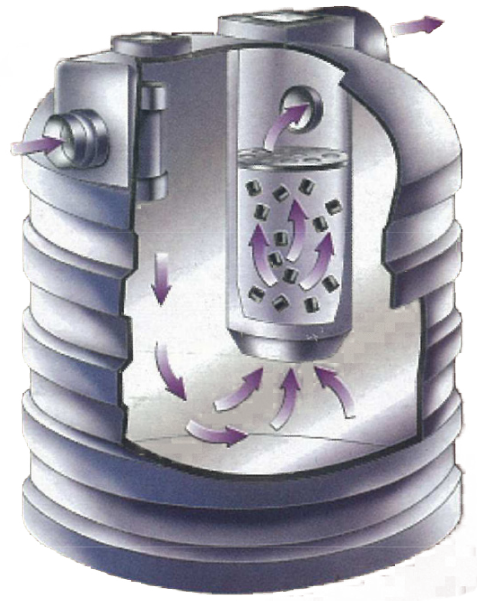




PE SEPTIC TANK

WASTEWATER TREATMENT SYSTEM

Wastewater Treatment



ISOMETRIC VIEW
PROCESS FLOW

Wastewater treatment always calls for sense of responsibilities towards the environment and public health. The PE Bio-Filter Wastewater Treatment System answers this call of the industry as well as building owners. Designed with local conditions in mind, PE Bio-Filter suits all local environments, including coastal and high water table areas. Manufactured under stringent quality control, strong, durable materials, septic tanks operate efficiently even under harshest conditions.

WHY US?

PE Bio-Filter are leakproof and resistant to rust as well as most chemicals contained in soil and sewerage. PE Bio-Filter Wastewater Treatment System features an effective anaerobic up-flow filtration system using Plastic as biomedium. Even fine particles and dissolved matter are strained and removed to give wastewater total treatment. As a result, effluent from PE Bio-Filter Wastewater Treatment System is economical and ideal for use in all types of housing units, shop houses, light industrial factories and other buildings.

Easy Handling, Transportation and Installation

Being a light and compact tank, the PE Bio-Filter Wastewater Treatment System is easy to handle, transport and install even with a limited working space. It facilitates easy inspection as well.

Easy De-Sludging

Easy de-sludging is made possible through an isolated, direct access to the settling zone of the PE Bio-Filter as well as a large outlet facilitating attachment of the desludging pipe.

Maintenance-free

Free of any moving parts or lift pump whatsoever, the PE Bio-Filter is non-mechanical system requiring virtually zero maintenance. Besides, the up-flow filtration system by nature, no-clogging and thus trouble-free.

Special Features And Advantages:

PE Bio Filter is designed for high flexural strength capability to withstand a harsh environment:

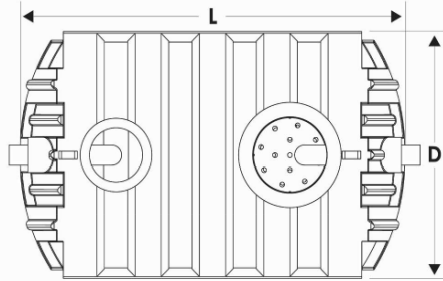
- (1) Wide range of types & models to suit various needs in the sewerage industry.
- (2) Cheaper treatment system and cost effectiveness.
- (3) High Quality due to stringent Quality Control & quality materials.

Quality Standard and approval:

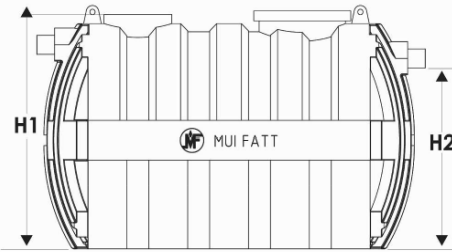
All PE Bio-Filter manufacture to Malaysia Sewerage Industry Guidelines Volume V-Septic Tanks by:

- National Water Services commission (SPAN)
 - Manufactured accordance to MS 1228 : 1991 Code of Practice for Design and Installation.
 - Product Certification by SIRIM QAS (International) Sdn Bhd.
- (Standard : MS 2441-1: 2012)

