



Simple, Effective Grease Management



Automatic Dosing Pump and Control Unit

Injects Grease Goblin formula at a preset daily time. Normally set to inject at the end of a working day.

The Grease Goblin active drain maintenance system automatically protects drain lines against fat, oil and grease blockages.

How it works

Incorporating the latest in grease digesting biotechnology the Grease Goblin breaks down grease and fat biologically using naturally occurring micro-organisms.

Grease Goblin fluid contains a combination of bacteria and enzymes which means it doesn't just emulsify grease and fat - it breaks it down completely. Once the treatment process has begun the bacteria colonise the drainage network providing drain protection 24 hours a day.

Applications

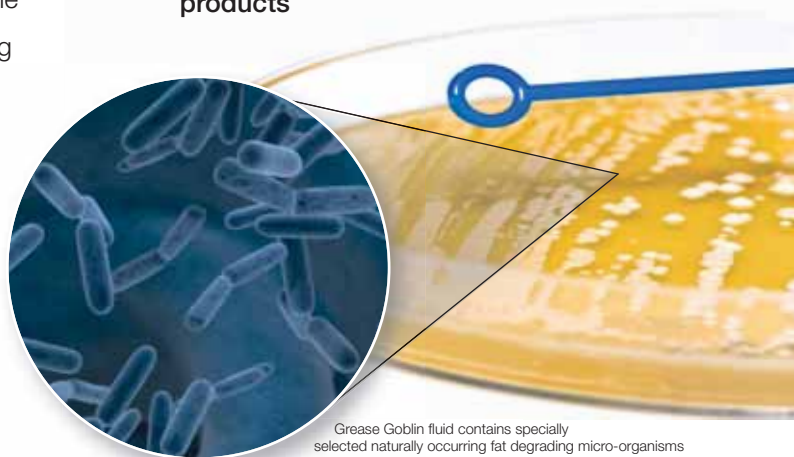
- Drainage systems
- Grease traps
- Pumping Stations
- Sewage treatment plants
- Septic tanks

Principal benefits

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

Main features

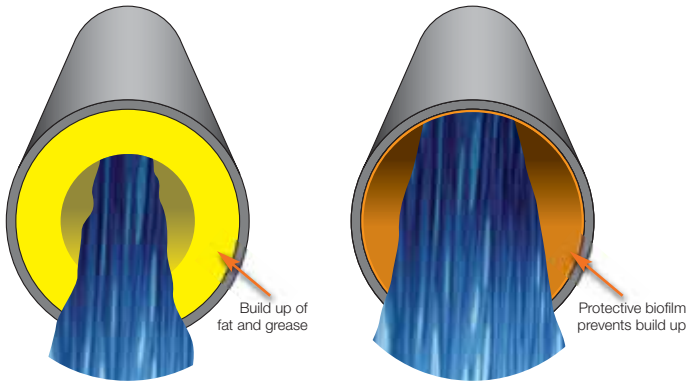
- Fully automatic
- Safe for the environment
- Small unit size means that it can be located anywhere
- Mains or battery powered options
- Unique multi-strained bacteria which out-performs single culture products



Grease Goblin fluid contains specially selected naturally occurring fat degrading micro-organisms



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Without Treatment

With Treatment

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
- ☉ Improved operation of treatment plants
- ☉ Reduced emptying frequency of greasetraps

Where should the Grease Goblin 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 for direct dosing into a pumping station or sewage plant.

Maintenance Required

The Grease Goblin uses 20 litres of biofluid every three or six months. Fluid is supplied automatically under an annual contract or it can be purchased as required on-line at www.watlinghopedirect.co.uk.

Specifications

Grease Goblin pump unit

Mains Power	230V AC 50/60Hz, 10ma max. 2.5W max
Battery Power	Single 4xD cell battery provides 18 months operation
Signals	N/A
Pumphead	Disposable mini pump head with silicone tube as standard. Alternative tube materials available on request.
Flowrate	5mm silicone 35ml/min (using water)
Motor	30rpm gearbox
Dimensions (mm)	H170 x W280 x D120

Grease Goblin biofluid

Key Ingredients	Proprietary Bacillus strains, emulsifiers and nutrients. Strains used are Class1, natural isolates which have not been genetically engineered. This product is certified free of Salmonella, Shigella and Enterobacteriaceae.
Bacteria Count	5 x 10 ⁶ cfu/ml
Appearance	Slightly perfumed blue coloured liquid
Specific Gravity	0.995 to 1.005g/cc
pH	6.7 to 7.3
Properties	Product has a stable emulsifying property and produces high levels of lipase and enzyme
Storage	Store away from direct sunlight in temperature range 15 - 45°C
Application Environment	Drain line and grease-trap maintenance 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