

"It doesn't get any simpler"

Environmental
Products & Services Ltd.
www.EPAS-Ltd.com

GreaseShield™ Defender

Automatic
Solids Removal
and Dewatering
– No Moving
Parts

Automatic
Recirculating Filter
– No Membranes
or Consumables
to Replace

Multifunctional Solids
Interceptor and Mop Sink →
No Membrane Filter →
No Energy Costs →
No Moving Parts →
No Problems →



← Fully Automatic
← Self Cleaning
← No Pumping Required
← No Heating Element
← No Chemicals
← No Enzymes

Automatic
Fats, Oils and
Grease Removal
– PLC Controlled
to Work for You

AWARDS

2011 FCSI Highly Commended Sustainable Catering
Equipment Award - UK & Ireland
2010 Green Hospitality Award for Innovation - Ireland
2010 Innovation in Industry Award - N.I
2009 Eco Innovation Award - France
2009 Best Equipment Product - Ireland
2008 Best Catering Equipment Award - Ireland

Key Benefits

- ✓ GreaseShield is the only proactive greasetrap in the world to deal with emulsified FOGs. Automatically separates grease from effluent to achieve < 100 ppm FOG Discharge. GreaseShield removes entrained solids to reduce BOD, COD and SS loadings.
- ✓ Eliminates frequent pumping costs, harvesting a source of renewable energy. Protects the environment by protecting the drainage and watercourse systems.
- ✓ Self emptying and self cleaning. Reduce loading on waste water treatment plants and pumping stations.
- ✓ No need for staff to access the internal of the GreaseShield is required. User Friendly! Odour Free!
- ✓ No need to purchase enzymes or biological agents! No heating elements. Low operating costs.
- ✓ Reduce CO₂ emissions and avoid loss of a renewable energy source caused by pumping out greasetraps.
- ✓ Award Winning Modular Technology; Small, compact and easily installed in any Deli or Kitchen!
- ✓ Eco friendly, sustainable design - 99% recyclable!

ISO Certifications

Quality ISO 9001:2008 Environment ISO 14001:2004 Health & Safety OHSAS 18001:2007



