

## DRAIN-TECH LIFT STATION BLOCK

For the treatment of “FOG” (Fats, Oils and Greases)

### Biodose 2kg / 5kg Geo-Tex Sock



The Accumulation of “FOG” fats, oils and greases is the main cause of blockages and floods (Fatbergs) in drain and sewer lines. It is also the cause of failure in lift station and wet well operations and the main reason for malodour.

Problems caused by the discharge of FOG are widespread and represent huge direct and indirect remedial action costs. (Pump-out charges)

The Biodose Lift Station Block is one of a number of solutions offered by Biodose Ltd to mitigate these issues. The product is designed to be used from the point of discharge through the entire drain line system right up to the sewage treatment plant. It can be manufactured in a size to suit every application, large or small, stored water or fast-flowing effluent, land-based or marine.

The blocks are proven to completely dissolve in 4-12 weeks to fit with common service or inspection cycles. The bacteria in the Biodose Lift Station Block is capable of degrading FOG at the very low dissolved oxygen concentrations encountered in almost all drain line applications.

### Technical Description

The Biodose Lift Station Block is specifically manufactured for slow release as the combination of selected surfactants, binders and salts form a protective gel when the product is immersed in water. This ensures that turbulence and shear forces of fast-flowing effluent do not overdose the system nor reduce the lifetime of the product.

Biodose Block is completely soluble and will leave no residue for disposal.

### ADVANTAGES:

- Easily placed at any height in the system
- Requires no power so easy to install
- 24-hour continuous operation
- Mitigates malodour and other volatile sulphur/ammoniacal odours
- Can reduce BOD/COD and TSS
- Reduces maintenance costs
- Contains bacterial consortia specifically selected for degradation of FOG
- Last 4-12 weeks
- Low daily treatment cost
- Degrades food, and faecal wastes, reduces FOG and sludge. Also reduces the frequency of pump-outs

## PRODUCT CHARACTERISTICS

Product Code	TBC
Packaging	2kg (10cm diameter x 12cm depth) 5kg (16cm diameter x 14cm depth)
Stability	24 Months (unopened / cool / dry)
Microbial Count	Average 3e9 / g
Microbial Specification	Consortium of 6 x Class 1 Bacillus strains (5 species), QPS certified
Physical Appearance	Biodose Block (Solid Blue in appearance)
Material	Tight mesh cotton woven tube, bonded stitch

## APPLICATIONS

- The Biodose Block can be used for the maintenance of:
- Waste-water treatment plants
- Grease traps/interceptors
- Lift stations
- Wet wells
- Drain lines

## PACKAGING:

Packaging	2kg (10cm diameter x 12cm depth) 5kg (16cm diameter x 14cm depth)
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- The Biodose Lift Station Block is supplied in a tight mesh geotextile filter sock manufactured from stitch-bonded cotton and provides high tensile strength. This is useful in particularly fast-flowing waste streams for a longer lifetime (up to 3 months).
- It is completely soluble and will leave no residue for disposal. If used in the sock provided, this is biodegradable and can be disposed of as compostable waste.

## OPTIMUM CONDITIONS FOR USE:

The bacteria in BIOSEPT perform within a pH range of between 5.5 and 8.5, with optimum activity near a pH of 7.0. Temperature affects the growth rate of the bacterial population and activity improves with a temperature of between 25°C and 35°C. No appreciable activity can be expected below 5°C and above 55°C.

## STORAGE AND HANDLING:

- Store in a dry place at room temperature.
- Avoid excessive inhalation.
- Avoid eye contact.
- Wash hands thoroughly with warm, soapy water after handling.

*The information provided in this Product Data Sheet is accurate at the date of issue and should be used for indicative purposes only. Please refer to your Company Representative for specific User instructions as to how these relate to your usage requirements. Please note that Biodose Ltd is not liable for claims, damages, costs or expenses of any kind arising from the mishandling of the product or changes that might occur during the handling, storage and application conditions provided by any third party who does not follow the minimum requirements defined in the SDS. Please refer to the SDS for further information regarding the handling, storage and application procedures for the product*

### **FOR SALES ENQUIRIES:**

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