

8"-15" Dia. Biotube® Effluent Filters



General

Oreco Biotube® Effluent Filters (U.S. Patents No. 4,439,323 and 5,492,635) are used to improve the quality of effluent exiting a septic tank. The Biotube cartridge is removable for maintenance; the handle assembly snaps into the notches in the top of the vault, and the handle can be extended for easy removal of the cartridge. A "base inlet" model is available for low-profile tanks.

Standard Models

Standard Series: FT0854-36, FT1254-36, FT1554-36
 Slide Rail Series: FT1254-36R, FT1554-36R
 Base Inlet Series: FT0822-14B

Optional Alarm Float Assembly:
 Standard: MF1A-Y-11FTL; Base Inlet: MF1A-Y-5FTL

Nomenclature

FT □ □ □ □ - □ □ □

Options:
 Blank = standard series
 B = base inlet series
 R = slide rail series (12" and 15" only)*

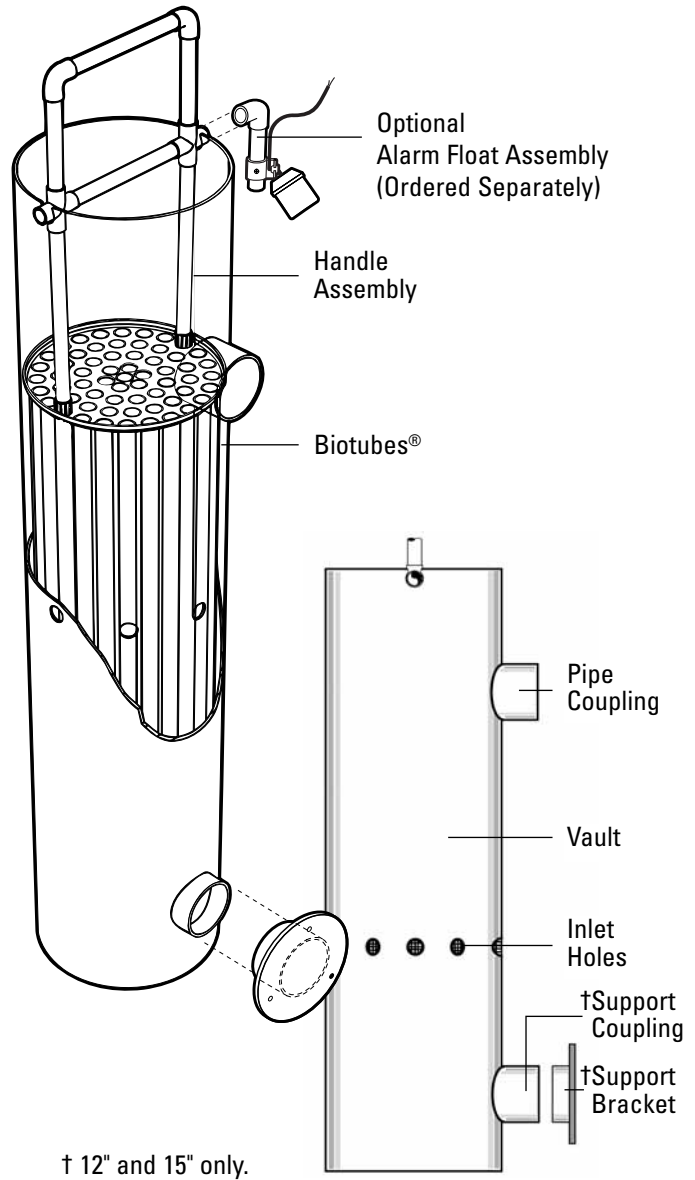
Cartridge height (inches):
 36 = standard
 14 = base inlet model