Members of



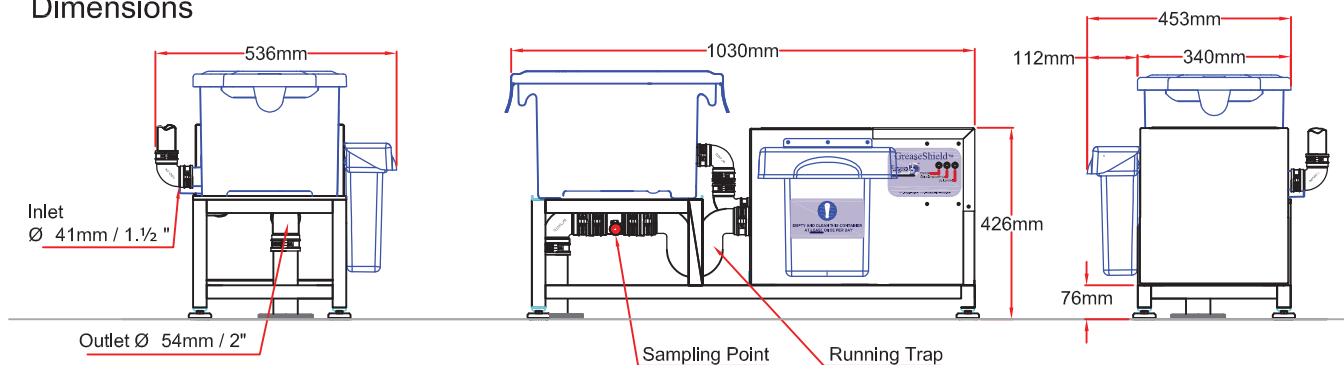
Award Winning Technology

www.GreaseShield.com

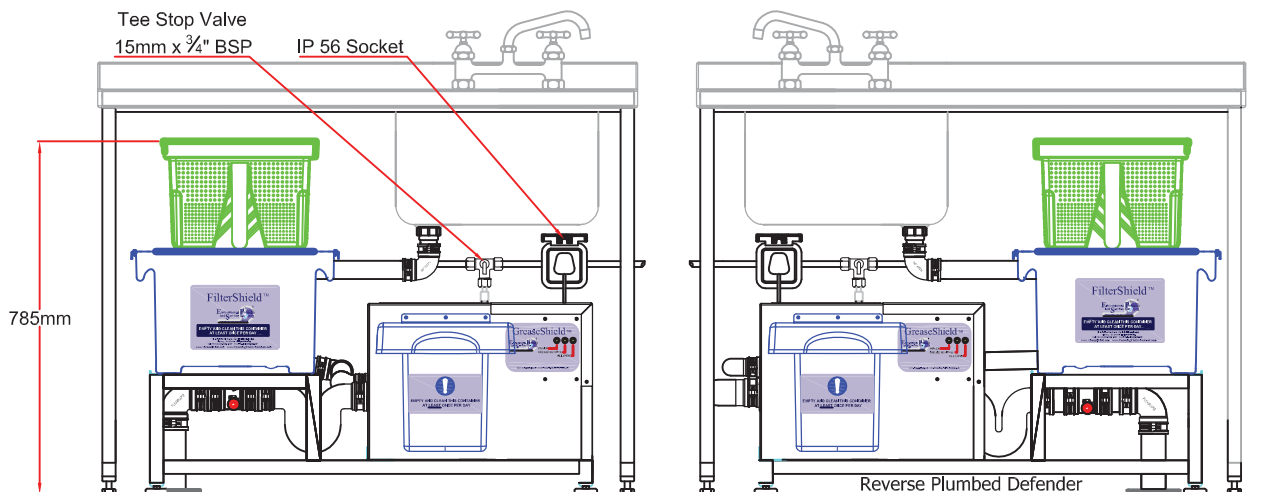
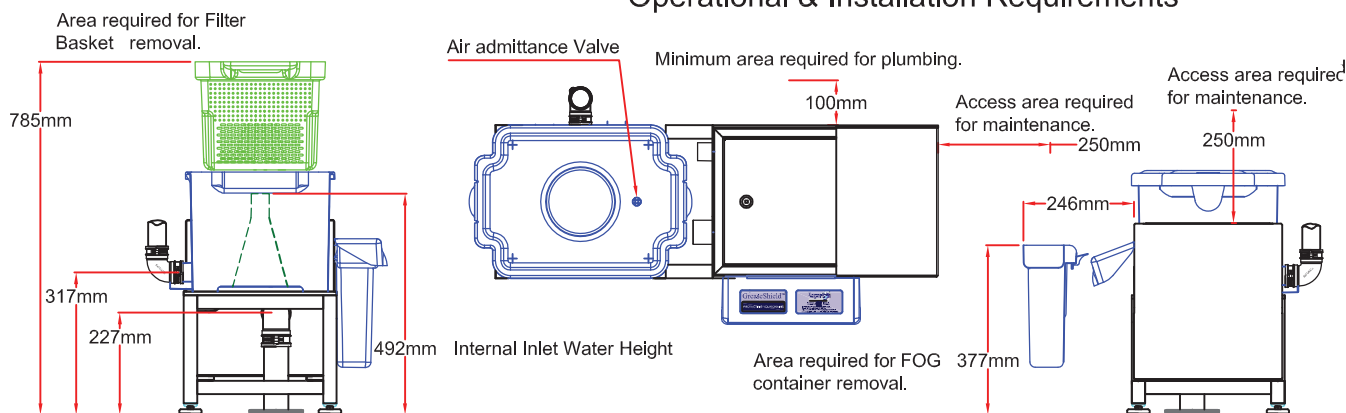
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Newry, Co. Down
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GreaseShield™ Defender GS1500

