

Grease Guardian[®]

Frontline Engineering

"A first class piece of machinery that is reliable and effective"

THOMAS DELANEY
HOTEL CHIEF ENGINEER

CENTRALISED AUTOMATIC GREASE REMOVAL RANGE



REMOVES ALL TRAPPED GREASE

Grease can be collected and recycled to create bio-fuels

Minimal maintenance required

Easy to install and maintain

Suitable for 10l/s flow

Full customer support



BS EN ISO 9001:2008



www.fmenvironmental.com



FOUR-STAGE OPERATION SYSTEM

STAGE 1 Solids Filtration and Transfer (with Tilting Box)

Waste enters the unit and any large food particles are trapped in a primary "large solids" screen. The waste continues into the solids hopper where it settles at the bottom. The liquid waste now free of solids continues into the main tank. The settled fine solids are periodically pumped into a secondary "fine solids" screen. Both fine and large solids screens form part of an easy to empty tilt basket that is manually cleaned into a food waste bin.

STAGE 1 Automatic Solids Transfer (ASRD)

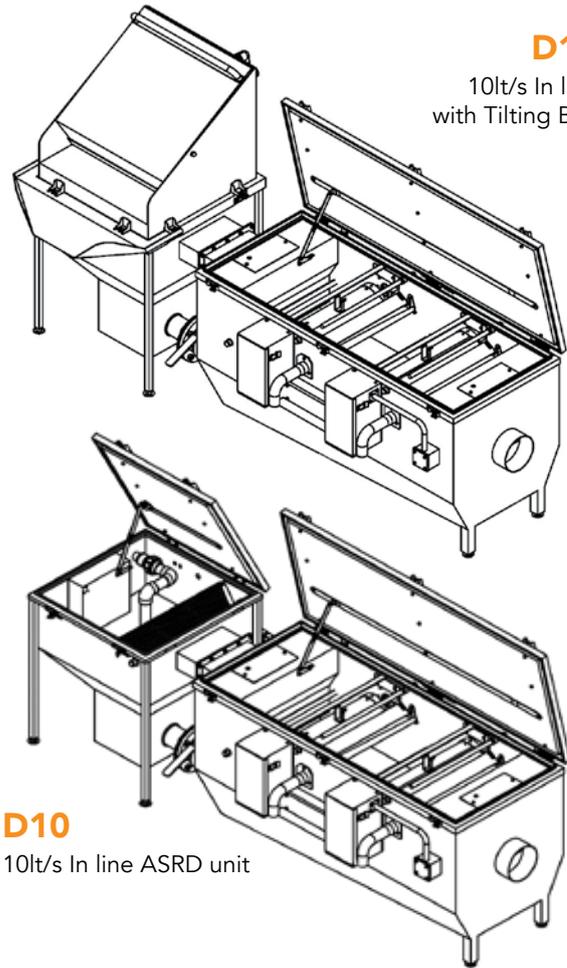
The D10 automatic solids transfer to drain offers the option of filtering and transferring the foodwaste automatically to drain, with no human input required. A brush screening device is installed before the D10 grease separation tank.

STAGE 2 Grease Trapped

After entering the main tank grease which is lighter than water separates naturally and remains trapped. The heavier "clean" water leaves the tank under a baffle before being discharged to drain.

STAGE 3 Grease Removal Programme

A pre-programmed removal cycle starts by first agitating the trapped grease waste using diffused air. This helps suspended grease globules to further separate and directs the waste towards the skimming mechanism. The waste is then heated and the grease liquefies. The liquefied grease is then skimmed and transferred to external receptacles to await recycling.



D10

10lt/s In line
with Tilting Box

D10

10lt/s In line ASRD unit

STAGE 4 Self Cleaning

A wash down system can be activated to ensure the system remains clean.

Model	Length	Width	Height	Inlet/Outlet	Flow Rate
D10 Tilting Box	2584	1315	1355	115/160	10l/s
D10 ASRD	2584	1315	1355	115/160	10l/s

ALL DIMENSIONS IN MM

Specification: Automatic grease trap with inbuilt grease skimming mechanism. 14 Guage (2mm) 304 Stainless Steel, 1.8kw x 3 heating elements, 25 watt motor x 2. Wall mounted control panel IP65 with 24 hour programmable digital timer. 400V, 3phase (4 wires); 110V option available.

For invert levels please contact your local supplier.



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