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

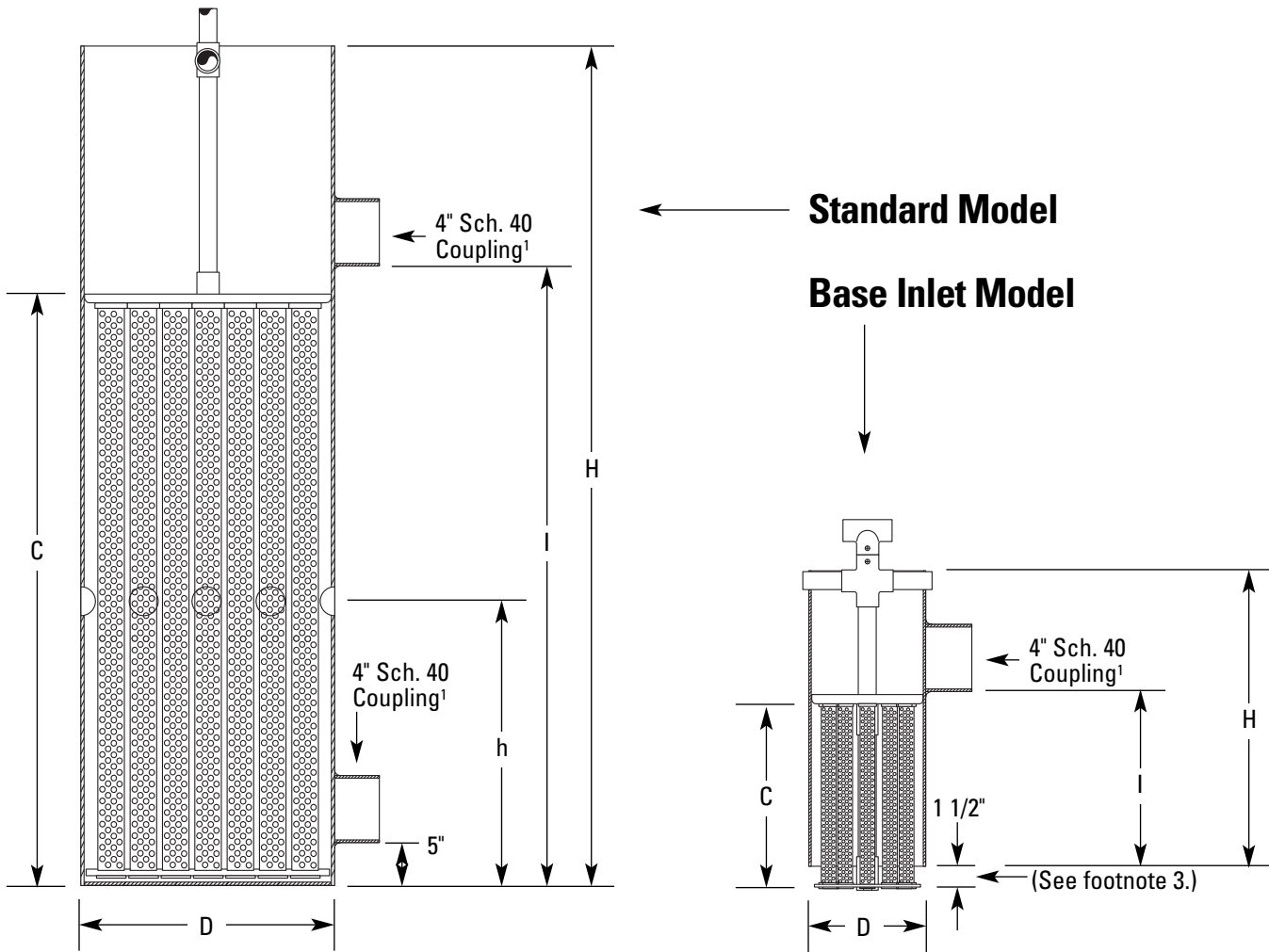


* Use the slide rail when only one access is available for the filter chamber
 ** Minimum liquid level is measured from the invert of the outlet to the tank floor (Select the housing height that corresponds to the tank's minimum liquid level to optimally locate the inlet holes between 65% and 75% of the tank's minimum liquid level.)

Materials of Construction

Vault:	PVC
Biotube Cartridge:	Polypropylene and polyethylene
Pipe Coupling:	PVC
Handle Components:	PVC
Support Coupling and Bracket:	PVC

8"-15" Dia. Biotube® Effluent Filters (continued)



Specifications

Model	FT0854-36	FT0822-14B	FT1254-36	FT1554-36
	FTP0854-36	FTP0822-14B	FTP1254-36	FTP1554-36
D - Nominal Diameter (in.)	8	8	12	15
H - Vault Height (in.)	54	22	54	54
h - Inlet Hole Height ² (in.)	22	n/a ³	22	22
l - Invert-to-Base Height (in.)	38	13	38	38
C - Cartridge Height (in.)	36	14	36	36
(Individual) Biotube Diameter (in.)	1.125	1.125	1.125	1.125
Number of Biotubes per Cartridge	18	18	35	59
Filter Surface Area ^a (sq.ft.)	14.6	6.0	30.0	50.5
Flow Area ^b (sq.ft.)	4.4	1.8	9.0	15.2
Inlet Hole Diameter (in.)	1.375	n/a	1.375	1.375
Number of Influent Holes	8	n/a	8	8

^a Filter area is defined as the total surface area of all the individual biotubes within the filter cartridge.

^b Flow area is defined as the total open area (area of the "holes") of all the individual biotubes within the filter cartridge.

¹ PVC slide tee substitutes for coupling system when optional slide rail system is used. 12" and 15" only.

² Influent hole height may vary depending upon the configuration of the tank. Optimum hole height is between 65% and 75% of the minimum liquid level.

³ Influent enters filter through the space created between the bottom of the vault housing and the bottom of the filter cartridge.