



WATER



GAS



ENVIRONMENT



PEST CONTROL

BIOLOGICAL DRAIN MAINTENANCE SYSTEMS

GREASEPAK

Biological Drain Maintenance System

A unique, automatic drain dosing system specifically designed to address the drainage problems found in commercial kitchens. Preventing the build-up of Fats, Oils and Grease [FOGs] leaving staff free to run the kitchen.



DEGRADE FOGs IN COMMERCIAL KITCHEN DRAINS

EASY TO USE...



1 The GreasePak unit delivers a daily dose of bio-fluid into the drain.

2 The specially formulated bio-fluid degrades fats, oils & grease (FOGs).

3 Grease build up is prevented and your drains stay clear and odour-free.

THE BENEFITS...

GreasePak can be installed almost anywhere in the kitchen

GreasePak™ is a stylish, discreet and easy-to-clean, self-contained wall-mounted dosing unit that takes up no floor space and is very simple to install and operate.

- Simple design, few working parts – trouble free!
- Bio-fluid refills are easy to store, handle and change
- Choice of long-life, battery operated unit or mains-powered
- A cost effective and efficient solution

Helps to keep drains clear of fats, oils and grease (FOGs)

Designed to address the drainage problems found in commercial kitchens. The GreasePak unit doses the drain with a blend of specially selected microorganisms that have been chosen for their ability to degrade fats, oils and grease (FOGs) in low oxygen conditions (such as closed drains) and where pH levels fluctuate.

- Eco-friendly, uses no harsh chemicals
- Can work on its own or in conjunction with a grease trap
- Helps to prevent drains from smelling

An effective, environmentally friendly commercial solution

GreasePak bio-fluid is an environmentally friendly Class 1 biodegradable product that degrades FOGs into smaller, simpler molecules that cannot reform or solidify. These degraded products are then further digested by the bacterial population or are quickly washed away.

- Helps satisfy legislation and building regulations by providing an effective means of grease removal
- Only bioremediation system to be BBA-approved





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GREASE FROM COOKING AND WAREWASHING IS A REAL PROBLEM

Kitchen Drains and Grease

Commercial kitchens naturally discharge high levels of fats, oils and greases into the drains. This can result in slow drains and blockages which release bad odours and create unacceptable health and hygiene hazards in the kitchen.

REGULATIONS

UK Building Regulations 2000, amended in April 2002, state that:

H1: Foul Water Drainage 2.21 Drainage serving kitchens in commercial hot food premises should be fitted with a grease separator complying with prEN 1825-1 and designed in accordance with prEN 1825-2 or other effective means of grease removal.



A COMMERCIAL KITCHEN WITHOUT AN EFFECTIVE MEANS OF GREASE REMOVAL CONTRAVENES THE REGULATIONS.

GreasePak™ is a very effective means of grease removal - that can work with grease traps or on its own.



Drain in the High Street



If you worked in a kitchen, would you want to dredge out the grease trap?

Traditional Solution - Grease traps

Bulky grease traps are expensive to install, can take up valuable space and can be very difficult to clean around, creating further hazards.

Suitable for Commercial Kitchens?

Grease traps need emptying and managing, which rarely happens. Lack of maintenance leaves a foul water reservoir, which becomes odorous and attracts vermin and insects. Cleaning grease traps is a foul job, which can result in kitchen contamination.



Applied Bio-Chemistry - Traditional dosing system solution

Bio-enzymatic treatment is a recognised means of degrading Fats, Oils and Grease (FOGs) deposited into kitchen drains.

Traditional dosing systems rely on **large bulky drums** of chemical positioned on the kitchen floor with a mechanical pump.

The large drums take up **valuable kitchen floor space**, are difficult to clean around and can weigh up to 25kg each, creating potential HACCP issues. Spillages can be **extremely difficult to clean up**.



