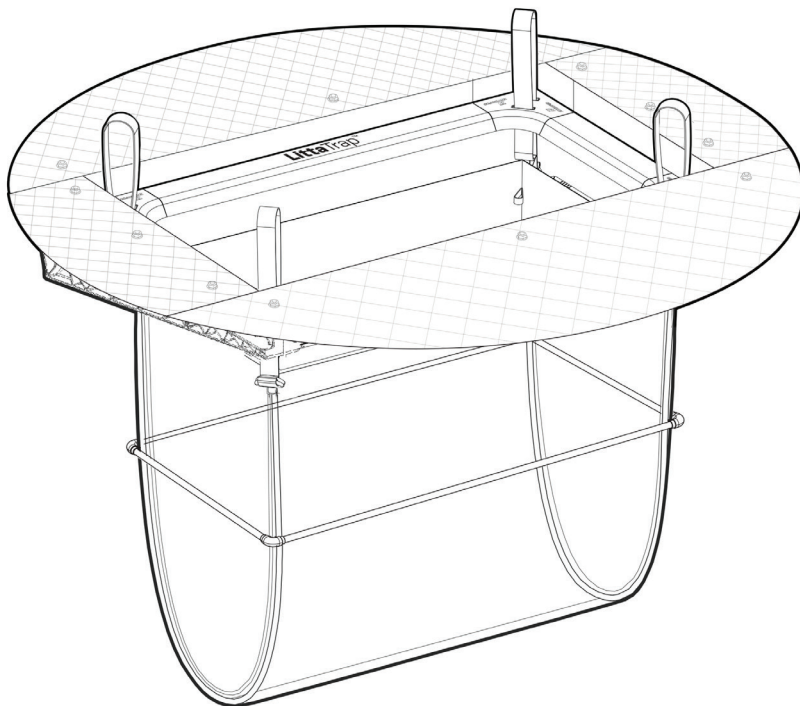


INSTALLATION MANUAL (MANHOLE)



For installation you will need:

- Measuring Tape
- Box Knife
- Rotary Hammer Drill and 10mm (3/8") Masonry Bit
- Socket Set with 13mm (1/2") & 17mm (11/16") Sockets
- Battery Drill/Driver & 8mm (5/16") Socket Bit





WARNING

It is essential to follow any local or national Occupational Health and Safety Laws when installing or maintaining LittaTrap™ filters. Ensure all required Personal Protection Equipment (PPE) is worn at all times and Traffic Management rules are adhered to.

When maintaining the LittaTrap™ follow all local or national guidelines for manual lifting whenever hand maintenance is actioned.



SITE SAFETY

We recommend checking your local website for a Site Specific Safety Plan before undertaking any installation.



HEALTH AND SAFETY

Personal Protection Equipment (PPE) is required when installing or maintaining a LittaTrap™. This will mean long sleeves, long pants, Hi-Viz, and closed shoes.

We also recommend the use of gloves when maintaining the LittaTrap™.

When maintaining the LittaTrap™ by hand it is essential to identify and assess the weight of the captured material before lifting, as weights can vary depending on the filter contents.

For additional advice on the relevant Health and Safety requirements we recommend that you consult your local website.



MAINTENANCE

All treatment devices require maintenance to remove trapped contaminants and prevent overflow bypass or flooding. Due to the variable nature of stormwater pollution and localised site pollutant loadings, maintenance frequencies vary for different sites and different rainfall characteristics. It is recommended to inspect your LittaTrap™ frequently over the first year of operation to determine seasonal and annual maintenance requirements.

The LittaTrap™ filter should be maintained when it is approximately 2/3 filled with pollutants or if the filter fabric becomes blocked from hydrocarbons, organics or sediment.

Maintenance is carried out by lifting the filter insert out of the frame assembly using 'J' hooks and emptying into a suitable vessel or trailer to be taken away from the site and disposed of appropriately for the contaminants. Please ensure that all care is taken when disposing of litter as the rubbish caught could contain sharp and dangerous objects.

If there are no "J" hooks the bag can be lifted out by the pulling the Filterbag handles. If the filter fabric is clogged, it should be water blasted into a contained vessel prior being fitted back into the frame assembly.

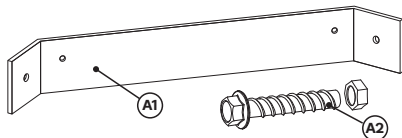
When carrying out maintenance of the LittaTrap™, it is essential to inspect the overflow bypass slots at the top of the filter insert to ensure no pollutants have been caught and may restrict the flow.

