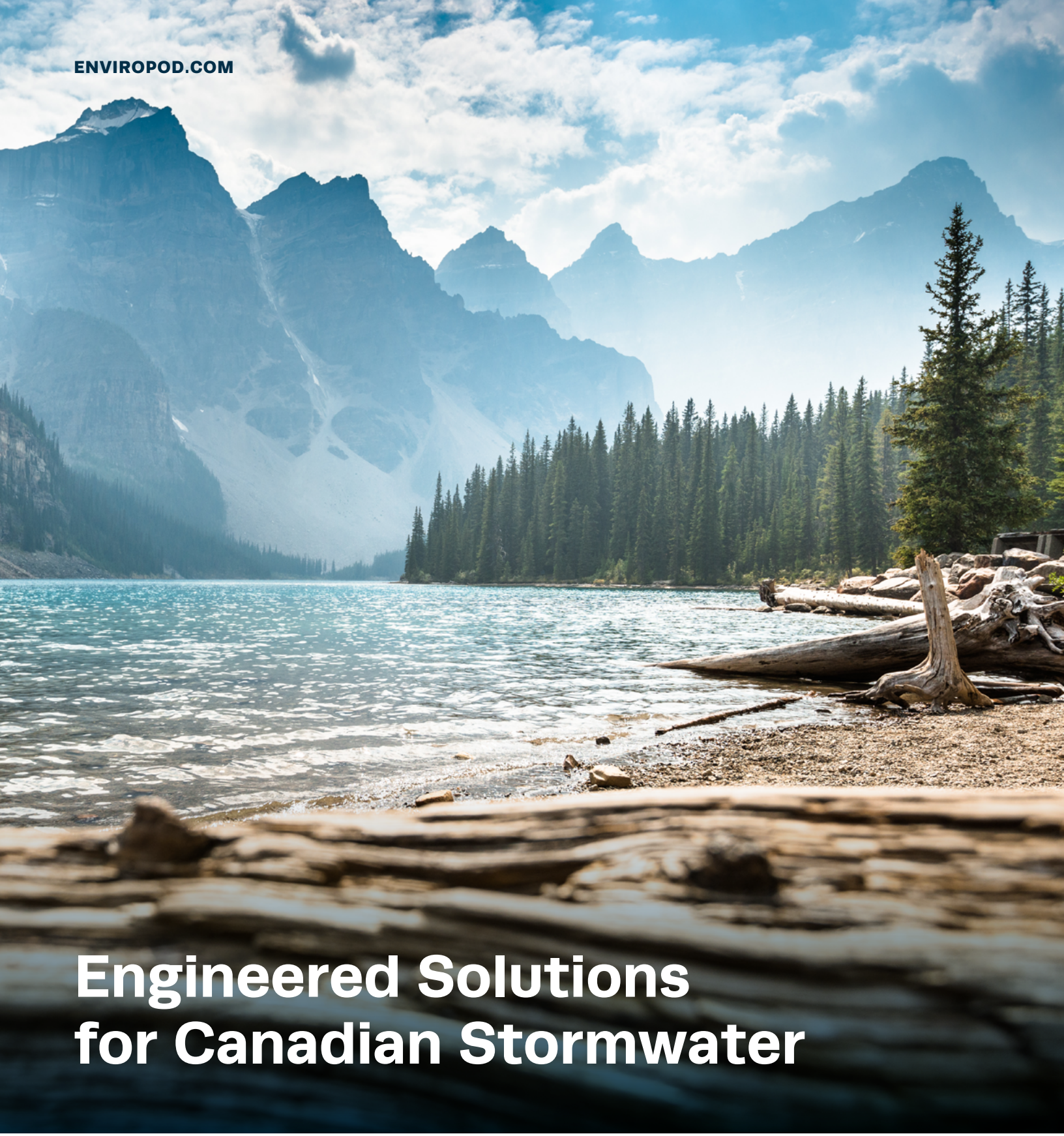
ENVIROPOD.COM



Engineered Solutions for Canadian Stormwater

EnviroPod™ Stormwater Solutions Guide

ENVIROPOD™
A STORMWATER360™ COMPANY

Engineering Stormwater Solutions – Designed for Canadian Infrastructure

EnviroPod™ specialises in engineered at-source stormwater treatment designed to capture pollutants where runoff enters the drainage system. By applying a distributed treatment approach, EnviroPod™ solutions reduce downstream pollutant loads, support Low Impact Development (LID) strategies, and enable practical compliance with evolving regulatory requirements — without extensive reconstruction or disruption to existing assets.

