

FDi

Disinfection Filter

Tertiary Treatment Percolation Bed



EXCLUSIVE to
Ecoflo[®]

WASTEWATER TREATMENT



Reliable and durable solution offering
real peace of mind to homeowners.

Unique

Perfect solution for any project requiring wastewater disinfection in difficult site conditions.

Cost-effective

Low-energy
treatment system.

Less than
3\$/year

Flexible

Designed for new housing constructions or failing system replacement projects.

Proven

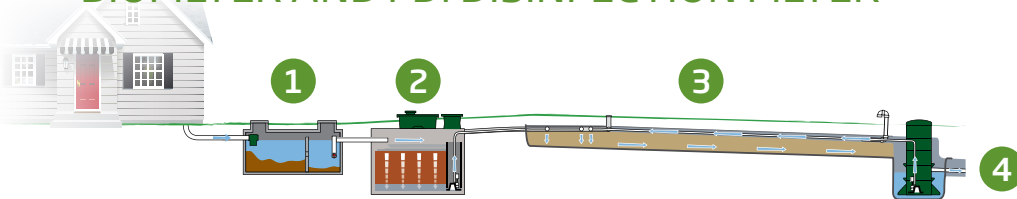
Safe passive disinfection technology accepted by all municipalities.

SUPERIOR PROTECTION FROM A FILTER

IDEAL FOR SITES WHERE INFILTRATION OF TREATED WATER IS NOT POSSIBLE

- Clayey soil
- Bedrock near soil surface
- Shallow groundwater
- Limited area

TREATMENT CHAIN INCLUDING AN ECOFLO® BIOFILTER AND FDi DISINFECTION FILTER



1 Septic tank equipped with an effluent filter

2 Ecoflo® Biofilter

3 FDi Disinfection Filter

Wastewater from the Ecoflo is evenly distributed on the surface of the entry zone of the FDi filter, either through a low pressure distribution system (Ecoflo watertight bottom) or by gravity (Ecoflo open bottom). The water percolates through a layer of sand and trickles slowly over the entire length of the FDi. A water collection pipe then directs the water to a recirculation station. Three times a day, part of this water is returned to the surface of the entry zone of the FDi to ensure optimal system performance. The final effluent is discharged by gravity via the recirculation station.

4 Final wastewater disposal

The treated water is discharged directly to a ditch or watercourse in accordance with the Q-2, r.22 Regulation.



SUPERIOR PERFORMANCE

Results from the BNQ Test Bench

Parameters	Class V: tertiary with disinfection	
	Results*	Requirements
BOD ₅ C	2 mg/L	≤ 15 mg/L
TSS	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 with the following average values: BOD₅ = 215 mg/L, TSS = 230 mg/L and fecal coliforms = 2 600 000 CFU/100mL.

FDi DIMENSIONS

Number of bedrooms	Total daily flow	Filter bed length	Filter bed width
2 or less	1 080 L	7 m	4,8 m
3	1 260 L	7 m	5,6 m
4	1 440 L	7 m	6,4 m
4	1 620 L	7 m	6,4 m
5	1 800 L	7 m	2 sections of 4,0 m
6	2 160 L	7 m	2 sections of 4,8 m
—	3 240 L	7 m	2 sections of 7,2 m

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