If the LittaTrap™ insert is too heavy to lift by hand, it will need to be maintained using a vacuum inductor truck. When cleaning using a vacuum inductor truck it is essential to take care to not damage the bag from the induction boom. Sediment and pollutants should be vacuum inducted until approx 3/4 empty, and then the remainder lifted and emptied by hand.

SUPPLIED COMPONENTS

Part A – x1 *

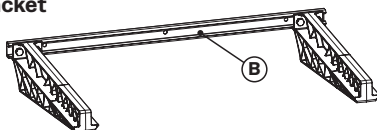
Manhole Adaptor Plate & M10 Bolts



* Please note this component may come as a separate kit.

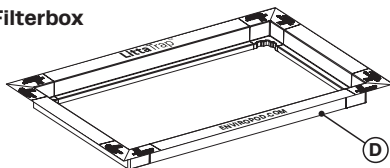
Part B – x1

Bracket



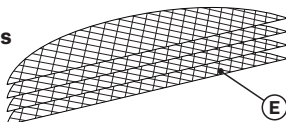
Part D – x1

Filterbox



Part E

Plastic Seals



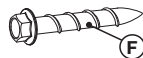
Part C

Masonry Anchor Bolts



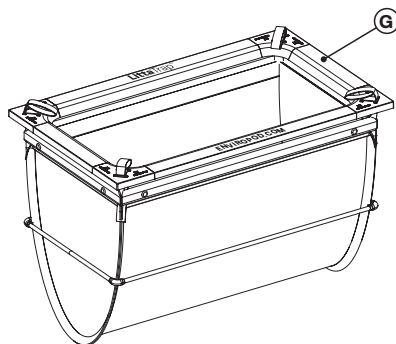
Part F