Since pioneering patented catch basin insert technology in 1996, EnviroPod™ has focused on developing modular, retrofit-ready and plug and play systems that balance hydraulic performance, operational simplicity, and long-term life-cycle value. Designed for real-world conditions and verified through independent testing, EnviroPod™ technologies help Canadian municipalities, engineers, and industrial asset owners address stormwater challenges with practical, scalable solutions.

From retrofittable inlet filtration to integrated water quality inlets and specialised treatment accessories, EnviroPod™ systems are installed globally to capture trash, sediment, hydrocarbons, plastics, and other pollutants at the source, protecting waterways while simplifying infrastructure delivery and maintenance.

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The EnviroPod™ Approach:

- At-source pollutant capture to protect downstream systems
- Retrofit-ready solutions that minimize civil works
- Distributed treatment aligned with LID and green infrastructure
- Maintenance-friendly designs that prioritise safety and simplicity
- Engineered performance verified through third-party testing

EnviroPod Technologies remove a range of contaminants.

Key Contaminants:

- Trash
- Plastic Pellets
- Sediment
- Oil
- Phosphorous

ENVIROPOD™ SOLUTIONS:

EnviroBasin™

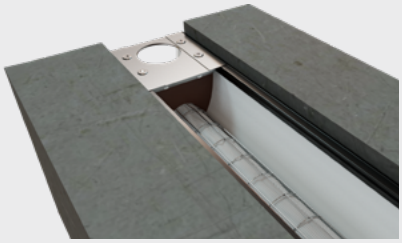
Water Quality Inlet / Hydrodynamic Separator engineered for New Developments & Pre-treatment

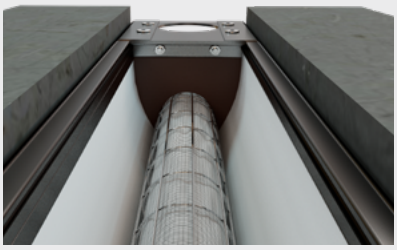
LittaTrap™

Catch Basin Filter Insert.
Retrofitable trash capture.

TrenchPod™

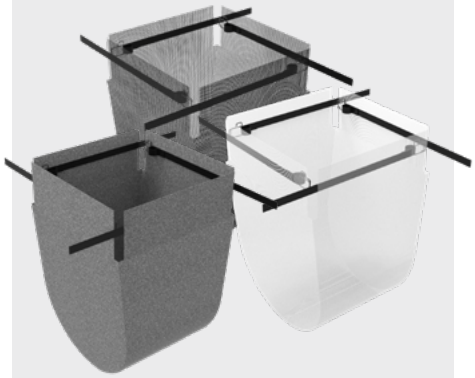
Trench Drain Filtration System





Performance Liners

Range of applications and site-specific pollutants



LavaSorb™

Reusable Oil Absorbent Boom

Flange / Vector Port

Available with custom stainless steel flanges and Vector Ports in plastic seals or metal flange.

Talk to us about phosphorous credits in the Lake Simcoe region as part of the Phosphorus Offsetting Policy.

Contact us at: INFO@ENVIROPOD.COM I Toll Free: (877) 651 0566

Stormwater Treatment Selection Matrix

Solutions designed for Canadian infrastructure, retrofit programs, and new development compliance.

Scenario:	EnviroBasin™	LittaTrap™	TrenchPod™	Performance Liners	LavaSorb™
Municipal retrofit programs	**Yes** – *Air*	**Yes** – *Primary solution*	*Site-specific*	*Optional*	*Optional*
New subdivision development	**Yes** – *Primary solutions*	*Pre-treatment only*	*Site-specific*	*Optional*	*Optional*
Low Impact Development (LID) pre-treatment	**Yes** – *Ideal for pre-treatment*	**Yes**		*Optional*	
OGS equivalent requirement	**Yes** – *ETV verified equivalent*				
Urban roadway runoff	**Yes**	**Yes**	**Yes** – *In linear drainage area*	Optional	Optional
Industrial facilities / yards	**Yes** – *If new infrastructure*	**Yes**	**Yes** – *in trench drains*	**Yes** – *targeted contaminants*	**Yes** – *captures hydrocarbons*
Plastic pellet / microplastic capture	**Yes** – *when pellet performance liner is used*	**Yes** – *when pellet performance liner is used*	**Yes** – *when pellet performance liner is used*	**EnviroPod Pellet Performance Liner** – *captures 100% > 1mm*	
Construction site sediment control	**Yes** – *when construction performance liner is used*	**Yes** – *when construction performance liner is used*		**EnviroPod Construction Performance Liner** – *captures construction runoff*	
Retrofit without major civil works	**EnviroBasin Air depending on structure**	**Yes** – *made for retrofits*	**Yes** – *where trench drains are in place*		
Hydrocarbon risk areas (fuel, maintenance)	**Yes** – *with the addition of LavaSorb™*	**Yes** – *with the addition of LavaSorb™*	**Yes** – *with the addition of LavaSorb™*		**Yes** – *designed for absorbing & retaining oil*
Space-constrained sites	**Yes** – *Integrated design*	**Yes**	**Yes** – *compact linear design*	**Yes** – *Fits within products, does not take up more space*	**Yes** – *Fits within products does not take up more space*

