

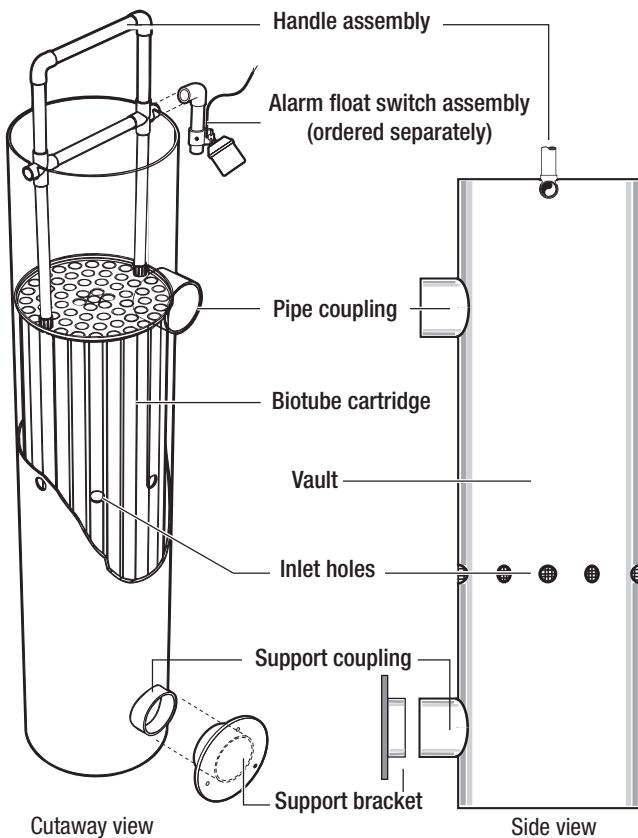
Biotube® FT-Series 8, 12, and 15in Effluent Filters

Applications

Orenco Biotube FT-Series 8, 12, and 15in Effluent Filters are designed to remove solids from effluent leaving commercial septic tanks. They can be used in new and existing tanks.

General

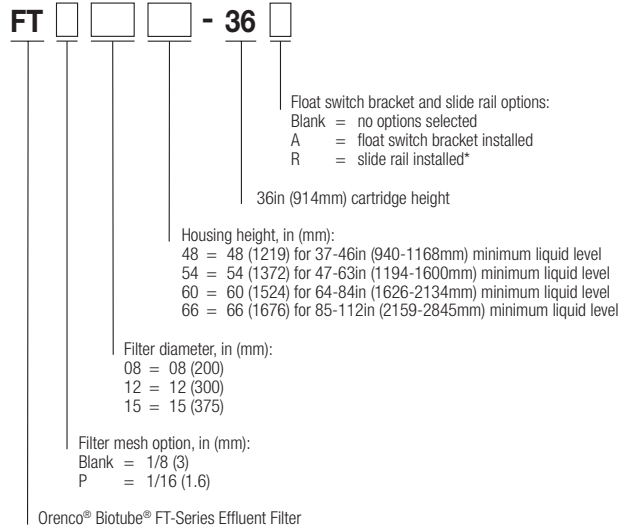
FT-Series 8, 12, and 15in Effluent Filters are used to improve the quality of effluent exiting a commercial septic tank. The Biotube cartridge fits snugly in the vault and is removable for maintenance, the handle assembly snaps into the notches in the top of the vault, and the tee handle can be extended for easy removal of the cartridge. A "base inlet" model (see p. 2) is available for low-profile tanks. An optional slide rail system, available on larger models, simplifies installation and provides tank access for servicing.



Standard Models

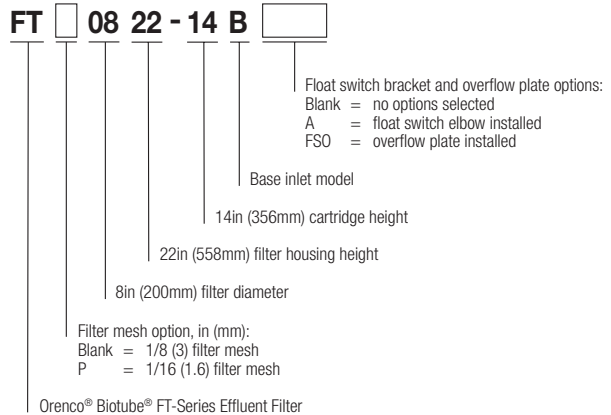
FT0854-36, FT0822-14B, FT1254-36, FT1554-36, FT1254-36AR

Product Code Diagrams



* For 12in and 15in (300mm and 375mm) only; use slide rail option when only one access is available for the filter chamber

