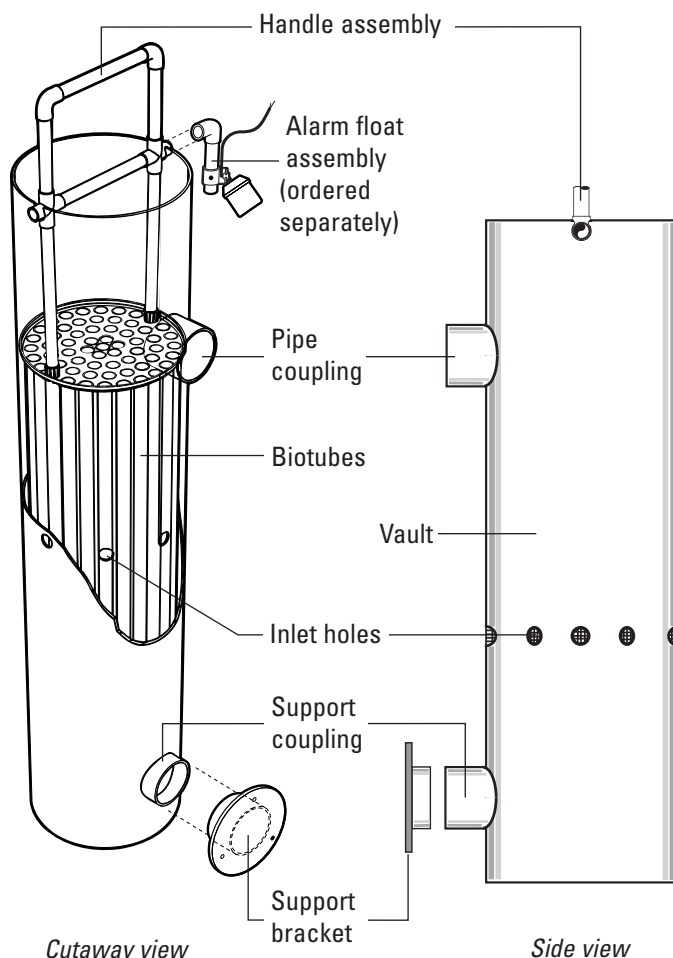


# 8"-15" Dia. Biotube® Effluent Filters

## Applications

Oreco® 8"-15" Biotube® Effluent Filters are designed to remove solids from effluent leaving commercial septic tanks. They can be used in new and existing tanks.



*Note: Support coupling and support bracket are available on 12" and 15" filters only.*

## General

Oreco® 8"-15" Biotube® 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, FT1254-36, FT1554-36, FT0822-14B, FT1254-36AR

## Nomenclature

FT					
					Options:
					Blank = standard series
					A = float bracket*
					B = base inlet series
					R = slide rail series (12" and 15" only)†
					Cartridge height (inches):
					14 = 14" (base inlet)
					36 = 36" (standard height)
					Housing height (inches):
					22 = base inlet model
					48 = when minimum liquid level is 37"-46" (8" dia. only)‡
					54 = when minimum liquid level is 46"-63" ‡
					60 = when minimum liquid level is 64"-84" ‡
					66 = when minimum liquid level is 85"-112" ‡
					Filter diameter:
					08 = 8"
					12 = 12"
					15 = 15"
					Blank = 1/8" filtration
					P = 1/16" filtration
					Biotube™ effluent filter series

\* Indicates bracket is epoxied to housing (add-on alarm also available)