EnviroBasin™

Manufactured in Canada

Water Quality Inlet / Plug and Play / Equivalent to OGS

The EnviroBasin™ is an innovative, all-in-one precast Water Quality Inlet (WQI) system — available in a range of sizes and configurations. Each unit combines a hydrodynamic separator with a catch basin to capture and treat stormwater runoff at the source, removing sediment, trash, plastics, and debris before water reaches local waterways.

The EnviroBasin™ is an ETV-certified device and delivers performance equivalent to an **Oil and Grit Separator (OGS).**

Designed for simple integration into any infrastructure project, EnviroBasin™ units are supplied as fully manufactured products. Their integrated nature reduces concrete, pipework and maintenance requirements, conserving space and saving contractors time and money.

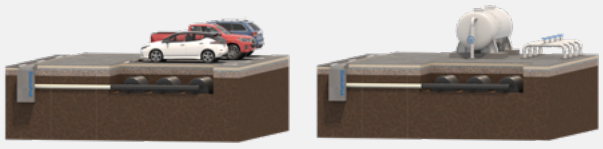
EnviroBasin™ is the ultimate pre-treatment solution for LID, rain gardens, tree cells and urban green infrastructure.

Key Benefits:

- Plug and Play
- ETV verified
- Easy maintenance with minimal cost and effort
- Significant cost saving
- Independently tested
- Lower carbon footprint
- Large storage volume
- Meets regulatory compliance

Applications:

PRE-TREATMENT



LOW IMPACT DESIGN

URBAN COASTAL AREAS

EnviroBasin™ Standard Grate Inlet

EnviroBasin™ Configurations & Sizes

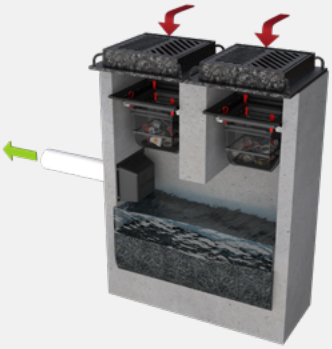
Model	LittaTrap™ Size	Impervious area for 60% TSS* (m^2)	Gross Solid Storage (L)	Sediment Storage (m^3)
Standard	LT6060	950	43	0.32
London Combination	LT6060 with seal kit	1330	43	0.45
Twin	LT6060	2300	43	0.78
Ditch	2 x LT6060	950	43	0.32
Junction	LT6060	950	43	0.32
EnviroBasin Air	Catch basin manhole retrofit. Contact us for more information.			
Shallow	Ideal for pre-treatment for LID. Contact us for more information.			

*Estimated using ETV PSD modeled in a specification based on 6 hour 25mm storm depth. Note this is a guide only and site specific design may be required.

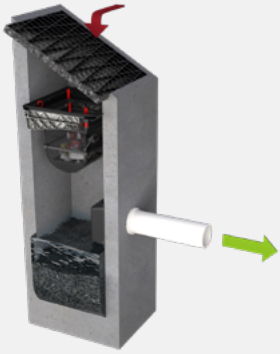
Standard

Combination

Twin

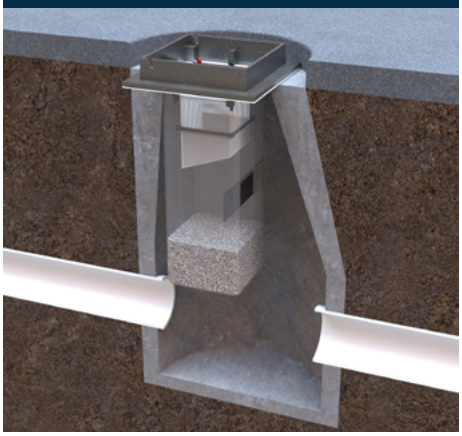


Ditch



Junction

Air



Trialled and verified in Canada to Canadian ISO 14034 ETV verified Oil and Grit Separator standard.