Self Drilling Hexhead Screws



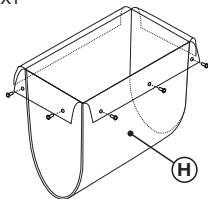
Part G – x1

Filterbag



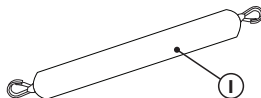
Part H – x1

Liner



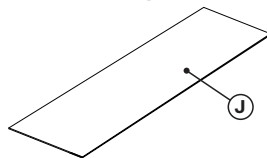
Part I – x1

Oil Absorbent Pouches



Part J – x1

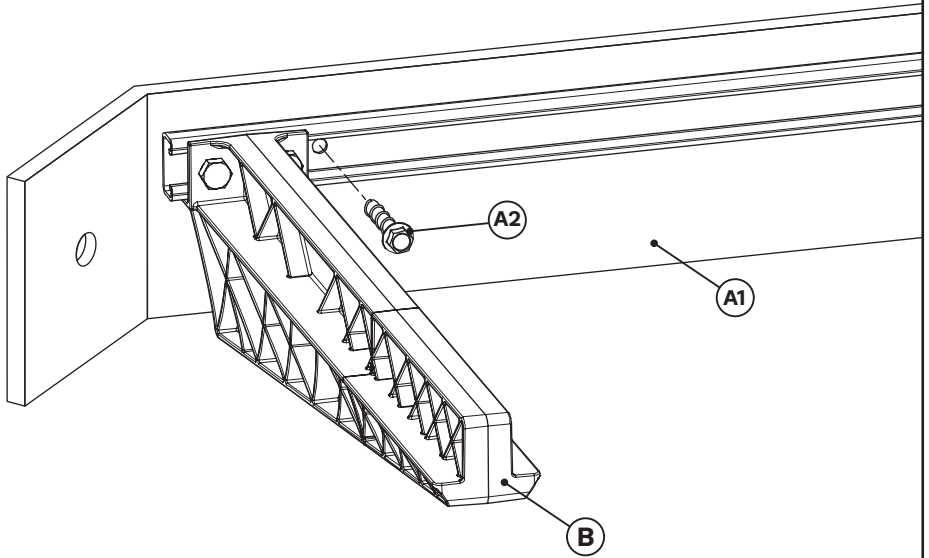
Extension Flap



OPTIONAL EXTRAS

BRACKET INSTALLATION

01

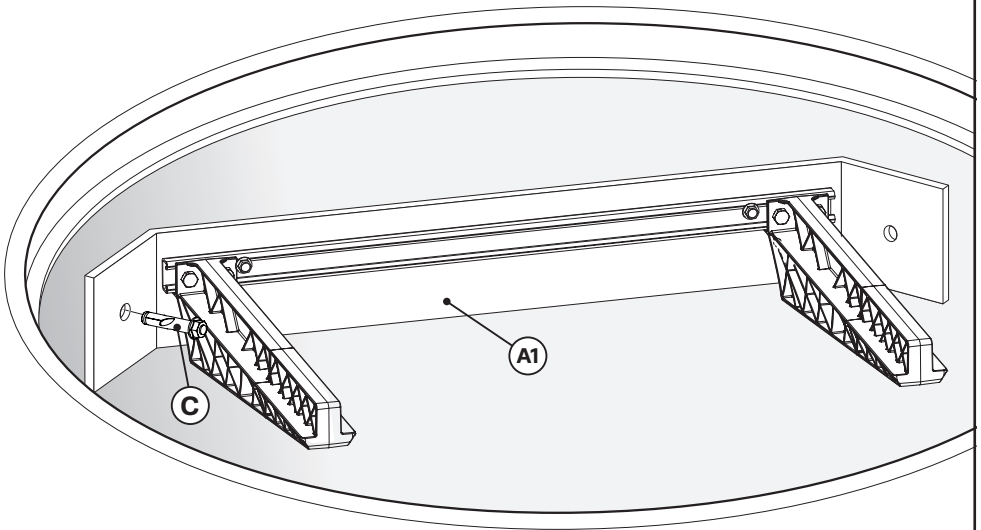


STEP 01

To fasten the **Bracket** assembly insert the supplied **M10 Bolt** and Nut to secure through the bracket onto the **Manhole Adaptor Plate** and tighten to secure.

BRACKET INSTALLATION

02

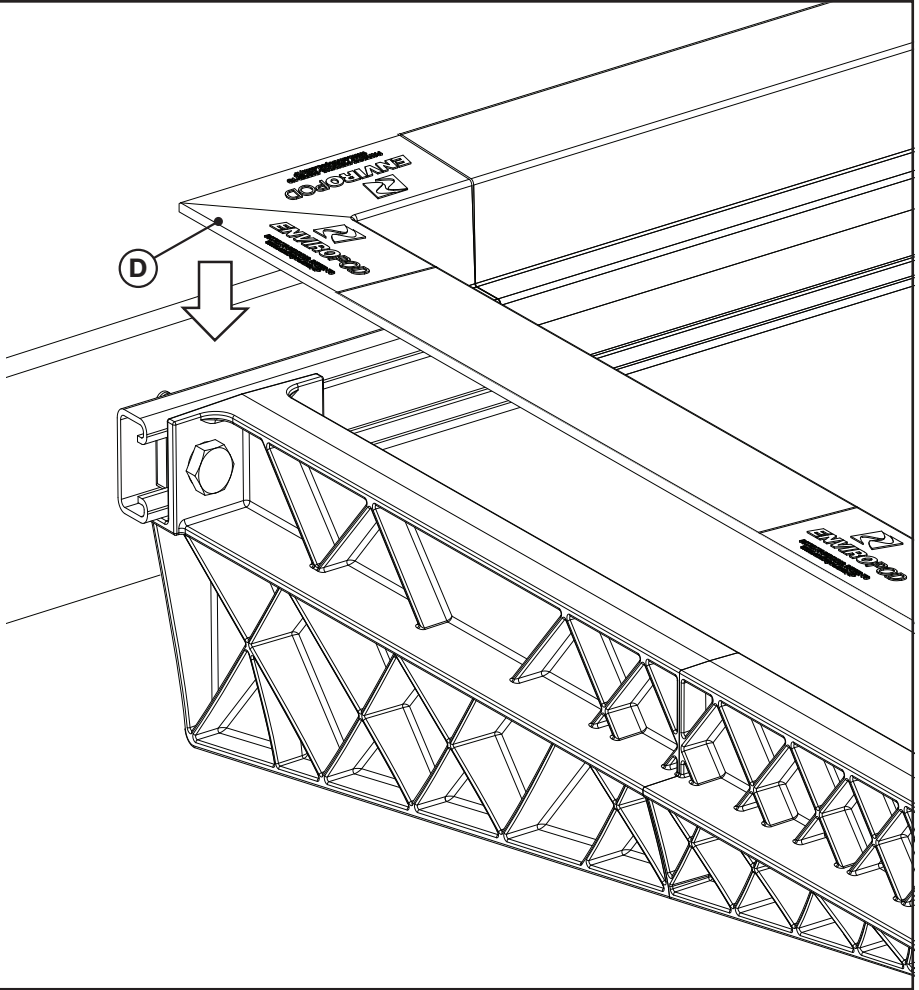


STEP 02

Place completed **Manhole Adaptor Plate assembly** against the manhole riser wall at the correct height inside riser and mark positions for drilling in **Masonry Anchors**.

