

### Z-BIO IGT100 – THE SOLUTION FOR ALL DRAINAGE PROBLEMS

**Z-BIO IGT100** solves the drainage problems caused by grease in commercial kitchens. Drain problems can no longer be solved by pouring harsh caustic chemicals or acids down the drain. This is dangerous for the user & the environment, and detrimental to plumbing.

#### APPLICATIONS

For drainage systems incorporating grease traps and/or pumping stations en-route to a package treatment plant or main sewer.

- Drainage systems of Commercial Kitchens
- Grease traps in Restaurants & Canteens
- Pumping stations



#### HOW DOES IT WORK?

This high performance biological liquid is dosed daily into the drainage system.

At the end of each working day a pre-determined volume of **Z-BIO IGT100** is automatically dispensed into the drainage system by a timed peristaltic pump.

The innovative microbial technology of **Z-BIO IGT100** liquid converts grease into carbon dioxide and water, and more microbes!

The installation of the **Z-BIO IGT100** dosing system is simple, requiring only a 5 amp electrical supply.

#### WHAT DOES IT DO?

**Z-BIO IGT100** is able to remove fat and grease deposits because it contains millions of naturally occurring micro-organisms which degrade fats and grease overnight to leave the drainage system flowing and odour free.

It also optimises the performance of treatment plants and enhances the quality of effluent. Consistent treatment with **Z-BIO IGT100** can reduce the Biological Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and the Total Suspended Solids (TSS).

#### PRODUCT DESCRIPTION

**Z-BIO IGT100** is a liquid formulation based on 4 selected strains to digest grease, proteins, starch and cellulose.

**Zebec Systems Limited**

Alexander Stephen House

91 Holmfauld Road

GLASGOW

Tel: 0141 440 1434 / Fax: 0141 440 1435

## ADVANTAGES

- Provides rapid start-up of grease traps.
- Allows grease traps to work better and longer with reduced service.
- Maintains lines clean and free flowing.
- Controls odours.
- Long shelf life.
- Can be handled without danger.

## RECOMMENDED PROCEDURES FOR BIOLOGICAL TREATMENT

- Empty grease trap prior to treatment.
- Seeding: Initial dosage to be added directly into the trap.
- Maintenance dosage: Daily dosage to be added into the drain lines upstream.

## DOSAGE :

### 1) Grease Trap :

- Seeding : 1,5 litres/m<sup>3</sup> (volume of grease trap).
- Maintenance dosage is based upon the number of meals daily prepared and served on site :
  - 400-500 meals/day : 400 ml/day (minimum dosage rate)
  - 800 meals/day : 650 ml/day
  - 1000 meals/day : 800 ml/day
  - 1500 meals/day : 1,2 l/day
  - 2000 meals/day : 1,5 l/day

We advise the use of **Z-BIO IGT100** in conjunction with an automatic dosing unit.  
Product should be fed into the lines 2 hours after the end of the working day.

### 2) Drain lines :

Standard size pipes :

- Seeding : 200 ml / first week
- Regular maintenance : 100 ml / week

Dosage rate to be increased for larger drain lines and extended pipe length.

## CHARACTERISTICS :

- Appearance : A sand-coloured liquid
- Odour : None
- Specific gravity : 1,10
- pH : 8,2 - 8,6
- Effective pH range : 5,0 - 9,0
- Effective Temperature range : 5 to 45° C
- Standard packaging : 25 and 200 litre drums

### **Storage and Handling:**

- Store in a cool dark place
- Avoid eye contact
- Do not ingest
- Wash hands thoroughly with warm soapy water after handling