



العسم للخدمات الميكانيكية (ش.ذ.م.م)  
Al Asam Mechanical Services (L.L.C.)

# Aqua Bio-Pro

## Drain Maintenance System



# GREASE INTERCEPTOR DOSING SYSTEM

Product Description

# Aqua Bio-Pro

## BIOLOGICAL DRAIN TREATMENT SYSTEM

### HOW IT WORKS

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Each night after the kitchen is closed the Aqua Bio-Pro system automatically delivers a measure of biological fluid containing specially cultured bacteria and enzymes into the drainage network. The bacteria and enzyme work together to attack grease deposits in the drain line and form a living culture within the pipe work to provide protection 24 hours a day.

### PRINCIPAL BENEFITS

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- Digests grease, oil and fat
- Helps to prevent blockages
- Prevents odours
- Ensures free-flowing drains
- Simple to install
- Consistent, reliable performance every time
- Free product support
- Easy to use - easy to maintain

### APPLICATIONS

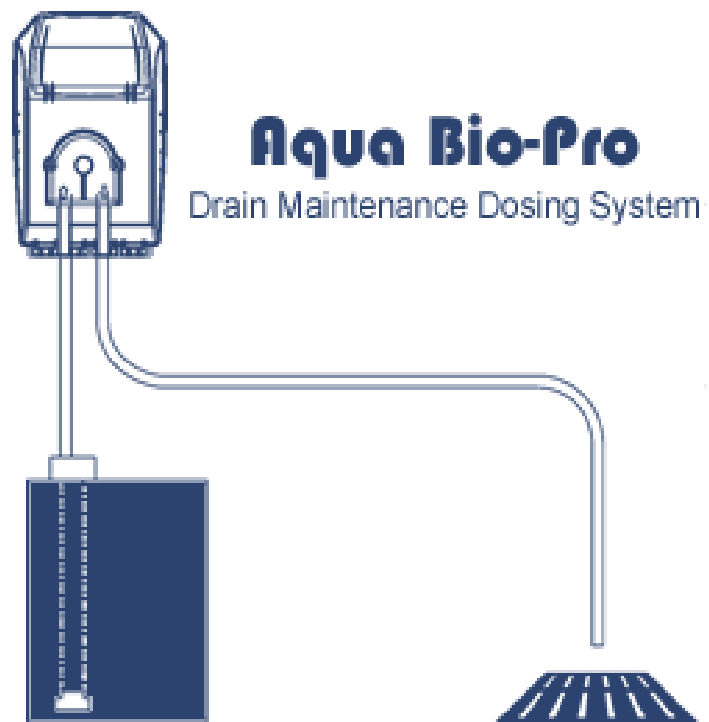
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- Drainage systems
- Grease traps

### MAIN FEATURES

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- Fully automatic
- Safe for the environment
- Small unit size means that it can be located anywhere
- Mains or battery powered
- Unique multi-strained bacteria which out-performs single culture products