Dimensions



Operational & Installation Requirements



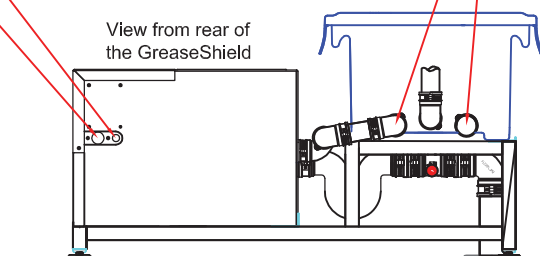
Twin outlet, to facilitate reverse plumbing application

Hot Water to be connected with the 3/4" BSP Hose provided

*Optional depending on model and configuration

IP56. Socket to be fitted within 1.5 Metres from this point. Plug fuse not to exceed 5Amps.

View from rear of the GreaseShield



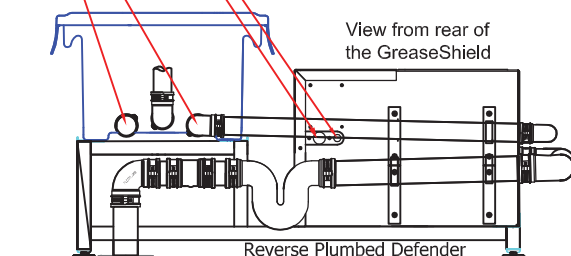
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View from rear of the GreaseShield



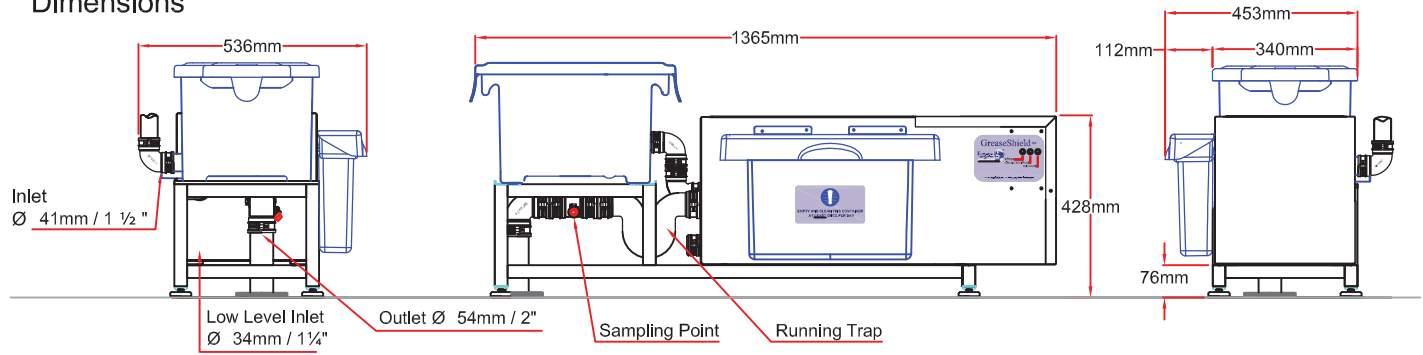
Please see full GreaseShield range at www.GreaseShield.com

Please refer to the O&M manual for installation requirements.

