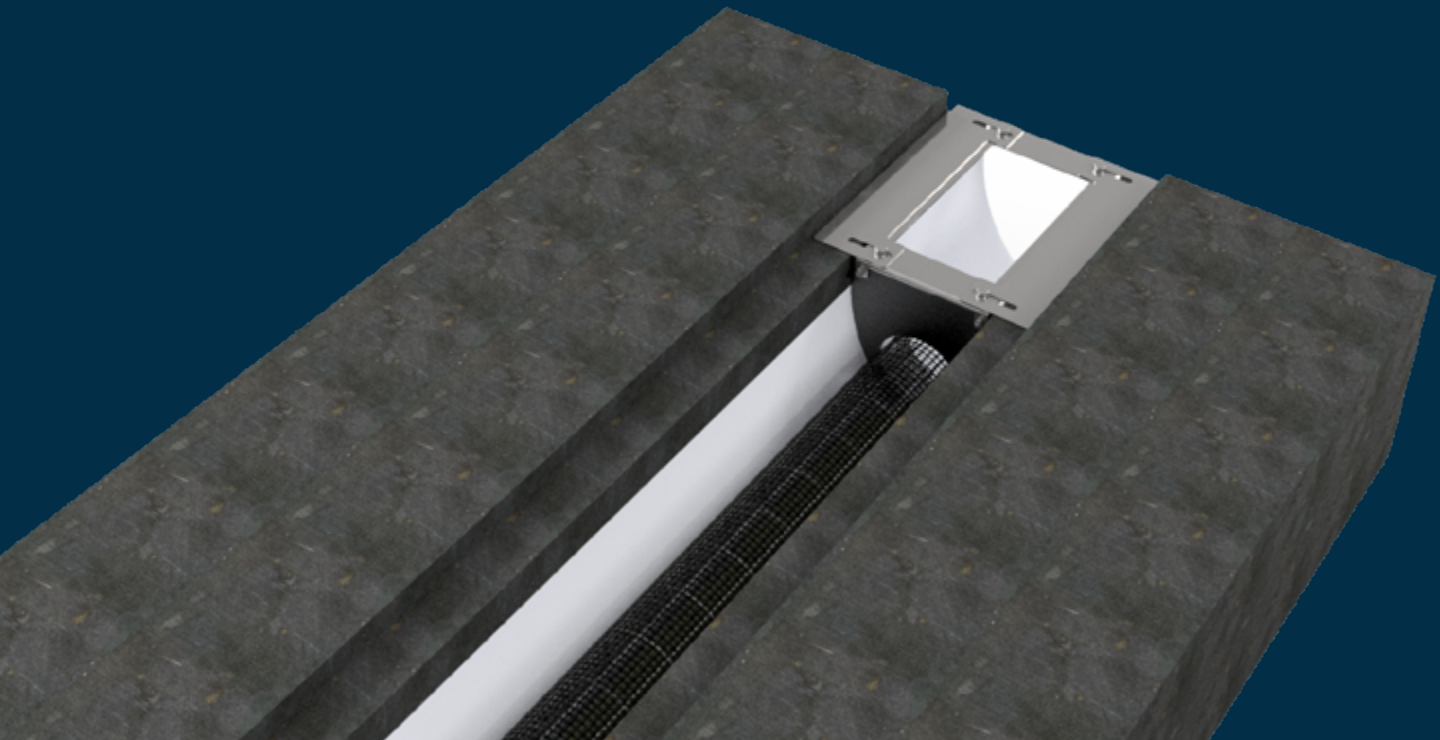


TrenchPod™

Trench Drain Filter



**Operations and
Maintenance Guide**

Product Overview

TrenchPod™ from EnviroPod™ is a trench drain filter system. It is a modular, site-adaptable stormwater filtration device designed for urban runoff. It is engineered to integrate seamlessly with a wide range of trench drain profiles through on-site modifications, ensuring compatibility with both new and retrofit installations.



KEY FEATURES

Modular Design: The system is composed of modular filter bag frame sections that can be extended or shortened to suit trench length and maintenance requirements.

Site-Fitted Installation: HDPE end plates are supplied in standard sizes and cut on-site to match any trench profile.

Full Capture Mesh: 5mm mesh liner which meets California Water Board trash full capture requirements or other mesh options are available.

Lab-Tested Flow Rates: The filter has been tested under controlled laboratory conditions.

Durable Materials: Constructed from stainless steel, HDPE and PVC.

Overflow Protection: Integrated bypass plates allow excess water to flow through during high-volume events.

OPERATION

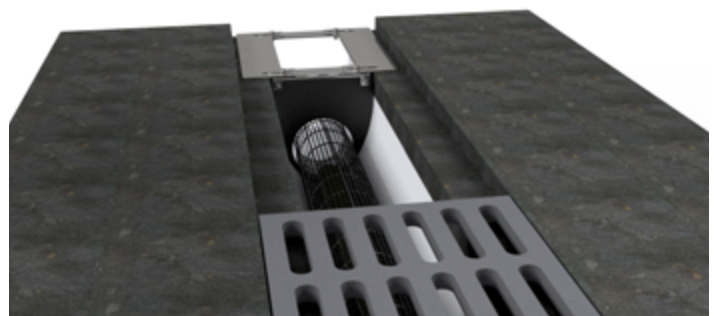
The filter operates passively, allowing stormwater to flow through the mesh element while capturing pollutants.