EnviroBasin™ vs Traditional Oil & Grit Separator (OGS)
Comparison Overview

Feature:	EnviroBasin™ – Water Quality Inlet	Traditional Oil & Grit Separator (OGS)
Treatment Approach	Distributed, at-source treatment integrated into the catch basin	Centralized downstream treatment system
Installation Type	Integrated precast catch basin with treatment	Large standalone vault structure
Retrofit Capability	Suitable for retrofit and new installations	Typically installed as part of new construction or major upgrades
Footprint	Compact installation footprint	Larger footprint required
Excavation Requirements	Reduced excavation compared to vault systems	Significant excavation typically required
Construction Complexity	Simplified installation	More complex installation and coordination
Hydraulic Function	Designed to maintain catch basin hydraulic capacity	Flow dependent on vault design and placement
Maintenance Access	Surface-level access	Often requires confined space entry
Treatment Strategy	Distributed network-based treatment	Centralized treatment approach
Integration with LID/Green Infrastructure	Suitable for distributed pre-treatment	Can be incorporated as centralized treatment
Lifestyle Considerations	Modular and scalable installation approach	Single centralized treatment asset
Performance Verification	ETV verified performance equivalent to OGS	Established industry standard technology

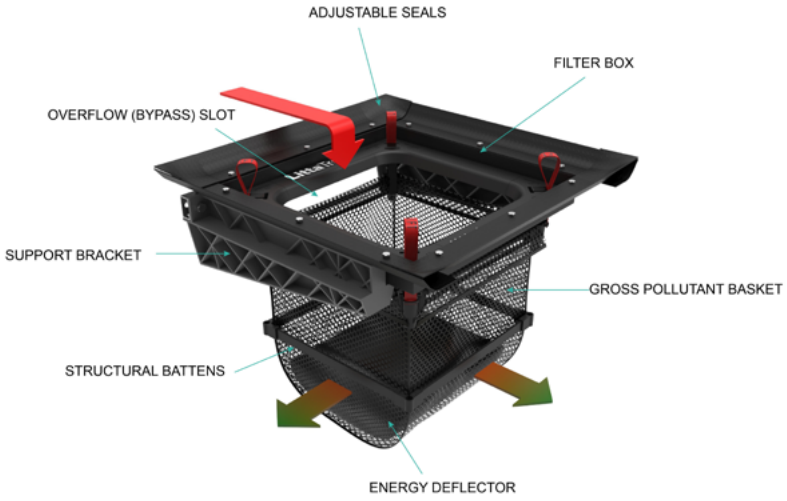
LittaTrap™

Retrofitable / Modular / Flexible

The EnviroPod™ LittaTrap™ is an innovative catch basin filter (insert) device designed to be easily installed into new and existing stormwater catch basins of any size or configuration. The EnviroPod™ LittaTrap™ can be installed in range of catch basins with its modular and flexible design.

The EnviroPod™ LittaTrap™ is an effective stormwater treatment technology that is designed to capture and remove a variety of stormwater pollutants conveyed in runoff, such as trash, debris, sediment, macro or micro plastic debris and other pollutants of concern.

In addition, the EnviroPod™ LittaTrap™ maintains catch basin hydraulic capacity and allows for easy maintenance when completely full of trash and debris. The EnviroPod™ LittaTrap™ is available in a range of standard model sizes and configurations. The performance of the LittaTrap™ can be enhanced by the use of EnviroPod™ performance liners to meets site-specific contaminants.



CONFIGURATIONS:

Grate

EnviroPod™ LittaTrap™

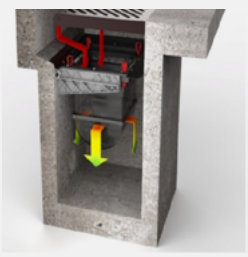
Grate Inlet Catch Basin

Manhole

EnviroPod™ LittaTrap™

Manhole Catch Basin – Concrete & PVC

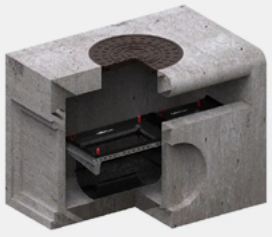
Combination



EnviroPod™ LittaTrap™

Combination Catch Basin

Curb



EnviroPod™ LittaTrap™

Curb Catch Basin

KEY BENEFITS:

» **EASY INSTALLATION**
with fewer parts and a lighter frame, the installation process is quicker and saves you time on site

» **FLEXIBILITY**
The flexible design allows the system to be easily adjusted to fit any catch basin configurations

» **SEAL AND ADAPTOR KITS**
for irregular sized and manhole catch basins

» **EASY MAINTENANCE**
The LittaTrap can be maintained quickly and easily by hand or by vacuum truck

» **THIRD PARTY TESTED**

Field and Laboratory tested and hydraulically engineered

» **LIGHTWEIGHT & DURABLE**
The lightweight yet durable design of the LittaTrap is a safer and a longer lasting product than the alternatives

APPLICATIONS

» Pre-treatment
» Urban, commercial and industrial areas
» Maintenance yards, loading bays, and railway yards
» Roadways and footpaths
» With the inclusion of the pellet liner the LittaTrap™ captures plastic pellets and helps companies meet Operation Clean Sweep® objectives. EnviroPod™ is an official member of the Plastics Division of CIAC.