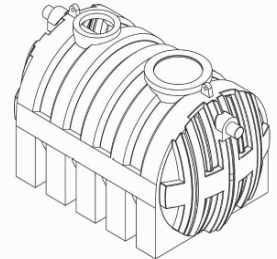
HORIZONTAL SERIES



Top View



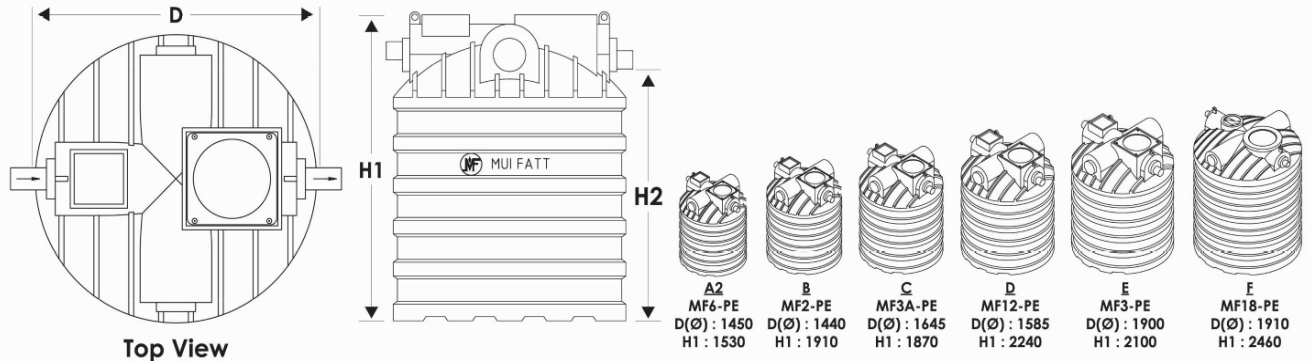
Side View



A1
MFR2-PE
D (Ø) : 1200
H1 : 1200
L : 2060

		MODEL
		A1
Properties	UNITS	MFR2-PE
Septic Tank Type		Horizontal
Process		Upflow Anaerobic Filtration (Bio-Media)
Type of waste		Domestic
Population Equivalent		6
Diameter (D)	mm	1200
Length (L)	mm	2060
Height (H1)	mm	1200
Water Level (H2)	mm	950
Inlet and Outlet Pipe	mm	100
Desludging Frequency	years	Once in 2 years
Market Price		1119

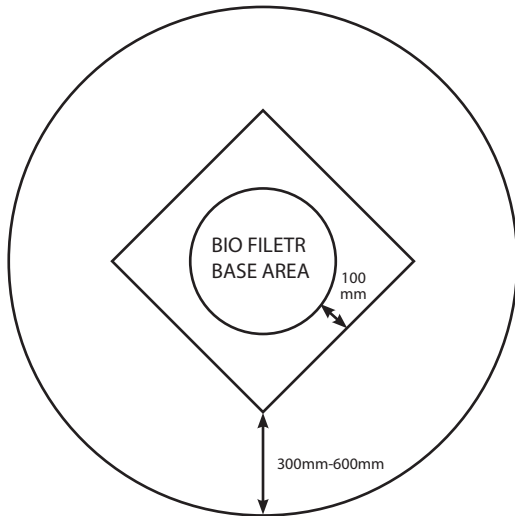
VERTICAL SERIES



		MODEL					
		A2	B	C	D	E	F
Properties	UNITS	MF6-PE	MF2-PE	MF3A-PE	MF12-PE	MF3-PE	MF18-PE
Septic Tank Type		Vertical					
Process		Upflow Anaerobic Filtration (Bio-Media)					
Type of waste		Domestic					
Population Equivalent		6	8	10	12	15	18
Diameter (D)	mm	1450	1440	1645	1585	1900	1910
Length (L)	mm	N/A	N/A	N/A	N/A	N/A	N/A
Height (H1)	mm	1530	1910	1870	2240	2100	2460
Water Level (H2)	mm	1240	1610	1535	1950	1800	2120
Inlet and Outlet Pipe	mm	100	100	100	100	100	100
Desludging Frequency	years	Once in 2 years					
Market Price		1119	1198	2237	3195	5112	7188

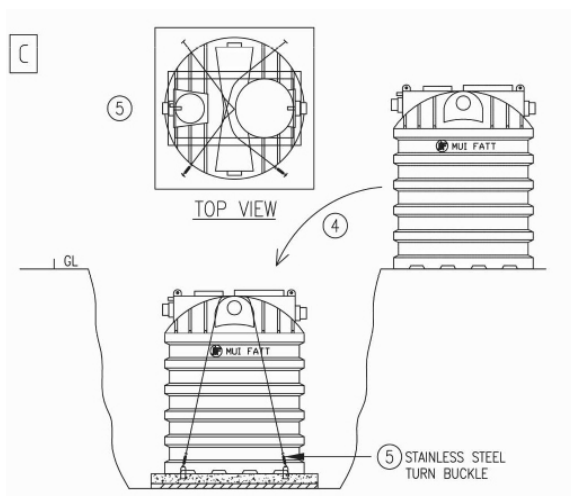
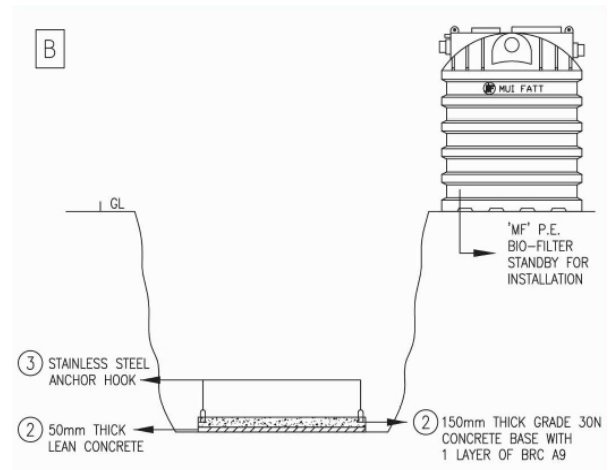
INSTALLATION INSTRUCTION

A.