By adding a LavaSorb™, additional protection of hydrocarbons is provided. Overflow protection is built in to handle high-flow events.



INSTALLATION SUMMARY

1. Preparation: Remove trench grates and clear the trench of debris (leaves, trash, and dirt).
2. Lay out all materials next to the trench.
3. Measure the profile of the trench drain using a template available, otherwise a profile gauge can be used.
4. Cut out the template to fit the measured trench drain profile and outline on the HDPE end plate.
5. Using a jigsaw, cut out the plastic end plate to fit the trench drain, ensuring the hole for the cage has a minimum 3/8" (10mm) gap from the bottom of the plate, and that the plate is 1/4" shallower than the trench drain.
6. Slide the filter bag on the cage so the open end is on the side that goes into the end plate.
7. Slide the cage and filter bag into the HDPE end plate so it snaps in place.
8. Place the top plate onto the HDPE plate and screw in place using provided bolts and nuts.
9. Place on the locating plates, making sure they sit under the grate and attach using the screws, nuts, washers and dome headed bolts provided.
10. Replace the grate and remove any leftover tools or materials.



Maintenance Procedures

HEALTH AND SAFETY

EnviroPod™ recommends that owners check and utilize any applicable State and local regulatory requirements for applying a Site-Specific Safety Plan before undertaking any installation, inspection, or maintenance service. Personal Protection Equipment (PPE) is required when installing, inspecting, or maintaining a TrenchPod™ Trench Drain filter. For additional advice on the relevant health and safety requirements, we recommend that you consult the local health and safety regulator.

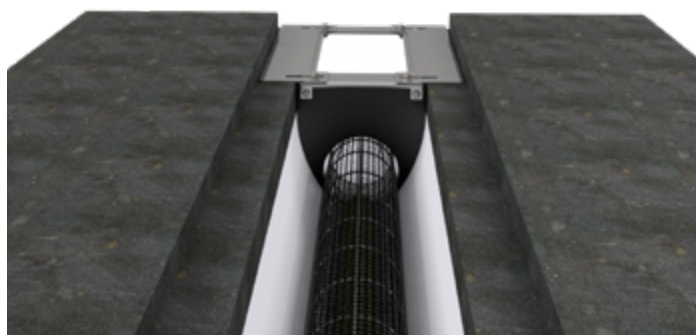
INSPECTIONS

Inspection Frequency:

- Monthly during rainy seasons.
- Quarterly during dry seasons.
- After large rain events or spills.

Inspection Checklist:

- ✓ Check for debris accumulation on grates.
- ✓ Inspect filter bag for clogging or damage.
- ✓ Ensure outlet adapter is securely seated.
- ✓ Verify LavaSorb™ integrity and placement if included.



MAINTENANCE FREQUENCY

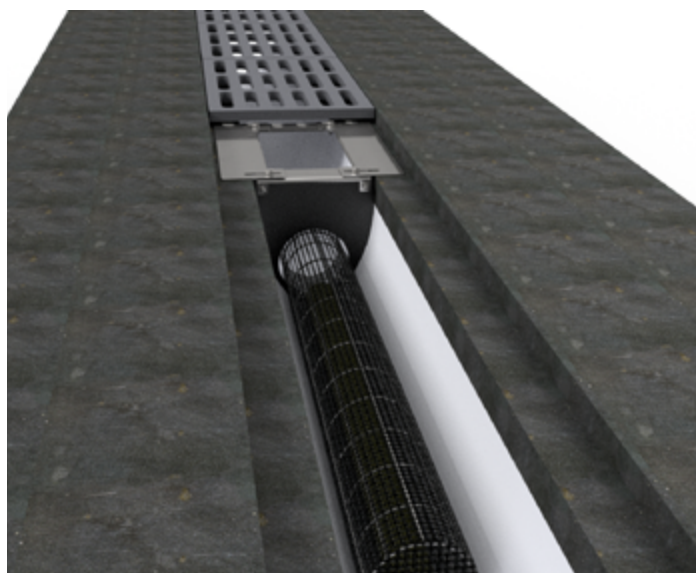
Cleaning Instructions:

1. Remove trench grates.
2. Vacuum out captured debris or gather from filter by hand.
3. Rinse filter bag and bag with clean water.
4. Reinstall components and replace grates.