Please refer to parts numbering schedule

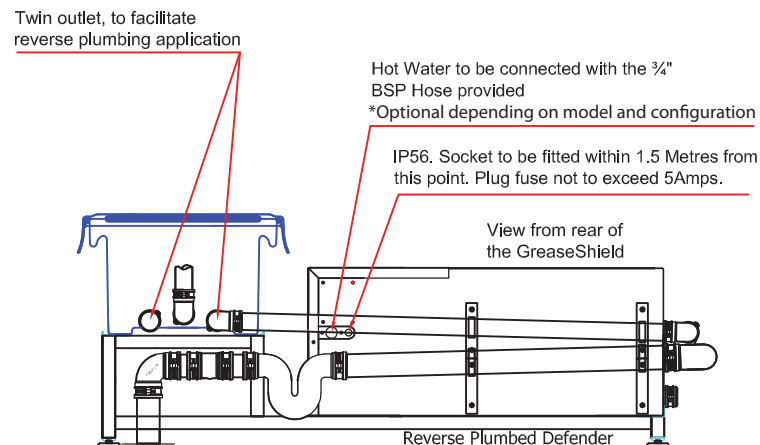
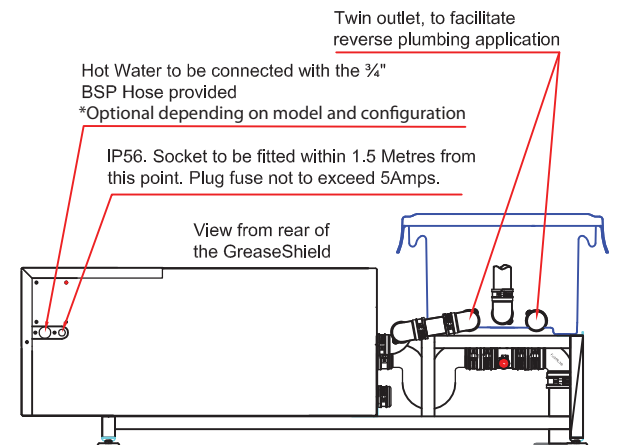
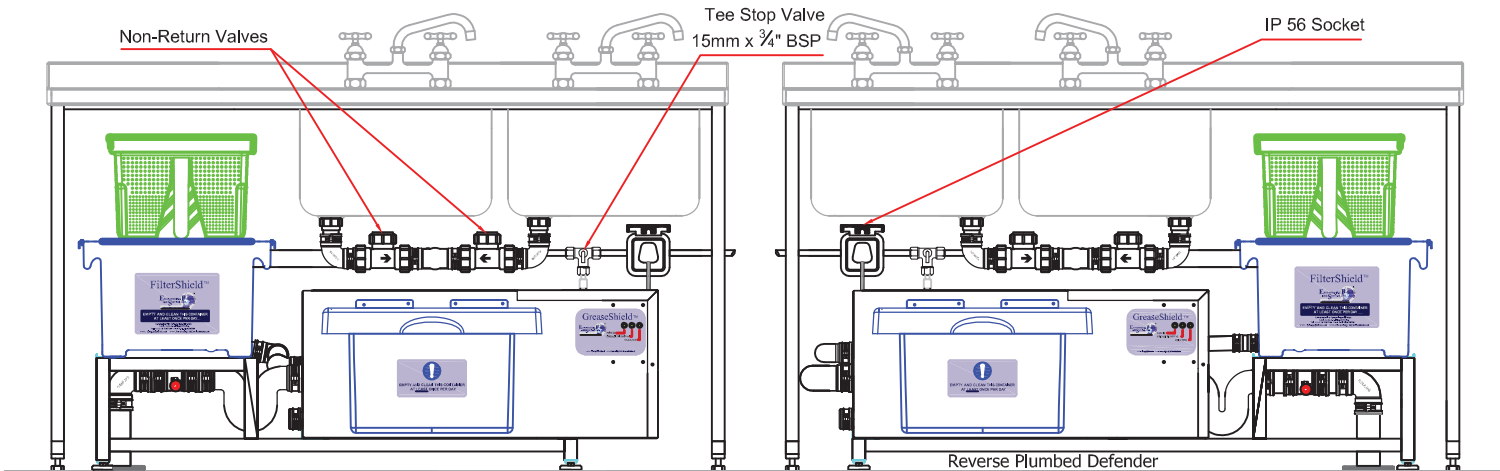
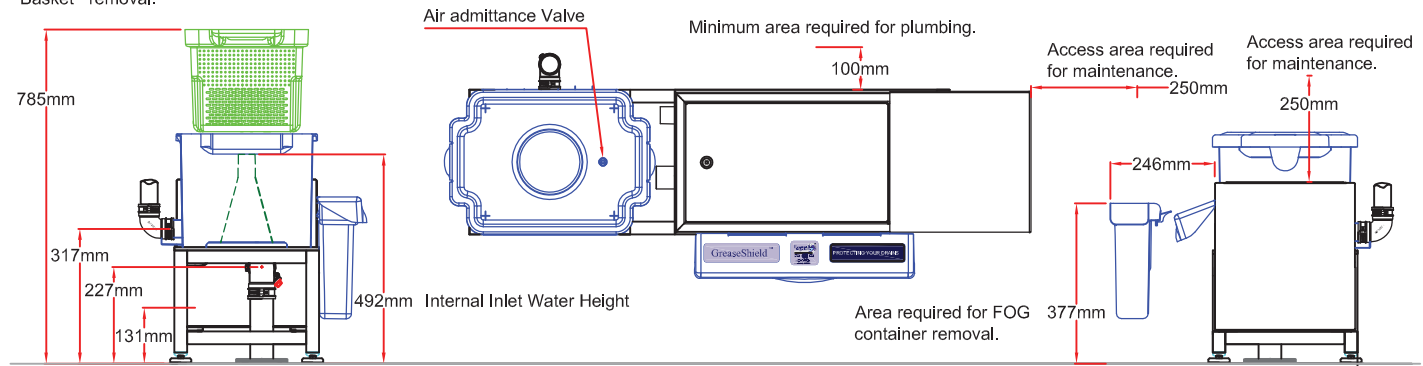
GreaseShield™ Defender GS2000