Note: the top of the **Manhole Adaptor Plate** will be at the approximate level of the top of the **Filterbox** and seal. Drill holes as required using the **Masonry Drill** and fasten plate to the wall using the **Masonry Anchors**.

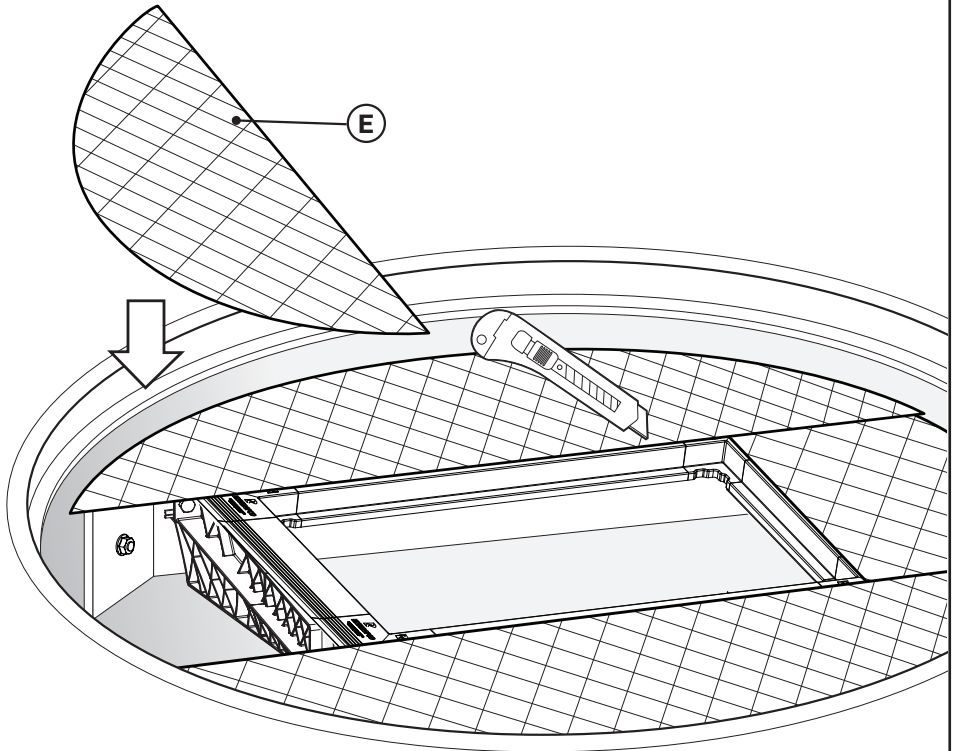
03



STEP 03

Place the **Filterbox** in the correct position on the **Brackets** so that the underside of the top face of the **Filterbox** sits evenly onto the top face of the **Brackets**.