### AUTOMATIC DOSING PUMP AND CONTROL UNIT

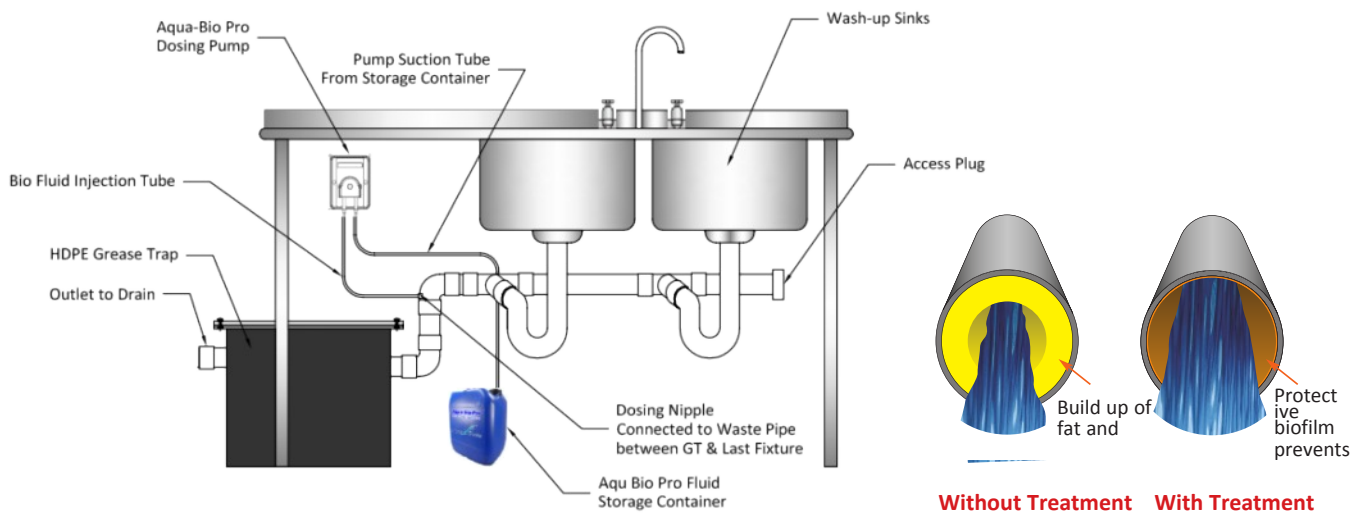
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Injects Aqua Bio-Pro formula at a preset daily time. It is normally set to inject at the end of a working day.

# LOCATION & PROCESS

## WHERE SHOULD THE AQUA BIO-PRO SYSTEM BE INSTALLED?

Due to its small size and mains or battery operated options it can be positioned anywhere. The dosing point should be located within the wash-up area of the kitchen. The unit can also be located externally in a kiosk if required.



## THE DIGESTION PROCESS

### Immediate Effects

Bacteria introduced into the line latch onto and break down fatty deposits to start the process of drain clearance.

### Long-term Effects

The bacteria colonise the drainage system creating a 'biofilm' which digests grease, oils and fat and prevents accumulations from forming.



## EFFECTS OF TREATMENT

Reduces blockages • Reduction and control of unpleasant odours  
Reduced emptying frequency of Grease Traps • Improved operation of Treatment Plants

# SPECIFICATIONS

## MAINTENANCE

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The Aqua Bio-Pro uses 10 litres of Biofluid every three or four months. Fluid can be supplied automatically under an annual maintenance contract or it can be purchased as required.

## SPECIFICATIONS

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### Aqua Bio-Pro Automatic Pump Unit

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Mains Power	230v AC 50/60 Hz 10mA (max) 2.5W (max)
Battery Power	Single 4 D cell battery (approx. 18 months of operation)
Signals	N/A
Pumphead	Disposable mini pump head with silicone tube as standard. Alternative tube materials available on request
Flow Rate	5mm silicone 35ml/min (using water)
Motor	30 RPM Geared
Dimensions (mm)	H170 x W280 x D120

### Aqua Bio-Pro Biological Fluid

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Key Ingredients	Proprietary Bacillus strains, emulsifiers and nutrients. Strains used are Class 1, natural isolates which have not been genetically engineered. This product is certified free of Salmonella, Shigella and Enterobacteriaceae.
Bacteria Count	$5 \times 10^6$ cfu/ml
Appearance	Slightly perfumed blue coloured liquid
Specific Gravity	0.995 to 1.005 g/cc
Properties and enzyme	Product has a stable emulsifying property and produces high levels of lipase
Storage	Store away from direct sunlight in temperature range 15 - 45°C
Application	Drain line and grease-trap maintenance
Environment	Product is made with food grade chemical ingredients which are fully biodegradable. Product is completely safe to use.
Composition of biofluid may be subject to change	

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