



## ENDURA INSTALLATION INSTRUCTIONS, $1.6\text{ls}^{-1}$ & $3.2\text{ls}^{-1}$ UNITS.

### IMPORTANT INSTALLATION INFORMATION

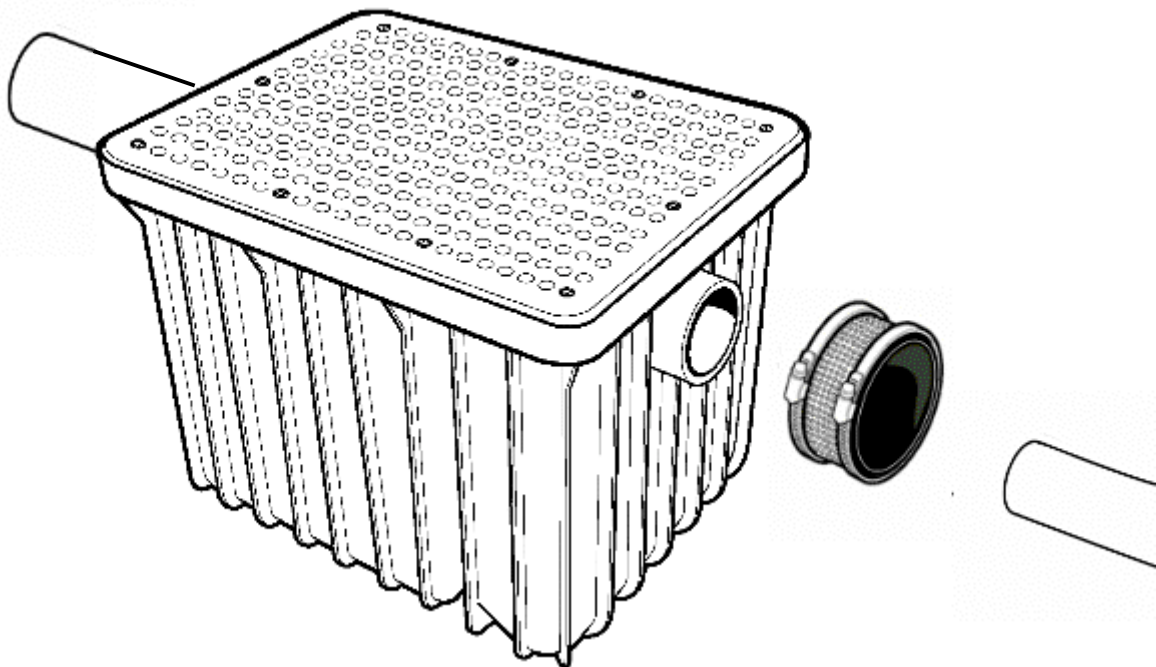
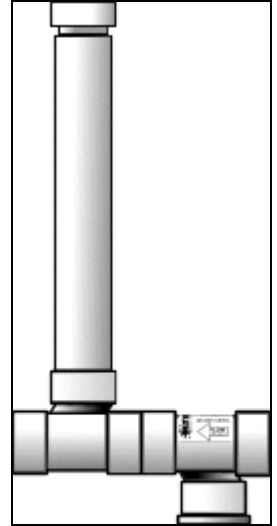
Due to the numerous installation configurations that the endura is used in, these notes are intended to clarify some of the limitations of the unit to avoid incorrect siting and installation.

These guidelines outline the installation of the endura in the following applications:

- (i) Outside of the building
- (ii) Two storey buildings
- (iii) Multi storey buildings