04



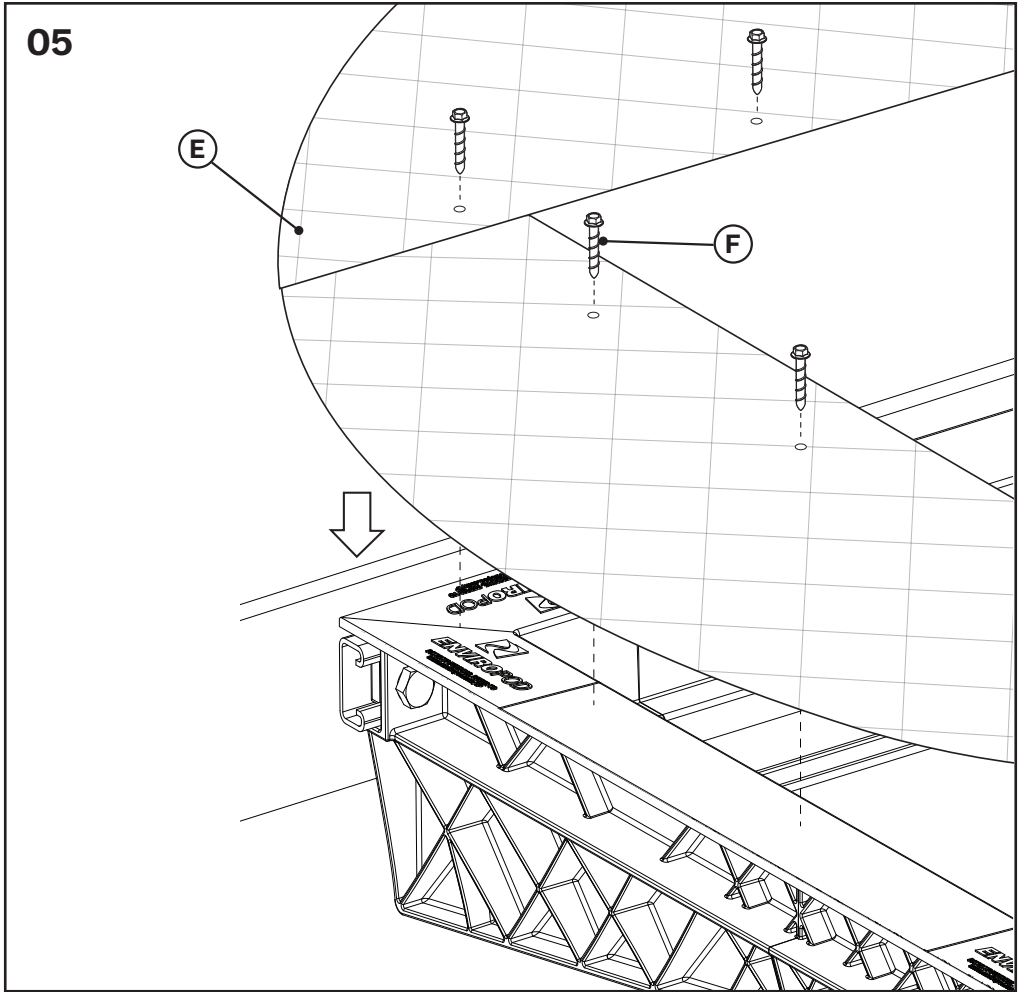
STEP 04

Ensure the **Pre-Cut Seals** are the correct size to seal against the side of the Manhole Wall ensuring they do not overhang the inside wall of the **Filterbox**.

Note: The seal mat needs to be trimmed to ensure the correct fit – typically the seals need to be approx. 20mm larger than the diameter of Manhole Riser so they are supported against the side-wall.

FILTERBOX INSTALLATION

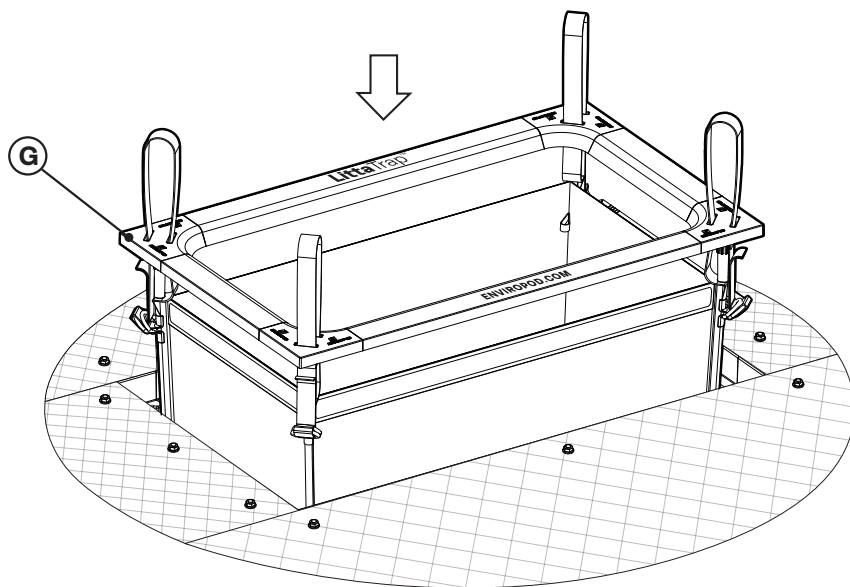
05



STEP 05

Secure the unit using the **Battery Drill** to screw the **Self Drilling Screws** through the **Plastic Seals** into the **Filterbox** and into **Bracket**.
Complete on all sides.

06



STEP 06

Complete the **LittaTrap** by lowering the complete **Filterbag** into the pit. Reposition & close grate.