Dimensions



Area required for Filter Basket removal.

Operational & Installation Requirements



Please see full GreaseShield range at www.GreaseShield.com
Please refer to the O&M manual for installation requirements.
Please refer to parts numbering schedule

Material: Stainless 304 and Polypropylene

MODELS	FLOW RATE	DIMENSIONS Height x Length x Width
GS 1500	1.50 Litres Per Second	568mm x 1030mm x 441mm (with castors) 540mm x 1030mm x 441mm (no castors)
GS 2000	2.00 Litres Per Second	558mm x 1378mm x 441mm (with castors) 534mm x 1378mm x 441mm (no castors)

FOG Removal Rate:
GS 1500 Up to 4 litres FOGs per hour
GS 2000 Up to 6 litres FOGs per hour

FOG Removal Means:
GS 2000 • 385mm Long x 180mm Diameter
GS 1500 • 175mm Long x 180mm Diameter

Properties:

- Oleophilic, Zero Maintenance Roller
- Wiped by Silicone Rubber Blade With Anti Static Properties
- Formed to 77 Shore Hardness For Durability
- Resistant to Fats, Oils and Greases; Spices; Alkalis and Acids in pH range 4 to 10

**Fats, Oils and Grease (FOGs)
Cartridge Capacity:**
GS 2000 6 Litres of FOGs
GS 1500 3 Litres of FOGs

Internal Cleaning Cycles: Incorporated As Standard - No Need To Desludge

External Solids Cartridge Storage Capacity: 15 Litres

PLC Control Control Smart Programmable Relay - Energy Conservation

**Flexibility in FOG & Solids
Removal Operating Sequences:** FOG & Solids Removal can operate to specific customers requirements (opening hours/levels of contamination to be treated) and offers the flexibility of being programmed for specific needs

Motors - Single Phase 220 Volts: 1 x 24 watt = 24 watt per hour, 230v, 50Hz with automatic thermal safety protection cut-out and reset [125 Celsius +/- 10%]

Electrical Installation Requirements: A Single Phase Dedicated 13 Amp Masterseal IP56 Unswitched one gang Socket (MK56480).

Drainage & Plumbing Requirements: 110mm Gully Trap to Drain to be located 250mm to left hand side of GreaseShield unit + ¾" BSP Connection to both Mains Cold and Hot Water Supply

Managed Solutions

*Giving You Peace of Mind and Leaving You Free
to Concentrate on Your Business!*

Dispenses Bio Nutrients
to Bio Remediate and deal
with years of neglect in
the Drainage System

Environmental Products & Services can offer a complete low cost solution to your drainage problems including ongoing maintenance.