GREASEPAK THE SOLUTION TO YOUR GREASE PROBLEMS



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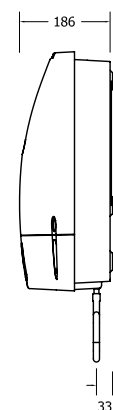
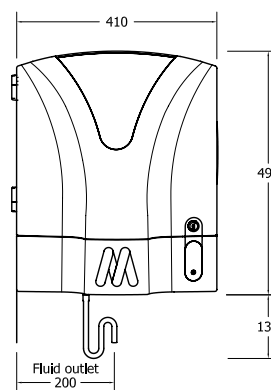
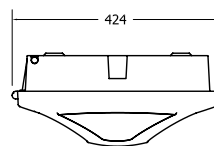


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GREASEPAK

GP-DMI-STD-2



Dosing Modules (fluid sold separately)

- Discreet wall-mounted unit – takes up no floor space
- Lockable door
- Easy to change dosing time and MSGD fluid volume
- Compact white ABS plastic dosing module with audible alarm

Model	Description
GP-DMI-STD-2	Battery operated
GP-DMI-MAINS-2	Mains powered, 230v/50/1 - (special order)

PURPOSE

Mechline's GreasePak is a unique, safe, automatic drain dosing system specifically designed to prevent the recurrence of drain blockages from Fats, Oils, Grease (FOGs) and starches in commercial kitchens. Use in conjunction with a grease trap or as a stand alone drain maintenance system. GreasePak's highly developed and powerful bio-fluid solution deals with FOGs helping to maintain free-running drains, decrease odours and avoid blockages.

Helps foodservice operators meet with legislative demands to have an effective means of grease removal.

FEATURES & BENEFITS

- Compact automatic dosing system
- Battery operated or mains-powered models available
- Easy to install and operate with no water connection required
- Affordable, easy to manage and easy to clean with built in alarm to remind you to replace fluid
- Meets Building Regulations for an effective means of grease removal
- Use alone or in conjunction with a grease traps
- Most powerful, multi-strain, bio-fluid of its type - degrades FOGs into simple molecules that cannot reform or solidify
- Bio-fluid is 100% natural and safe
- Reduce the need for grease trap cleaning by over 50% - saving money!
- Reduce the chance of attracting vermin and pests
- Environmentally responsible

ACCREDITATIONS

- CE-certified
- Manufactured to ISO 9001-2008 standards
- BBA-approved, certificate 11/4827

Bio-Enzymatic Fluid

- Multi Strain Grease Degradator (MSGD), contained in a 5-litre box
- MSGD is very efficient in the degrading of FOGs
- Highly effective and environmentally friendly
- Class 1, Bio-degradable, non-hazardous product
- Easy to store, handle, locate and connect
- Simple twist on / off connector – no spills
- Considered the most powerful product of its type



GP-MSGD5

Model	Description
GP-MSGD5	3 x 5L boxes of dosing fluid supplied in a master box (on standard dosing, master box is approximately 3-months supply)



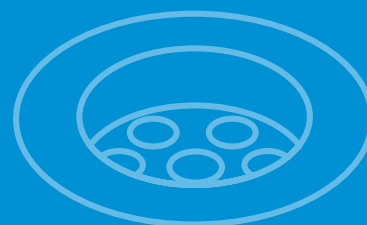
Spare Parts

Model	Description
GP-BP	Battery Pack Replacement (approximate service life 18-24 months)
GPC-TRAY-BATT	Component tray for battery operated models - inc. PCB Assembly Board & Latching Solenoid Valve (battery not included)
GPC-TRAY-MAINS	Component tray for mains powered models - inc. PCB Assembly Board & Latching Solenoid Valve

