



KEEBio-Guard

The Grease Digester



Installation and Operating Instructions

- KEE Bio-Guard, the biological solution against fat, oil and grease that ensures a clear flow to preventing blocked drains.



Installation Guidelines

**The KEE Bio-Guard is supplied with the Motor disconnected.
Always plug in the Motor Connector before use.**

The Bio-Guard Grease Digester

- The KEE Bio-Guard unit is designed to automatically dispense enzyme based chemicals into wastesystems to prevent the build up of fat and blockages in the drainage system. It is battery operated for easy installation and can be programmed to dispense set volumes of chemicals at set intervals to meet your requirements.

Installation

- Locate the Bio-Guard dispenser as close to the chemical container as possible, ideally within 5 meters. Try to avoid exposure to direct heat, moisture or steam.
- The unit is already fitted with wall fixing brackets and is supplied with the necessary fixing screws and raw plugs for installation.
- The unit is also supplied with 4 meters of pvc tubing and a tube support. The tube support end of the tube should be placed in the chemical container and the other end connected to the inlet connector of the Bio-Guard pump.

(NB: Warming of the PVC tube will assist in fitting it to the Inlet connector. Shown by arrows on pump face).

- Any excess PVC tubing can be used to connect from the outlet connector to the waste pipe or grease trap. An adjustable pipe connector is also available from KEE Services Limited if required.

Batteries

- The KEE Bio-Guard is supplied with a self contained battery pack, which should provide at least 12 months operating life based on standard usage.
- To change the battery, start by removing the lid. *(unscrew the 4 plastic screws, one in each corner).*
- Then disconnect the battery pack by removing the small white connector with a red and black wire. *(see diagram on page 3).*
- Remove the old battery pack, fit the new pack and plug in the connector.

Priming

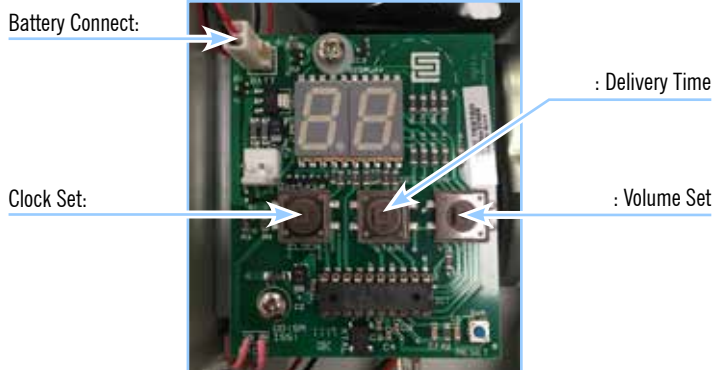
- Press the 'PRIME/TEST BUTTON' on the underside of the unit to fill the tubing with chemical and to test the pump.



Installation Guidelines

All KEE Bio-Guard Units are supplied pre-set.

(See sheet inside unit for settings)



To check and adjust the clock

- **To check the clock**, press and hold the 'CLOCK' button. The display should show the current hour of day. *(NOTE: the clock only displays hours).*
- **To set the clock**, press and hold the 'CLOCK' button, after 5 seconds the hours will increase. Let go of the button when the hour required is displayed. Always set the clock to the nearest hour.

To check and adjust delivery start time

- Press the 'DELIVERY START' button. The display will show the delivery start time in hours. *(A dot will also be displayed to distinguish this from the clock display).*
- To change the delivery start time press and hold the 'DELIVERY START' button. After 5 seconds the start time hour will increase. Let go of the button when the start hour required is displayed.

To check and adjust delivery volume

- Press the 'DELIVERY VOLUME' button. The display will show the delivery setting *(from 1 to 9)*. Each number represents a different delivery volume as shown below.

1. 100mls	4. 250mls	7. 400mls
2. 150mls	5. 300mls	8. 450mls
3. 200mls	6. 350mls	9. 500mls
- To adjust the delivery volume, press and hold the 'DELIVERY VOLUME' button until the required program/volume number is displayed.



KEE's total commitment to guaranteed reliability has meant KEE Services is a trusted preferred supplier to many industry sectors including, waste management, water treatment, dairy, food, beverage and leisure sectors.

We operate to the highest quality standards (ISO 9001) throughout the company in research and development, manufacturing and product testing, refurbishments, service & maintenance and user training.

Once our products are despatched our involvement does not stop there. Our after sales service includes installation, maintenance contracts, national twenty four hour service turnaround and access to our telephone help line.

We have a UK network of experienced KEE Engineers and specially trained agents and distributors in countries around the world. Please refer to our website for more information.

Ordering replacement dosing liquid

KEE provide a cost effective and convenient chemical enzyme re-order service to ensure that your Bio-Guard Grease Digester is protecting your drains at all times. Our National team of KEE engineers are also available to deliver and install chemical refills as part of the KEE Bio-Guard Service & Maintenance Package.



Contact KEE today for more information on:

01296 634500

or to arrange for a free no obligation quotation to resolve your fat, oil and grease issue.



Specialists in Domestic & Industrial Wastewater Treatment

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