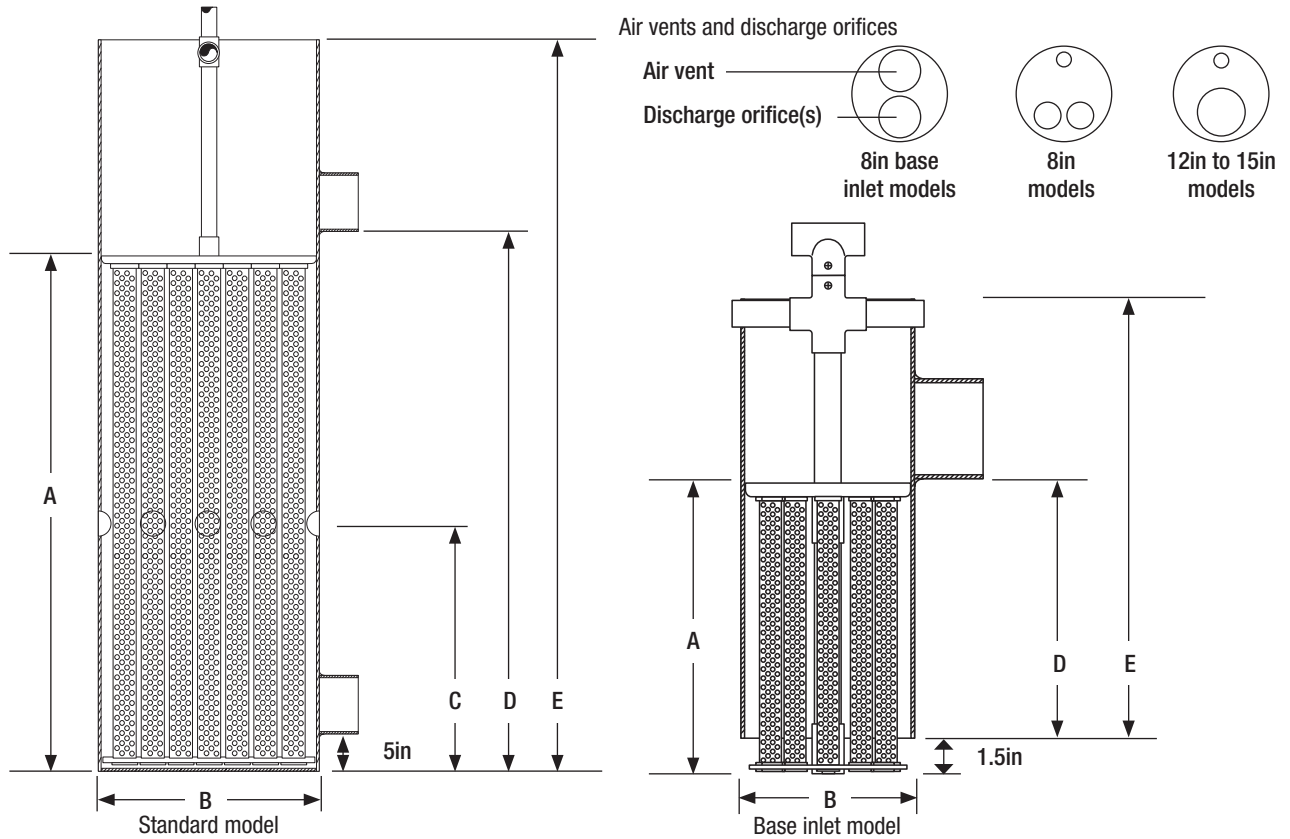
Not all product code configurations may be available as standard products.



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Materials of Construction

Vault	PVC
Pipe coupling	PVC
Handle components	PVC
Support coupling and bracket (12in and 15in filters only)	PVC
Biotube cartridge	Polypropylene and polyethylene



Specifications

Model	FT0854-36	FT0822-14B	FT1254-36	FT1254-36AR	FT1554-36
A Cartridge height, in (mm)	36 (914)	14 (356)	36 (914)	36 (914)	36 (914)
B Nominal diameter, in (mm)	8 (200)	8 (200)	12 (300)	12 (300)	15 (375)
C Inlet hole height*, in (mm)	22 (559)	n/a†	22 (559)	22 (559)	22 (559)
D Vault base to invert height, in (mm)	38 (965)	13 (330)	38 (965)	38 (965)	38 (965)
E Vault height, in (mm)	54 (1372)	22 (559)	54 (1372)	54 (1372)	54 (1372)
Number of inlet holes	8	n/a	8	8	8
Inlet hole diameter, in (mm)	1 3/8 (35)	n/a	1 3/8 (35)	1 3/8 (35)	1 3/8 (35)
Number of discharge orifices	2	1	1	1	1
Discharge orifice diameter, in (mm)	1 1/8 (29)	1 3/4 (44)	2 (51)	2 (51)	2 (51)
Pipe coupling diameter, in (mm)	4 (102)	4 (102)	4 (102)	4 (102)	4 (102)
Number of air vents	1	1	1	1	1
Air vent diameter, in (mm)	3/4 (19)	1 3/4 (44)	3/4 (19)	3/4 (19)	3/4 (19)
Filter surface area‡, ft² (m²)	14.6 (1.36)	6 (0.56)	30 (2.79)	30 (2.79)	50.5 (4.69)
Flow area**, ft² (m²)	4.4 (0.41)	1.8 (0.17)	9 (0.84)	9 (0.84)	15.2 (1.41)

* Inlet hole height can vary depending on the configuration of the tank. Optimum hole height is 65-75% of the minimum liquid level.

† No inlet holes required because influent enters between the vault base and the bottom of the filter cartridge.

‡ Filter surface area is defined as the total surface area of all individual Biotubes within the filter cartridge.

** Flow area is defined as the total open area (area of the mesh openings) of all the individual Biotubes within the filter cartridge.