Standard Hunter Plastics  
ICD model

**NOTE: All Endura installations  
must include the fitment of the**



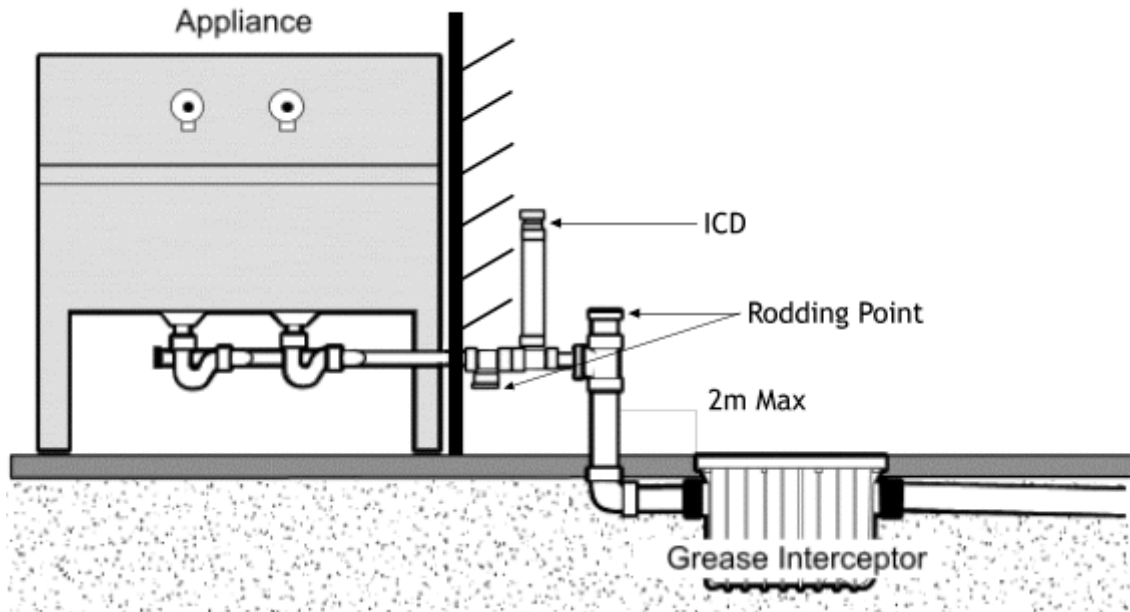
**For Internal above ground installations  
do not use an inlet pipe diameter  
greater than 50mm.**

## Installation Instructions - Applications

### (i) External Installations

For external installations it may be required to connect 110mm underground pipe work to the inlet of the endura. In this instance a 110mm pipe is allowable but for a maximum run of 2 metres. This is measured from the inlet connection of the endura to the outlet connection of the ICD. This concession is to allow for possible use of bends in the system to make the final connection to the grease interceptor.

### TYPICAL IN FLOOR INSTALLATION

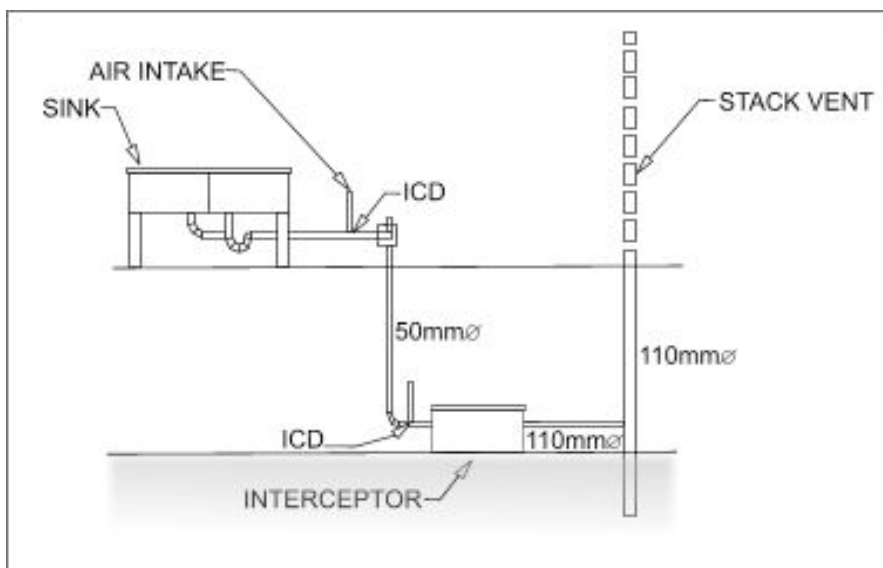


### (ii) Two storey buildings

This installation will require 2 ICD devices to be installed. The first ICD should be situated immediately after the outlet of the last appliance. A second ICD must be installed immediately before the inlet of the grease interceptor. Whether installing either the  $1.6\text{ls}^{-1}$  or  $3.2\text{ls}^{-1}$  unit, both ICD's must be fitted. Please ensure that these parts are purchased from your local endura stockist prior to installation.