EASY MAINTENANCE

Maintenance is a simple process that requires no confined space entry.
Maintenance can be quickly undertaken using a vacuum truck or it can be maintained manually by hand.

1 Lift

Lift the LittaTrap out of the catch basin using the LIFT handles.

2 Tip

Tip the contents out of LittaTrap into suitable receptacle for contents.

3 Reuse

Reuse the LittaTrap by placing securely back into the surrounding frame and seal, and close grate.

Performance Liners

The performance of the LittaTrap™ catch basin filter can be enhanced with the inclusion of an EnviroPod™ Performance Liner to target site-specific contaminants.

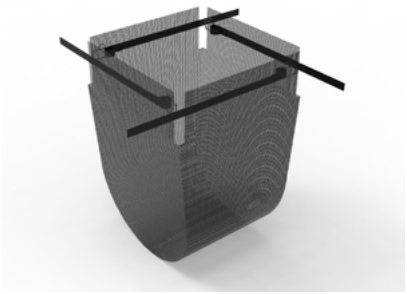
The LittaTrap™ basket as a standalone unit captures all particles slightly over 5mm in size. When coupled with a Performance Liner, finer particles can be targeted.

The Performance Liners are easily attached to the LittaTrap™ basket, and we provide options for a range of liner sizes to target the smallest gross pollutants, such as plastic pellets/nurdles.

TYPES OF LINERS

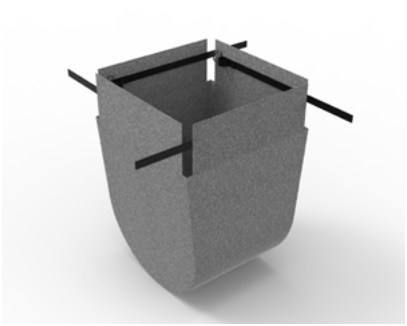
ENVIROPOD SEDIMENT LINER

Target TSS and other fine particles and gross pollutants ≥ 200 micron with an EnviroPod™ Sediment Liner.



ENVIROPOD PELLET LINER

The 1000 micron EnviroPod™ Pellet liner targets specific pollutants smaller than 5mm such as resin pellets. For manufacturing of plastic goods or other pollutants larger than 1mm. Meets Operation Clean Sweep® objectives.



ENVIROPOD GEOTEXTILE LINER

The Geotextile Construction liner can be incorporated into the LittaTrap™ basket for use during construction and establishment of building sites for temporary site works generating silt or other fine pollutants.

TrenchPod™

Compact / Modular / Retrofit or new developments

The EnviroPod™ LittaTrap™ Trench Drain combines proven stormwater treatment technology with a modular trench drain design. It is the latest innovation from EnviroPod™ and is specifically engineered to meet California State Water Board Full Trash Capture (FTC) requirements.

Designed for retrofit or new construction, the LittaTrap™ Trench Drain is compact, easy to install, and simple to maintain—making it a practical solution for municipalities, engineers, and contractors.

KEY BENEFITS:

» **FULL TRASH CAPTURE COMPLIANCE**
5mm mesh filter liner available suitable for jurisdictions adopting trash policies.

Optional liners are available for fine sediment, pellets/ nurdles or hydrocarbons. The nurdle liner helps meet Operation Clean Sweep® objectives.

» **COMPACT & MODULAR DESIGN**
Fits standard trench widths with custom units available on request.

» **EASY INSTALLATION**
Lightweight filter element with liner drops directly into trench channel. No excavation or hydraulic modifications required.

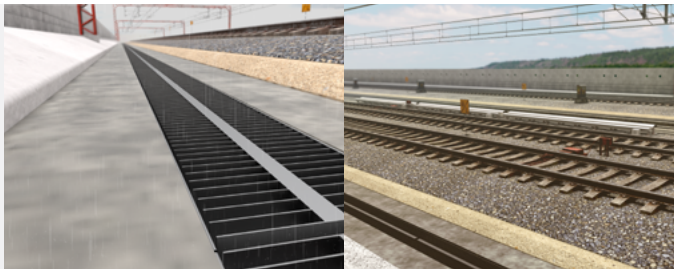
» **SIMPLE SAFE MAINTENANCE**
Inspection recommended every 6–12 months, depending on pollutant load. The filter element can be lifted out by hand or serviced using vacuum extraction. Liners and sorbent pouches are quick to replace on-site.

