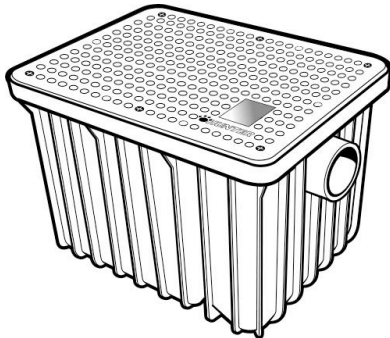


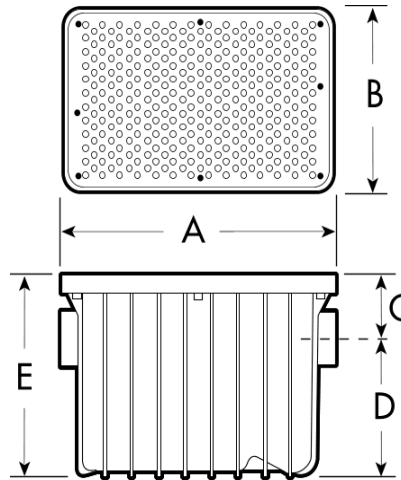
Specification subject to change without notification



Inc: Influent Control Device (ICD)



Material: Polypropylene (PP)



All Dimensions in mm

DSG16:

- A – 600mm
- B – 445mm
- C – 107mm
- D – 307mm
- E – 414mm

Cover Loading:

200kg – Foot and Light Traffic Only

DSG22/32:

Availability to be advised

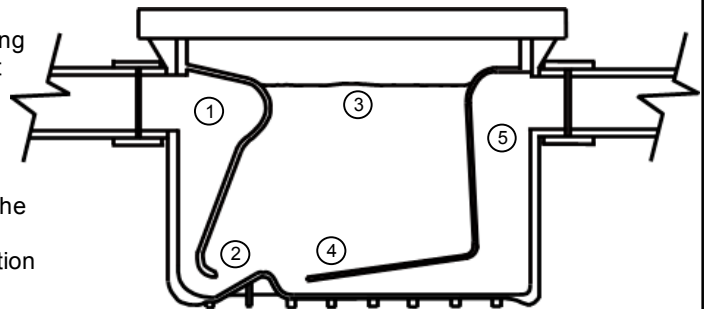
Part Code	Carton Qty	Connection Size	Flow Rate	Grease Capacity	List Price	Product Weight	Shipping Weight	Product Bar Code
DSG16	1	110mm	1.6L/Sec	23 kg	POA	10kg	14.5 kg	5013811911217

What is a Grease Interceptor?

A Grease Interceptor is defined as “Apparatus for the separation of grease from ‘influent’ (waste water, containing grease with the exception of sanitary waste water), in such a way that, due to the difference in density between the substance to be separated and the carrying liquid, and the reduction in flow velocity, the grease particles are separated from the waste water by flotation.” *Source prEN1825-1:1998*

The Endura Grease Interceptor from Hunter Plastics is the only moulded PP product of its kind available in the UK and Ireland. It provides the specifier with a high quality, cost effective solution to grease separation in large domestic and small to medium commercial situations.

- ① Endura incorporates many unique design features, for example the patented inlet and outlet baffles. The unit, in conjunction with the Influent Control Device (ICD) which both introduces air to the influent and protects the interceptor from influent surges, creates turbulence and slows the influent velocity.
- ② The influent is then forced upward by the integral ramp having been converted in to a laminar flow by the mouth of the inlet baffle.
- ③ The grease then floats to the top of the tank assisted by the entrained air introduced by the ICD, where it collects and is retained.
- ④ Any food particles remaining in the influent separate out of the flow under gravity and fall onto the ramp of the outlet baffle.
- ⑤ The linear design of the outlet baffle opening, creates a suction effect drawing the waste water and over 90% of the silt and particulates out of the tank, thereby reducing the required maintenance period. It is recommended however that the interceptor be fully dismantled and cleaned thoroughly on a 6 monthly basis, in addition to its regular servicing schedule.



