

MECHLINE'S GREASE MANAGEMENT SOLUTIONS

BIOCEPTOR

BioCeptor FOGS Intercept and Treatment (F.I.T) unit works in conjunction with the GreasePak bio-fluid dosing module. The combined technologies create a **highly effective environment, perfect for permanent degradation of Fats, Oils, Grease and Starches (FOGS).**



RETAIN & BREAKDOWN FOGS



HIGHLY EFFICIENT...



The drain is dosed with GreasePak's highly developed and powerful bio-fluid



Inside the F.I.T unit FOGS are broken down into molecules that cannot reform or solidify



Frequency of maintenance/servicing the F.I.T unit is greatly reduced

- The GreasePak wall mounted, battery operated, dosing module automatically delivers a daily dose of bio-fluid into the drainage system
- The bio-fluid is 100% natural and safe – naturally occurring, nonpathogenic and contains in excess of 500 million bacteria per gram – the MOST POWERFUL on the market

- GreasePak is the only product of its kind in the UK to be approved by the British Board of Agrément (BBA) - certificate 11/4827
- Bio-fluid refills are easy to store, handle and change (*approx. monthly*) with built-in buzzer to remind you when to replace
- Highly efficient at capturing FOGS, with an average efficiency rating of 95.6%

- Designed using flow control technology, allows the F.I.T unit to be much smaller than a standard interceptor, making it easier to locate and simple to completely remove from situ to clean floors, walls and surrounding areas
- BioCeptor's F.I.T unit is independently tested & certified to ASME A112.14.3 and PDI G-101



Code: **FS047**



Code: FS047 - BioCeptor biological drain maintenance system, consisting of a wall mounted, battery operated GreasePak dosing module and a FOGS Intercept and Treatment (F.I.T) unit.
Manufacturer: Mechline Developments Limited

PURPOSE

Designed to retain and breakdown Fats, Oils, Grease and Starches (FOGS) to prevent them from entering the drainage system.

The BioCeptor **FOGS Intercept and Treatment (F.I.T) unit** works in conjunction with the **GreasePak bio-fluid dosing module**.

FEATURES & BENEFITS

- GreasePak bio-fluid is 100% natural and safe – naturally occurring, nonpathogenic and contains in excess of 500 million bacteria per gram – the MOST POWERFUL on the market
- GreasePak is the only product of its kind in the UK to be approved by the British Board of Agrément (BBA) - certificate 11/4827
- Bio-fluid refills are easy to store, handle and change (*approx. monthly*) with a built-in buzzer to remind you when to replace
- The F.I.T utilises the traditional principles of entrapment and retention alongside the natural process of bioremediation – making the F.I.T unit a highly effective environment, perfect for permanent degradation of FOGS
- The F.I.T unit is highly efficient at capturing FOGS, with an average efficiency rating of 95.6%
- Designed using flow control technology, allows the F.I.T unit to be much smaller than a standard interceptor, making it easier to locate and simple to completely remove from situ to clean floors, walls and surrounding areas
- Reduced frequency of maintenance/servicing due to the powerful bio-fluid degrading FOGS within the F.I.T unit

ACCREDITATIONS (F.I.T unit only – for GreasePak see separate data sheet)

- Independently tested and certified to ASME A112.14.3 and PDI G-101
- Manufactured to ISO 9001-2015 standards (certificate FS 616985)

MATERIALS (F.I.T unit only – for GreasePak see separate data sheet)

High strength injection moulded high-density polyethylene - grey. All materials recyclable.

WEIGHTS (F.I.T unit only – for GreasePak see separate data sheet)

7.5 Kg / 16.5lbs (empty), 60 Kg / 132.3lbs (full)

FLOW RATES

25 US gallons / 96 litres (per minute), 0.416 US gallons / 1.6 litres (per second)

DRAIN CONNECTION

Ø50mm / 2 inches

SPECIAL NOTES

Mechline's BioCeptor is not a drain unblocking system.

⚠ IMPORTANT: Existing drains must be cleaned and pressure washed prior to installation. Failure to do this could result in dislodged fat and grease blocking the drains further downstream.

The dosing point into the drain should be a minimum of 2 metres (6.5 ft) away from sources of excessive heat or harsh chemicals in the drain such as dishwashers, combination ovens or waste disposal units. If installed downstream from a water softener, ensure softener regeneration occurs prior to the module dosing time each night. The F.I.T unit can be installed with flow in either direction.

Care & maintenance: On-going maintenance and cleaning is essential for the effective and efficient working of the BioCeptor F.I.T unit. **⚠ IMPORTANT: The site must appoint a certified and qualified grease trap maintenance / drain service company to undertake this work.** Regularity of attending will be determined by the service company, analysing usage and operations.

SITE REQUIREMENTS

Installation must be carried out in accordance with local authority and water company requirements. The location advice and installation instructions in the Operator Manual must be followed. It may be necessary to install more than one BioCeptor system in a kitchen if multiple grease risk areas are identified.

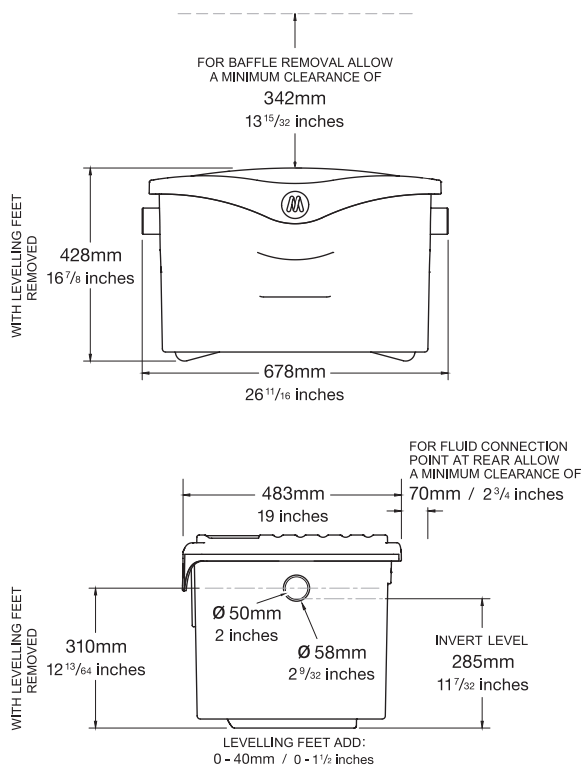
Staff should be trained in good internal FOGS housekeeping and best management practice. This will help the effectiveness of the system, and significantly help to maintain free flowing water both within the drains of the premises and in the sewerage system. Some water companies / sewer management providers would advise that dishwashers are NOT connected to FOGS trapping devices. However the BioCeptor is designed to accept the discharge from dishwashers if required. Food Waste Disposers (FWDs) should NOT be connected.

ON-GOING MACHINE REQUIREMENTS

Service/maintenance contract - for more information please contact Mechline.

WARRANTY

One-year manufacturer's warranty. The lid & tank has an extended 10 year warranty following a successful install and commissioning.



Note: CAD file available on request.