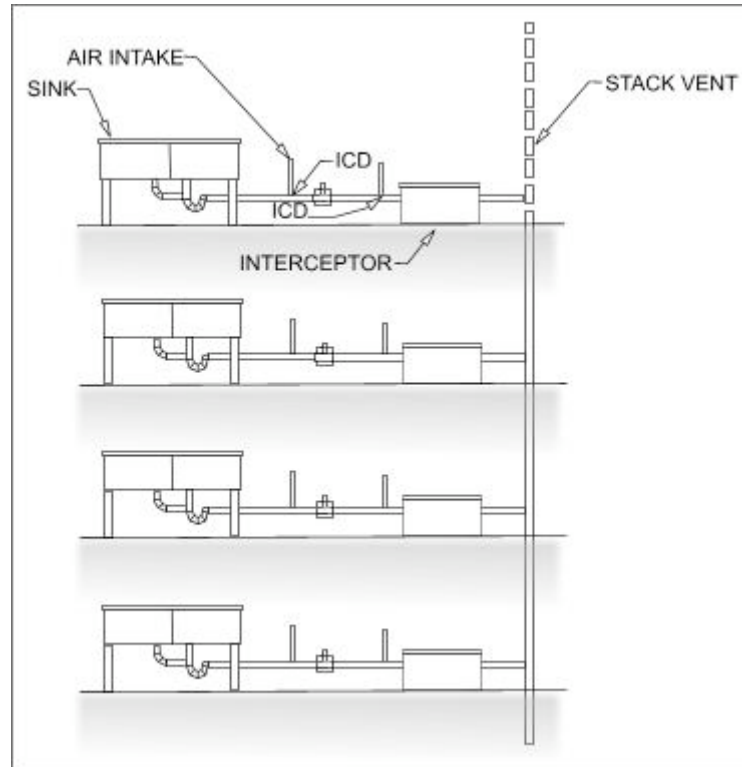
\* For a  $1.6\text{ls}^{-1}$  endura installation one additional ICD will be required (DSG16CD)

\*\*For a  $3.2\text{ls}^{-1}$  endura installation one additional ICD will be required (DSG32CD)



(iii) For multi storey applications, greater than 2 floors

To avoid potential internal pressurisation of the system and possible reduction in performance, it is recommended that one endura unit be installed on each floor level that has an appliance requiring a grease interceptor.



For all installations warranty of the unit will be void if the combined discharge rate of all the connected appliances exceeds the maximum specified flow rate of the endura unit.

Endura units are only suitable for applications where the discharge is gravity fed into the grease interceptor. The system is NOT suitable for use with pump evacuated appliances or pressurised soil stacks.

For any installation queries either go to the Hunter Plastics website ([www.hunterplastics.co.uk](http://www.hunterplastics.co.uk)) or phone Hunter Plastics direct (020-8855-9851) and ask to speak to the Technical Department.

## Installation Instructions - General

---

### General Information:

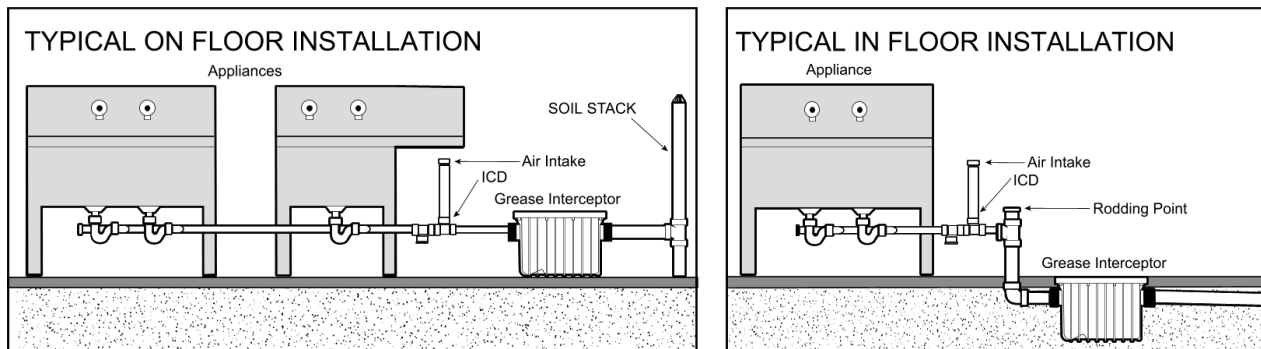
The Hunter Endura Grease Interceptor should be installed as close as is practical to the fixture(s) being served and can be set on, partially recessed or fully recessed into the floor. **Note that the Endura Grease Interceptor is NOT recommended for above ground, external installation unless adequate protection from freezing is made.**

Sufficient clearance around the cover area should be anticipated to allow for routine maintenance, including the removal of accumulated grease.

It is preferable that the Endura be located as close as possible to the appliances being served, up to a maximum of 8 metres from the last appliance. This precaution will prevent the waste pipes becoming clogged with congealed grease that could begin to solidify before reaching the grease interceptor.

DO NOT install Endura in the waste line from appliances such as waste disposal units. This type of unit must bypass the interceptor as rapid accumulation of solid matter will greatly reduce the interceptor's efficiency preventing operation in compliance with the rated capacity.