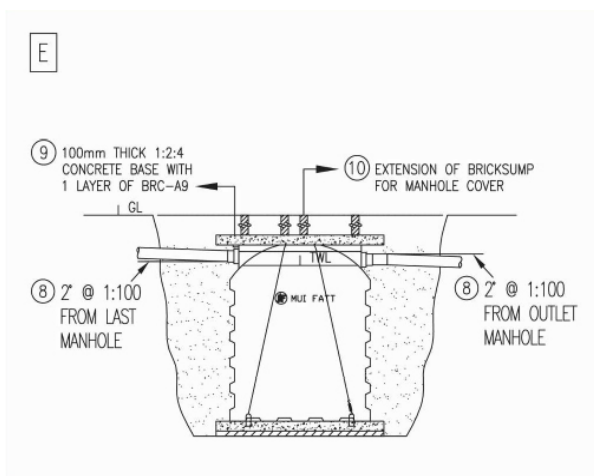
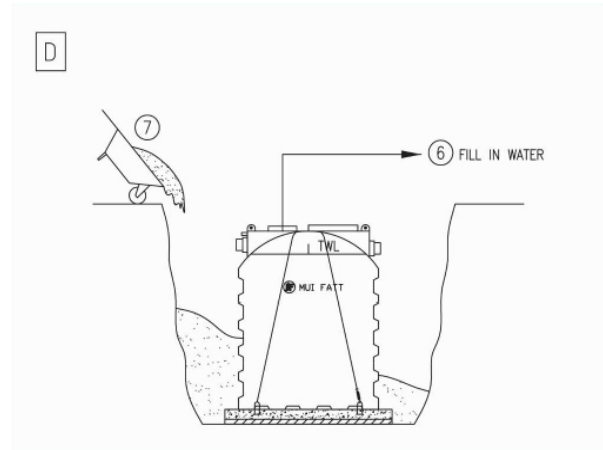
1. Allow for working space of 300mm to 600mm all round the P.E. Bio Filter when excavating the pit.

2. Construct a 150mm thick grade 30 N concrete base reinforced with one (1) layer of BRC-A9, wire mesh on top of a 50mm thick lean concrete.
3. Four (4) nos. of stainless steel anchor hook 12mm coated in concrete base.



4. Unload the Bio-Filter on a well leveled and cured 150mm thick Grade 30N Concrete base reinforced with one (1) layer of BRC-A9 wire mesh.
5. Tie the 20mm stainless steel (SS 304) anchor strap over P.E. Bio-Filter and tighten using stainless steel turn-buckle.

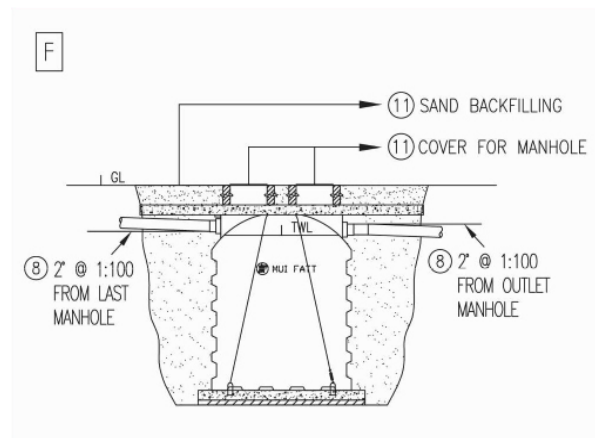
6. Fill in P.E. Bio-Filter with water up to top water level.
7. Back fill the space around the Bio-Filter with sand compacted in 150mm layers, up to the opening lid/rim.



8. Make sure the backfills at the inlet and outlet are well compacted and allow for a drop gradient of two(2) degree @ 1:100 for both the inlet and outlet pipes.
9. Lay over the P.E. Bio Filter with 100mm thick slab,with manhole openings of 1:2:4 concrete reinforced with one layer of BRC-A9 wire mesh.
10. Construct the manhole neck connections with bricks sump up to the specified design platform level.

11. Backfill with sand up to the designed platform level and install the manhole cover.
12. Fill the P.E. Bio-Filter with water to full capacity.

Note:Also do so every time after de-sludging later on.Please refer to the relevent drawings for the proper way of installation.



WARRANTY TERMS & CONDITIONS FOR P.E. Bio-Filter

All P.E. Bio-Filter are warranty strictly against manufacturing defects for a period of 5 years.Which covers only product workmanship and does not include damage due to improper usage and installation which not according to our installation which nit according to our installation manual and guideline.

MARKETING
OFFICE

69-01, JALAN IMPIAN EMAS 22,
TAMAN IMPIAN EMAS,
81300 SKUDAI, JOHOR,
MALAYSIA.

www.joncan-furniture.com

Tel: 07-554 7816

Fax: 07-557 5994

Email: joncanfrp@yahoo.com