant or technologist.



Superior Performance

Results from the BNQ Test Bench

Parameters	Class V: tertiary with disinfection	
	Results*	Requirements
BOD ₅ (biochemical oxygen demand)	2 mg/L	≤ 15 mg/L
TSS (total suspended solids)	2 mg/L	≤ 15 mg/L
Fecal coliforms	9 CFU/100mL**	≤ 200 CFU/100mL

* Results from the certification test conducted according to standard NQ 3680-910. Results obtained with raw water exhibiting the following mean characteristics: BOD₅ = 215 mg/L, TSS = 230 mg/L and fecal coliforms = 2 600 000 CFU/100mL.

** CFU: colony-forming units

FDi Dimensions

Number of bedrooms	Total daily flow	Bed length	Bed width
2 or less	1080 L	7 m	4,8 m
3	1260 L		5,6 m
4	1440 L		6,4 m
5	1800 L		2 sections of 4,0 m
6	2160 L		2 sections of 4,8 m



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The strength of Premier Tech Aqua

- Over 40 000 installations
- Documented system traceability, inspection, maintenance, and follow-up
- More than 2 500 partners
- Presence in North America, Europe and Asia
- Team of 25 experts entirely dedicated to IR&D
- Treatment performance surpassing regulatory requirements

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