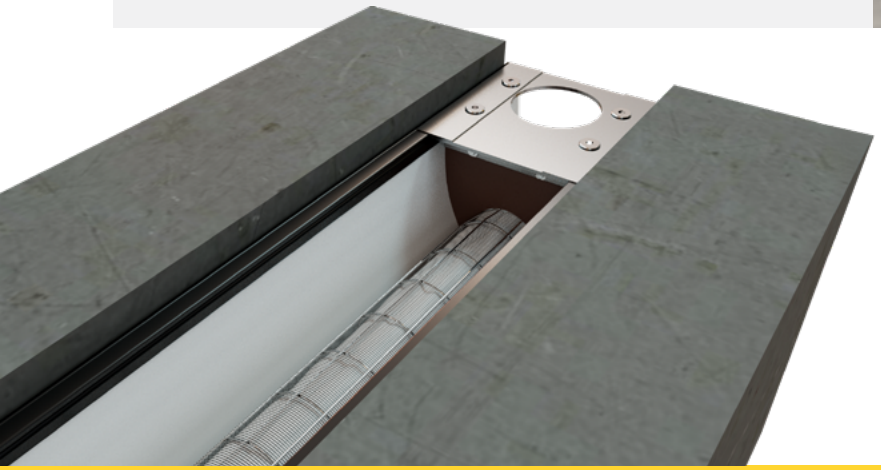
» **DURABILITY**
Constructed from stainless steel and high-strength plastics. Interchangeable liners with an 8-year limited structural warranty and hydraulically engineered

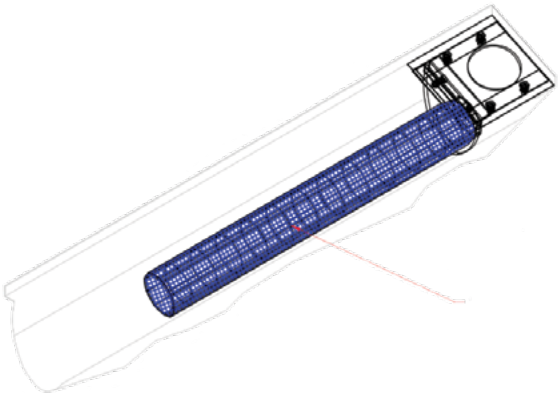
» **HIGH-FLOW BYPASS**
Maintains trench drain capacity during heavy rainfall and peak flow events.

APPLICATIONS:

» Urban plazas, commercial and industrial areas
» Maintenance yards, loading bays, and railway yards
» Roadways and footpaths







LavaSorb™

Absorbs and retains oils and oil-based liquids

LavaSorb™ is a reusable small-diameter boom that absorbs free oil and grease conveyed in stormwater runoff. Simply attach the LavaSorb™ boom onto the LittaTrap™ filter basket to absorb oils without any water.

Absorbs up to 2L. per sock.

FEATURES:

- Fibreglass mesh allows fibres to have maximum contact with hydrocarbons while being resistant to high temperatures.
- Clips at the end of each boom allow them to clip together and to the handles of the LittaTrap™.
- Absorbs and retains oils and oil-based liquids, including lubricants and fuels, without absorbing a drop of water.
- Absorbs more hydrocarbons by weight than polypropylene alternatives.
- Can be wrung out and reused, preventing waste to landfill.

APPLICATIONS:

Easily attached to catch basins and storm drain inserts to capture hydrocarbons.

SPECIFICATIONS:

Dimensions:	Ext. dia. 5.5cm x 80cm L
Absorbency per sock:	Up to 2 L.
Filler:	Basalt Fibers
Colour:	Gray
Fluid Absorbed:	Oils, Fuel, Other Oil based liquids
Skin/Outer Mesh:	Mesh – Fibreglass
Distributor Part Number:	LTOIL-SB
Sold as:	1-3 socks per LittaTrap™ basket
Weight:	200g per sock
UNSPSC:	11111609
Certifications, Approvals & Ratings:	Contact us for SDS

Flange / Vector Port

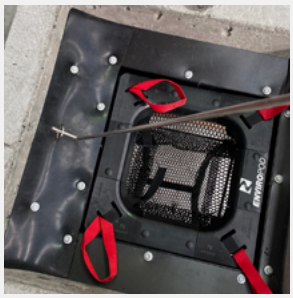
Custom Flange

Round PVC Flange

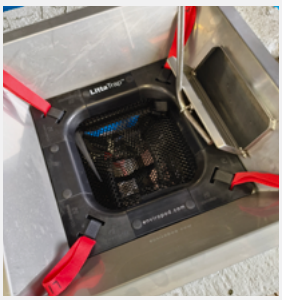
Stainless Steel Flange

The Flange diverts flows into the LittaTrap™ basket, as they act as part of the LittaTrap™ system.