† Use the slide rail when only one access is available for the filter chamber

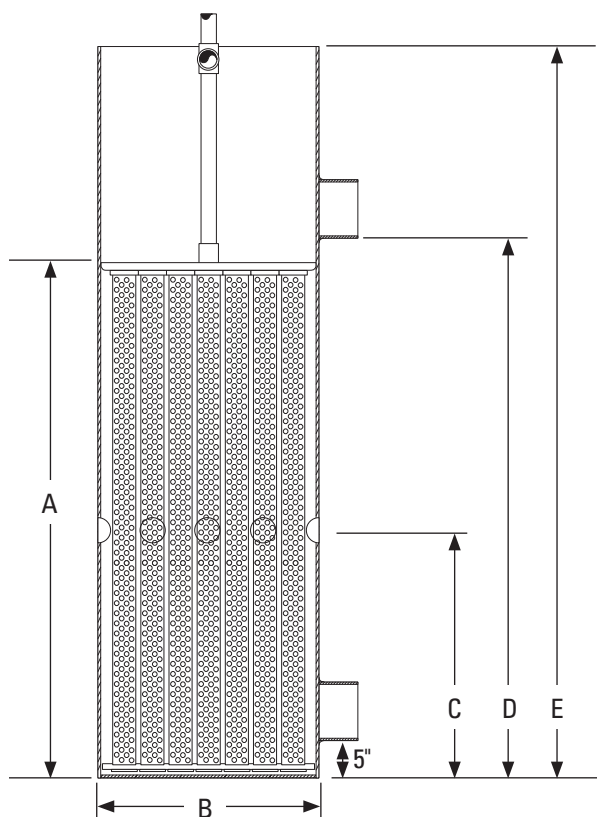
‡ Minimum liquid level is measured from the invert of the outlet to the tank floor

## Materials of Construction

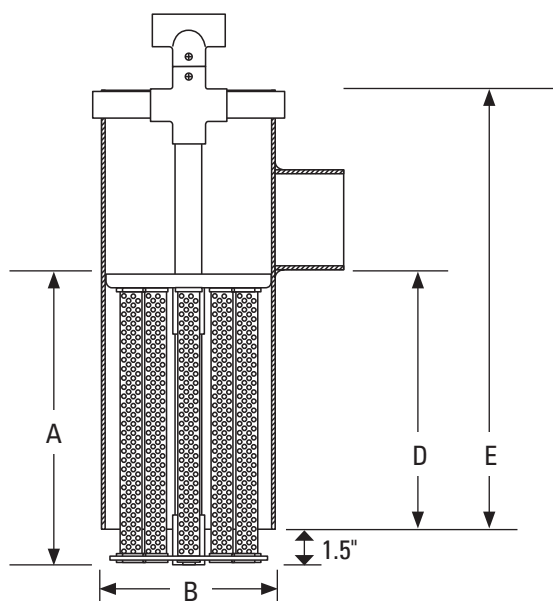
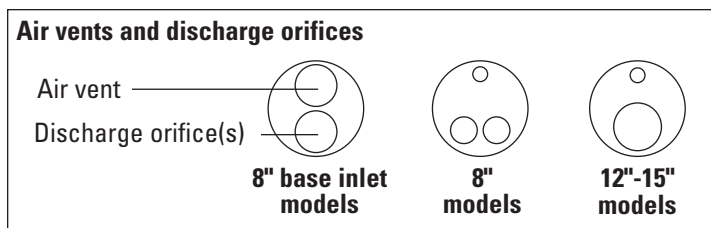
Vault, pipe coupling, handle components, support coupling and bracket	PVC
Biotube® cartridge	Polypropylene and polyethylene

\* Oreco® Biotube® Effluent Filters are covered under multiple U.S. and international patents.

# 8"-15" Diameter Biotube® Effluent Filters (continued)



Standard model



Base inlet model

## Specifications

Model	FT0854-36	FT0822-14B	FT1254-36	FT1254-36AR	FT1554-36
A - Cartridge height, in.	36	14	36	36	36
B - Nominal diameter, in.	8	8	12	12	15
C - Inlet hole height*, in.	22	n/a†	22	22	22
D - Vault base to invert height, in.	38	13	38	38	38
E - Vault height	54	22	54	54	54
Number of inlet holes	8	n/a	8	8	8
Inlet hole diameter, in.	1.375	n/a	1.375	1.375	1.375
Number of discharge orifices	2	1	1	1	1
Discharge orifice diameter, in.	1.125	1.750	2	2	2
Pipe coupling diameter, in.	4	4	4	4	4
Number of air vents	1	1	1	1	1
Air vent diameter, in.	0.75	1.750	0.75	0.75	0.75
Filter surface area‡, ft²	14.6	6.0	30.0	30.0	50.5
Flow area**, ft²	4.4	1.8	9.0	9.0	15.2

\* 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 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.