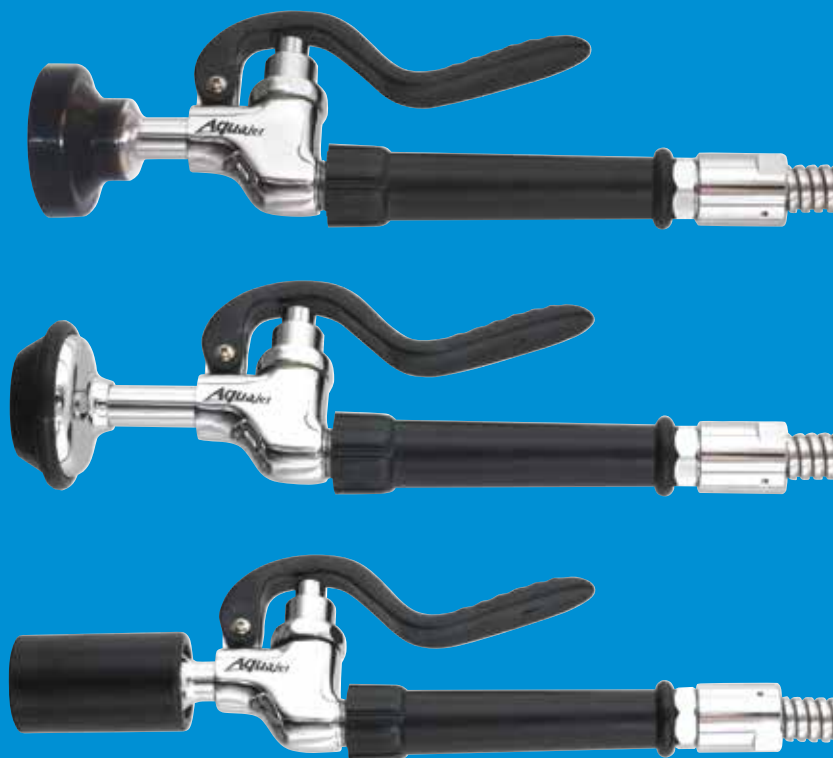
AQUAJET

manufactured by MECHLINE

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STOP POURING YOUR PROFITS DOWN THE PLUG-HOLE



SAVE MONEY WITH A WATER-SAVING GUN



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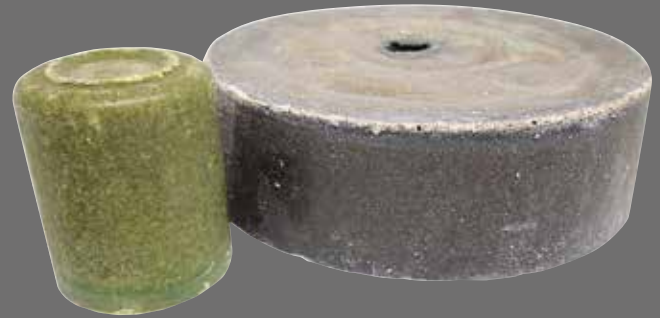
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BIOBRICK

MSGD

BioBrick is a controlled release system containing a specially selected blend of non-toxic natural microbes which digest oils, fats, grease and other organic matter in wet wells, grease traps and other low oxygen situations.



Model	Description
GP-BIOBRICKS-LARGE	Single large BioBrick (230x70mm), approx. 3Kg
GP-BIOBRICKS-SMALL	Pack of 6 small BioBricks (70x90mm), each approx. 400g

HOW IT WORKS...

The bacteria in the BioBrick forms a biofilm which is continually replaced and produces a continuous and renewable supply of highly active enzymes for fat and grease degradation. This biofilm adheres to the drainage system walls and is highly resistant to cleaning fluids and disinfectants, thus providing a longer lasting protection than enzyme or caustic products, which have minimal contact time.

Product Key Features

- Safe and Stable blend of Bacillus spores.
- Aerobic and facultative anaerobic strains with a fast growth rate.
- Ability to work under a great range of conditions – low and high temperature, low and high pH, aerobic and anaerobic conditions, low-nutrient conditions, salinity, etc.
- Production of extra-cellular enzymes providing a wide range of degradation capabilities including fats, oils and greases, short and long chain fatty acids, cellulose, protein and starch.

THE BENEFITS of regular application are:

- Fat digestion
- Improved flow
- Eliminate blockages
- Effective odour reduction
- Complete digestion of solids
- Reduction of pump use and wear
- Significant reduction in BOD levels

Usage Instructions

BioBricks should be used as directed by the Consultant. However, if the brick is to be used in a lifting station the brick should be suspended at a midway point between the high and low points in the pumping cycle. If the brick is to be used to keep drain lines clear, it should be placed in a position so that all the waste passes over it.

Longevity

Dependant on application, the large BioBrick should last approximately 3 months and the small BioBrick should last approximately 1 month each.

Health and Safety

There is a risk of serious damage to the eyes. Avoid contact with eyes and in case of contact with the eyes, rinse immediately with water and seek medical advice. The product is harmful if swallowed. Avoid ingestion and contact with drinking water or foodstuffs.

Product contains naturally occurring non-pathogenic bacterial cultures and is not harmful to the environment.

For best results, store in a cool, dry place.