### Examples of Typical Installations.



### Installation:

Correct installation of a grease interceptor is critical to its efficient operation. Even the best designed units will operate inefficiently if not installed correctly.

The interceptor should be installed as close as physically possible to the fixture(s) it is serving, whilst allowing sufficient space to access the unit for cleaning and maintenance and for installation of the Influent Control Device.

Solid debris entering the unit may cause the interceptor to clog. If this is a possibility, it is recommended that a solids interceptor is also installed.

The Influent Control Device (ICD) supplied with the Endura Grease Interceptor is essential for efficient and effective operation. The ICD should be installed as close to the source (appliance(s)) as possible and upstream of the main grease interceptor. Without this device, flows through the interceptor may exceed the rating of the unit, causing reduced efficiency and allowing grease to pass through into the downstream drainage system.

The Hunter Endura is designed to maintain pressure equilibrium in the separation chamber through the incorporation of the ICD and an integral air relief bypass. The ICD allows the introduction and mixing of air with the influent approaching and entering the separation tank. The air that is entrained into the influent facilitates grease separation encouraging the flotation of the grease, with the combination of the ICD and integral internal air relief bypass, allowing the unit to maintain the correct pressure balance, thereby avoiding siphonage.

## Venting:

Grease interceptors must be connected to a vented waste (i.e. Soil Stack) sized in accordance with local building regulations.

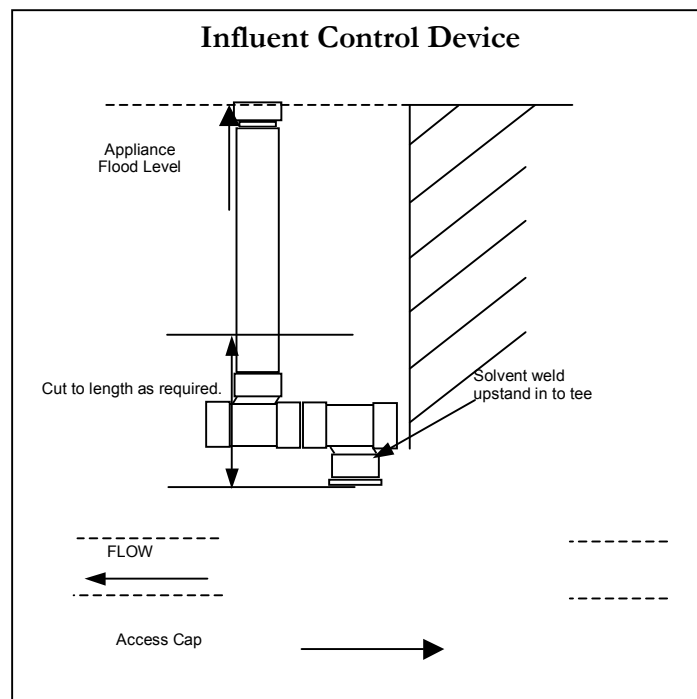
A single interceptor serving multiple fixtures is recommended only when the fixtures are located close together. In such installations, each fixture should be individually trapped and installed in accordance with local requirements. A minimum of 75mm water seal is recommended for commercial applications.

## Influent Control Installation:

The Influent Control Device (ICD) supplied with the Hunter Endura Grease Interceptor must be installed in the waste pipe, upstream of the interceptor and beyond the last connection from the appliance(s). The top of the upstand pipe (supplied at 500mm in length) must be positioned as close as possible to flood level and can be cut at the open end to reduce its length if required. The upstand should then be solvent welded into the open branch of the ICD itself. The pipe supplied with the Hunter ICD has a removable anti-siphon valve allowing a rodding access toward the tank. It is therefore suggested that where possible unrestricted access to this area be maintained. When waste of two or more fixtures are combined, to be served by one interceptor only one ICD need be fitted.

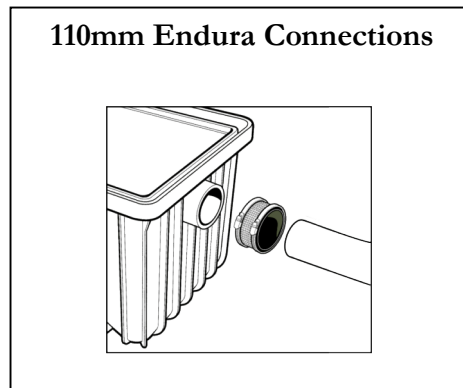
It is recommended that when fitted to the waste pipe itself, this be done in such a way that the ICD can be removed from waste line for cleaning and/or replacement purposes.

