



# Greasebuster®

Fat, Oil and Grease Skimmer

INNOVATION IN WASTE  
WATER TREATMENT

# GREASEBUSTER®

## Fat, Oil and Grease Skimmer

Fats, oils and grease (FOG) are a major problem in waste water discharge from process factories, often giving rise to blockages in the sewage networks and organic overload in treatment plants. Regulation dictates that FOG must not be discharged into the sewer network and traditionally this is prevented with the use of grease traps. However, grease traps are highly inefficient, require regular cleaning and are subject to rodent infestation.

The Greasebuster® is an innovative solution that removes fats, oils and grease from waste water tanks and systems and removes the need for a grease trap.

The Greasebuster® uses a hydrophobic belt which attracts non-polar liquids such as fats, oils and greases whilst rejecting water. The Greasebuster® sits in a reception tank and the belt continuously rotates through the surface collecting FOG whilst the water runs back into the tank.

The fats, oils and greases are scraped off the belt and deposited into a IBC or other suitable containers. For heavy fats and greases the Greasebuster® collection chamber contains a thermostatically controlled heater which liquefies the fats and allows them to free run into the collection vessel.

Speed control and belt attack angle are fully adjustable to maximise the efficiency of FOG removal up to 8m<sup>3</sup>/ day \*. For greases and fats that form a solid surface or crust the Greasebuster incorporates as standard an adjustable paddlewheel to break up the surface and pull the FOG onto the belt. A range of tank attachment are available for either floor or wall mounting of the Greasebuster®.



### FEATURES AND BENEFITS

- i Removes fats, oils and grease whilst rejecting water
- i Prevents pipe and sewer blockages i
- Simple installation i 24/7 operation
- i Removes up to 8m<sup>3</sup> of FOG per day \*
- i Temperature range of operation up to 50°C
- i Reduces waste water bills through COD and solids reduction
- i Reduces risk of environmental prosecution
- i Removes microthrix, filamentous growth and floating solid waste
- i Belt speed control and thermostatic temperature control

### SPECIFICATION

Belt Size	Length 2m, width 0.5m as standard or 1m Optional
Belt Material	Polyurethane -20 to +65°C
Motor	400 V/50 Hz/0.18 Kw
Belt Controller	Mechanical Variator
Body Material	Stainless steel
Fixings	Wall or floor mount: optional floating weir
Heater (optional)	K type thermistor, 200W heater plate, programmable control
Timer	Programmable timer

**\*Size and Fog Density Dependent**