Vector Port



Plastic Hinged Vector Port Seal (HVPS)



Stainless Steel Flange with Hinged Vector Port

The vector port is an approved Mosquito Vector Control (MVCAC) access hatch to control mosquitoes in the catch basin

EnviroPod Products List:

LittaTrap™	Size	SKU #
XS	300x300mm	CA-LT3030
S	450x450mm	CA-LT4545
M	600x400mm	CA-LT6040
L	600x600mm	CA-LT6060
XL	900x600mm	CA-LT9060

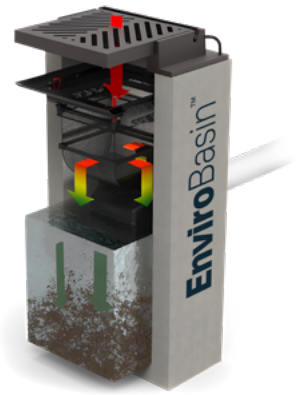
LittaTrap™ Accessories

Sediment Performance Liner	LT200L-4545 LT200L-6060 LT200L-9060
Pellet Performance Liner	LT1000L-4545 LT1000L-6060 LT1000L-9060
Construction Performance Liner	LTGEOL-450450 LTGEOL-600600
LittaTrap™ Custom Flange	CAN-FLANGE-CUSTOM
LavaSorb™ Oil Absorbent Boom	CAN-LTOIL-SB

EnviroBasin™	SKU #
Standard	CAN-EB-6060
Shallow	CAN-EB-6060-S
Combination	CAN-EB-8460CICB
Combination - Double	CAN-EB-D8460CICB
Twin	CAN-EB-14560DCB
Ditch	CAN-EB-6060DICB CAN-EB-12060DICB
Junction	CAN-EB-14560JCB
Air	CAN-EB-4646-AIR
Retrofit	CAN-EB-RF CAN-EB-RF-Kit CAN-DEB-RF-Kit

EnviroBasin™ Case Study

Southdale Road, London, Ontario



The Southdale Road and Colonel Talbot Road project in London, Ontario, was designed to improve traffic flow and infrastructure in the area. The works included road widening, additional turning lanes, new traffic lights, and improved pedestrian and cycling facilities. The project aimed to reduce congestion, improve safety, and support the region's growing population and traffic demands.

Why The EnviroBasin™?

Through detailed cost comparisons with traditional separators, engineers found that the EnviroBasin™ could replace standard catch basins while eliminating the need for an end-of-line separator, additional excavation, and pipework. This significantly reduced the overall cost of stormwater treatment for the project..

Benefits Of The EnviroBasin™ For This Site:

» Economic way to provide OGS treatment on a large arterial road.

» EnviroBasin™ removes the need for end-of-line systems since it is an at-source treatment method.

» Easy installation easy since the EnviroBasin™ comes with a quick-fit boot and installs similarly to a typical catch basin.

Treatment Solutions Utilized:

The project leveraged various EnviroBasin™ configurations tailored to its requirements:

- EnviroBasin™ 840 x 600
- Combination Inlet EnviroBasin™ Double 840 x 600
- Combination Inlet EnviroBasin™ 600 x 600 Ditch Inlet

The EnviroBasin™ has been tested to the Procedure for Laboratory Testing of Oil-Grit Separators and is ISO 14034 ETV-verified.

Target Contaminants And Maintenance:

The EnviroBasin™ solution was tailored to address specific contaminants, including Total Suspended Solids (TSS), trash, and plastic. To ensure optimal performance, regular inspections are mandated during the initial year to identify trends for site-specific maintenance requirements. Maintenance intervals for the LittaTraps™ range from every 3 to 12 months, while for the EnviroBasin™ Sump, a maintenance schedule of every 2 to 3 years is recommended.

Conclusion:

The Southdale Road project demonstrates how EnviroBasin™ can provide efficient, cost-effective at-source stormwater treatment while supporting sustainable infrastructure development.