MAINTENANCE PROCEDURES

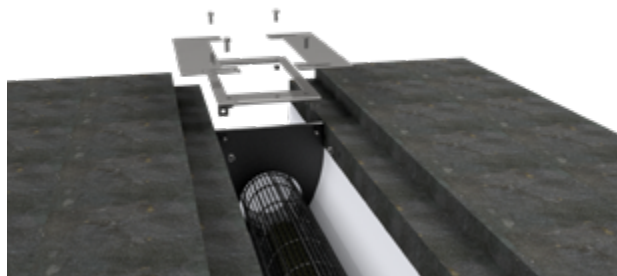
Replacement Guidelines:

- Replace LavaSorb™ annually or as needed.
- Replace filter bag if torn or excessively clogged.



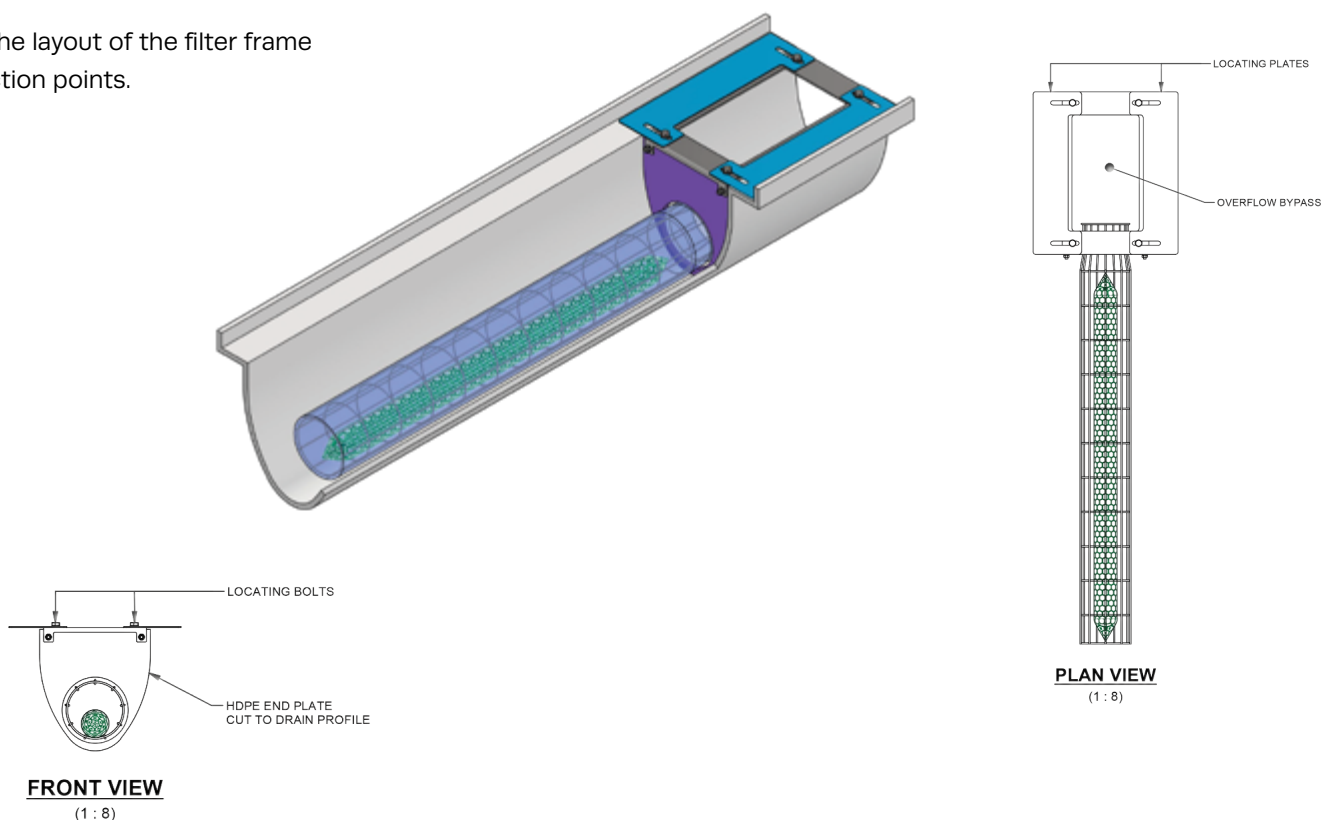
Technical Overview and Layout

The TrenchPod™ trench drain filter system includes a modular filter bag frame constructed from stainless steel and HDPE components. It features a wire cage with expansion rings, stainless steel rungs and brackets, HDPE interface plates cut on-site, and a bypass plate for overflow protection. Modular extensions allow customization to trench length using friction-fit connections.



TECHNICAL DRAWINGS

Highlights the layout of the filter frame and connection points.



Note: These views are generic representations based on standard trench drain filter configurations. Specific dimensions and configurations may vary.

ABOUT ENVIPOD™

EnviroPod™ is the leading catch basin insert technology provider. The company has over 75,000 installs of its technology worldwide, including catchment wide retrofits.

For further information please see www.enviropod.com

International patent numbers for : CA – 2,810,974 ; USA – 9,642,658 ; AU – 2011302712 ; NZ – 588049 . Other patents pending.