Interceptor Sizing:

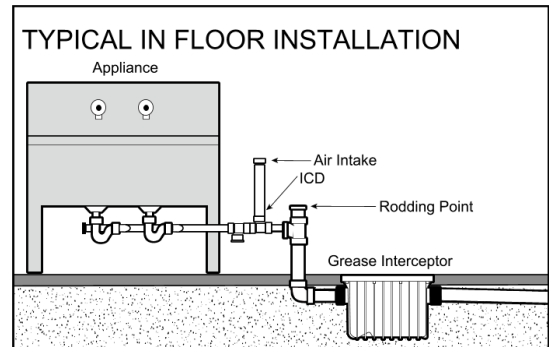
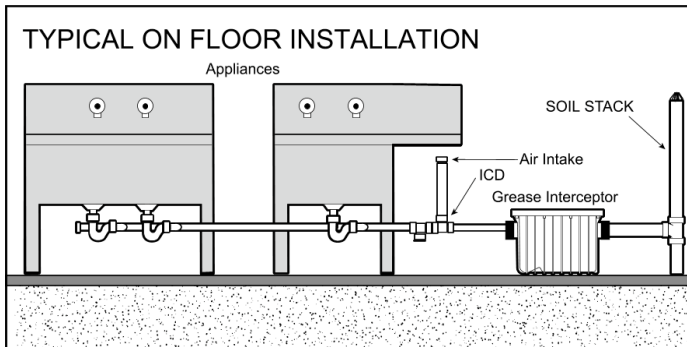
Appliance drainage period in combination with the service required and the volume of influent involved, establishes the rate of flow through the grease interceptor. Flow rate is therefore the primary gauge in establishing the correct size or capacity of interceptor for a particular application.

The link between flow rate and efficient interceptor operation is the Influent Control Device (ICD). A grease interceptor can not effectively regulate the flow of influent discharged from an appliance it is serving and therefore to ensure that the flow rate does not exceed the interceptor’s rated capacity, the Influent Control Device (ICD) is required on all installations. The ICD additionally protects from overload as a result of sudden surges from the appliance(s) controlling the flow of influent at all times and enabling the interceptor to operate effectively at its rated capacity.

The table below gives an example of how to correctly size a grease interceptor for an application.

Step	Formula	Example
1	Determine cubic capacity in metres of the appliance(s) by multiplying length x width x depth.	A sink 0.6m long, 0.46m wide and 0.2m deep. Cubic capacity: $0.6 \times 0.46 \times 0.2 = 0.055 \text{ m}^3$
2	Convert cubic metres into cubic litres – Multiply by 1000	Capacity in Litres: $0.055 \times 1000 = 55 \text{ litres}$
3	Determine the actual drainage load. It is considered that a fixture is normally filled to approximately 75% of its full capacity with water as the items being washed displace about 25% of that content. Actual Drainage Load = 75% of appliance capacity.	Actual Drainage Load (ADL): $0.75 \times 55 = 41.25\text{L}$
4	Determine flow rate and drainage period. In general good practice dictates a drainage period of between one and two minutes maximum. Drainage period is defined as the actual time required to completely drain an appliance. Flow Rate = $\frac{\text{Actual Drainage Load}}{\text{Drainage Period}}$	For a 1 minute drainage period: $\frac{41.25}{60} = 41.25\text{L/min flow rate (0.69L/sec)}$ For a 2 minute drainage period: $\frac{41.25}{120} = 20.625\text{L/min flow rate (0.344L/Sec)}$
5	Select a correctly sized interceptor. An interceptor should then be selected which has a flow rate capacity at least equal to the calculated flow rate. Where the calculated flow exceeds the Endura DSG16 capacity of 1.6 litres per second, a larger interceptor should be selected. Alternatively, more than one DSG16 can be used. In this case ensure that appliances are piped separately to each grease interceptor, so that the total capacity from each of the appliances does not exceed 1.6 litres per second.	For a 1 minute drainage period: 2 appliances of this size plus an additional 0.2L/Sec could be specified with an Endura DSG16. For a 2 minute drainage period: Up to 4 appliances plus 0.25L as per this example.

General Installation Data:



The grease interceptor should be installed as close as is practical to the appliances being served (**max. distance 8m**), being free standing, on or partially/fully recessed into the floor. Sufficient clearance for installation of the ICD and to allow for regular maintenance involving removal of the cover should be anticipated. Please note that a separate interceptor is recommended for each commercial dishwasher and **do not** install a grease interceptor in the waste line from a waste disposal unit and that the Endura Grease Interceptor is NOT recommended for above ground, external installation unless adequate protection from freezing is made.

Specification:

Endura Grease Interceptor

The Endura Grease Interceptor is manufactured by the ETEX Group of companies and distributed in the UK and Ireland under exclusive agreement by Hunter Plastics Ltd, Nathan Way, London SE28 0AE.

Supply and install ___ number, Hunter Endura DSG ___ Grease Interceptor(s) rated at ___ L/Sec flow rate and a grease capacity of ___ kg. Manufactured in durable Polypropylene, unit is to be furnished with removable inlet and outlet baffles (Patent Pending), Influent Control Device, integral air relief bypass, stainless steel cover fixings, O-ring cover gasket, and non skid cover surface. The unit is to be suitable for surface and sub-surface installation and supplied with full installation, commissioning and maintenance instructions.

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