Scan here to learn more


LittaTrap™ Case Study

Town of Bradford, Ontario

In May 2024, the Town of Bradford installed **32 LittaTrap™ units** at targeted hot spot locations to intercept pollutants directly within the stormwater network before they reached downstream infrastructure.

Over an 11-month monitoring period, two maintenance events were carried out in fall 2024 and spring 2025. During each clean out, captured material was removed, weighed, and sorted into sediment, organic matter, and litter/plastics to better understand pollutant loads.

The results were significant. The fall clean out captured **263.47 kg** of material across the network, while the spring clean out removed **511.87 kg**. In total, the 32 units captured **775.34 kg** of debris **in just 11 months nearly one tonne of material intercepted** before entering the broader stormwater system.

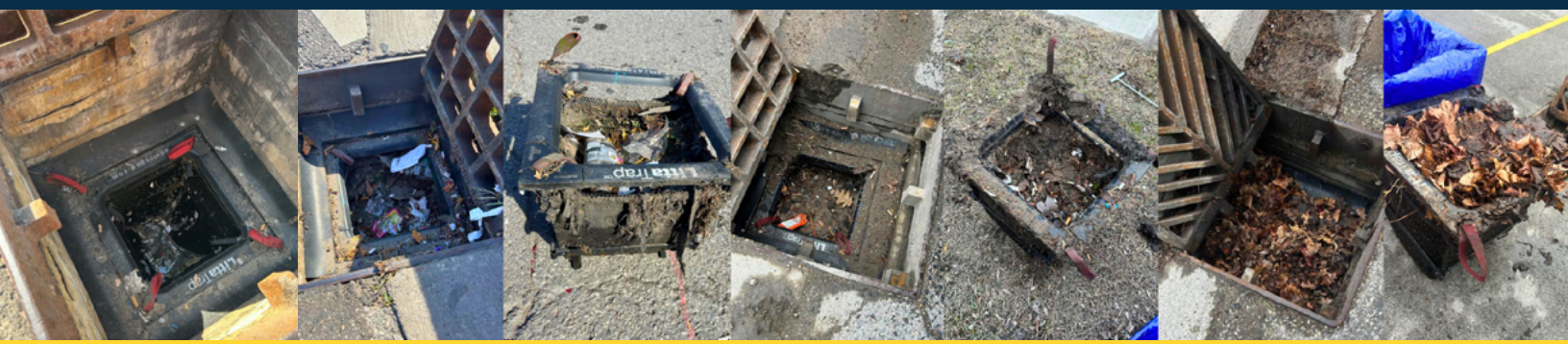
Most of the captured material was sediment, highlighting the effectiveness of at-source treatment in reducing pollutant loads that would otherwise accumulate in downstream stormwater ponds.

Following the success of the pilot, the Town of Bradford expanded the program with an additional 90 LittaTrap™ units, reinforcing the role of catch basin inserts as a practical and cost-effective first step in the stormwater treatment train.

> *"In under one year, we're approaching one tonne of material removed from our storm system. The units are performing consistently and capturing material where it enters the network."*

Kyle Rodger
Senior Stormwater Technician, Town of Bradford.

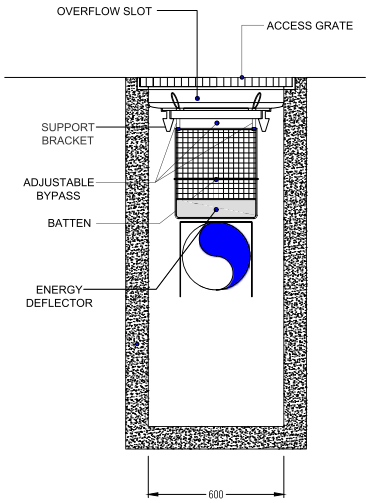
Scan here to learn more



Ready to Specify EnviroPod™?

Designed for retrofit into existing Canadian infrastructure, EnviroPod™ solutions provide practical at-source stormwater treatment aligned with LID practices and municipal water quality goals.

- Regional Compliance Support
- Lake Simcoe Phosphorous Offsetting Credits
- Pre-treatment to LID
- Meets Operation Clean Sweep® Objectives
- Retrofit and new development ready
- Maintenance-friendly
- Designed for Canadian conditions
- Supporting LID and Green Infrastructure



TECHNICAL RESOURCES

We're here to support you every step of the way. Head to our website where you'll find a wealth of resources at your fingertips:

- Case studies
- Webinar library
- Product specifications
- Independent testing results and certificates
- Installation guides

www.enviropod.com

ABOUT ENVIROPOD™

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

1996 — 2026

30 YEARS OF SMARTER STORMWATER MANAGEMENT

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

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