**Note:** The ICD should be checked regularly for accumulation of debris via the integral access cap.



## Connections:

All Hunter Endura Interceptors are manufactured with 110mm connections and the units are supplied as standard with one 110mm flexible drain connector, and one 110mm to 50mm reducer. Where below ground installation is required, a second 110mm flexible connector (DS28) can be purchased separately if required.



## General Maintenance:

To obtain optimum operating efficiency of the Hunter Endura Grease Interceptor it must be correctly sized (see Technical Specification Sheet), installed and a regular schedule of maintenance, formulated and followed. Every installation will be different from this point of view and it will take initially perhaps 6-8 weeks to establish the correct pattern of maintenance required.

Hunter Plastics in association with GMG Ltd are able to offer specialist advice on this and all aspects of the Hunter Endura Grease Interceptor. GMG Ltd are specialist waste management contractors, who deal specifically with Grease Interceptors and they will be pleased to advise on installation, commissioning and maintenance of your grease interceptor and can also provide quotations for waste management contracts and associated services should you so wish. They can be contacted at the following address: GMG Ltd, Eaton Works, Althorpe Road, Leamington Spa, CV31 2AV Tel: (01926) 432030 Fax: (01926) 432050 or alternatively refer to your local phone directory.

## Cleaning:

**It is essential to service grease interceptors regularly to maintain efficient operation.** The frequency of grease removal is dependent on the capacity of the grease interceptor and the quantity of grease contained in the influent. Once an optimal grease removal interval has been established for a specific installation, regular cleaning at that interval is necessary to maintain the rated efficiency of the unit. After the accumulated grease has been removed, the interceptor should be thoroughly checked to ensure that the inlet, outlet and air relief bypass, are clear of obstruction.

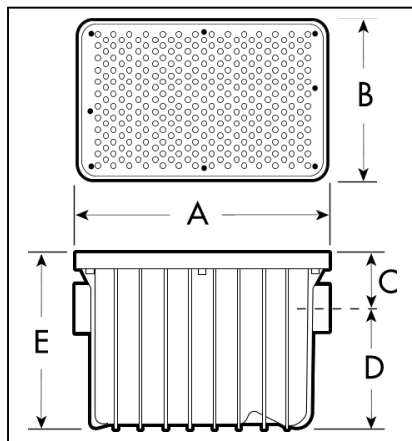
On completion of maintenance the interceptor should be refilled with water before replacement of the cover. On replacing the lid check the condition of the rubber lid seal and if any damage is evident it should be replaced (Please contact Hunter Sales hotline for advice). It is suggested that the lid seal should be replaced periodically (approximately 12-18 months) to ensure and maintain an effective airtight seal. Please note the interval is dependent on the frequency of maintenance schedule employed. To obtain replacement parts or for details of your local Hunter stockist please call 020 8317 1551 or visit our website at [www.hunterplastics.co.uk/stocklists.html](http://www.hunterplastics.co.uk/stocklists.html)

## Bacterial Dosing:

To reduce the maintenance period of your Endura Grease Interceptor, Hunter Plastics also offer 'Bio-G' a liquid digestion media, which when dosed into the interceptor on a regular basis breaks down and digests a significant proportion of the grease that would normally accumulate in the tank.

The Hunter BioPak starter kit (DSG10) comprises a programmable dosing unit, complete with 5 litres of Bio-G and all of the required connectors and tubing to complete a comprehensive installation. When installed, the package is neatly contained within a stainless steel enclosure that can be installed during or after commissioning of your Endura Grease Interceptor. For further details or to locate your local stockist please call 020 8317 1551 or visit our website at [www.hunterplastics.co.uk/stocklists.html](http://www.hunterplastics.co.uk/stocklists.html)

## Dimensional Information:



Part Number	DSG16	DSG32
Flow Rate (L/sec)	1.6	3.2
Grease Capacity (Kg)	23	46
Inlet/Outlet Size (mm)	110	110
Dimension A	600mm	787mm
Dimension B	445mm	597mm
Dimension C	107mm	127mm
Dimension D	307mm	318mm
Dimension E	414mm	445mm

## Hunter Plastics Limited

Nathan Way,  
London.  
SE28 0AE  
Tel: 020 8855 9851 Fax: 020 8317 7764 Int: +44 (0)20 8855 9851  
Web: [www.hunterplastics.co.uk](http://www.hunterplastics.co.uk)  
E-mail: [hunplas@hunterplastics.co.uk](mailto:hunplas@hunterplastics.co.uk)