

*Than the heaviest component of a concrete treatment device.

NOW IN HDPE

Same technology, same performance!

The **CDS continuous deflection hydrodynamic separator** is exceptionally efficient whether it is in HDPE or concrete. It effectively controls and treats over 60%* of suspended solids, oils and floating debris from runoff water before discharge to an outlet.

Why choose HDPE CDS?



Single-piece

HDPE structure offered in single-piece compared to a traditional concrete structure which can have more than 3 pieces!

- ✓ Simplified installation; similar to a traditional concrete manhole, but in one action only!
- ✓ All-in-one structure; no assembly required on-site.



Structure 50 % lighter

The complete HDPE structure is 50% lighter than the heaviest component of a concrete treatment device.



HDPE, a durable material

HDPE is an extremely durable, effective material with a lifespan that can exceed 100 years! This material is resistant to corrosion, abrasion, de-icing salts and vibration. This material is a much better choice than concrete, thanks to its cost and low environmental footprint.

* See current local regulations.



SOLENO
Mastering Storm Water

CDS®
IN HDPE

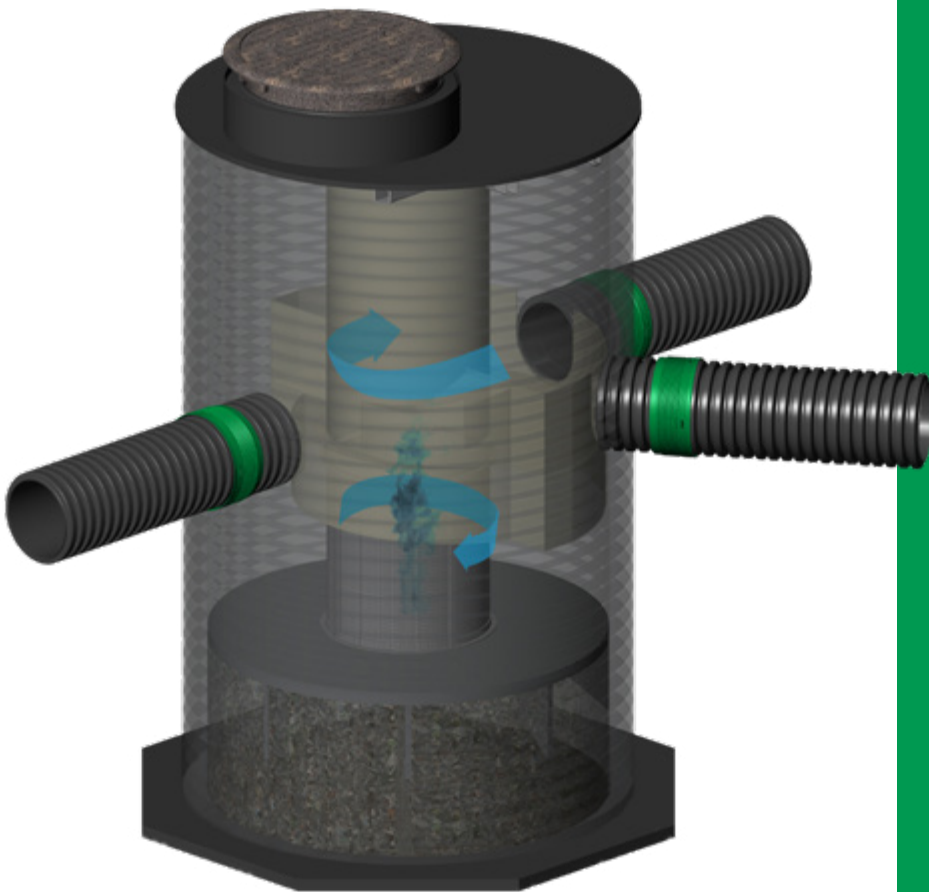
**THE MOST EFFICIENT
AND DURABLE**
hydrodynamic separator for storm sewers

solen.com

CDS[®]

Efficient technology

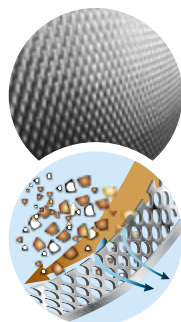
The performance of the CDS lies in the unique configuration of its **central separation cylinder**. This one creates a vortex that forces the sediment to move towards the storage sump as the floating debris are held in the centre of the separation screen. The oils are retained by the oil baffle.



Easy maintenance due to a unique screen design

Thanks to its unique profile, the continuous deflection separation screen, made of stainless steel, prevents any risk of clogging and facilitates maintenance.

Because of its configuration, the separation screen modifies the path of debris by redirecting it into the vortex, in the centre of the system.



Advantages and benefits

- + Designed for specific treatment rates, CDS provides customized solutions for each project.
- + For the same flow rate, CDS is the most compact option on the market, in diameter and height.
- + It saves money by reducing the footprint, unit size and excavation requirements.
- + It effectively removes 100% of floating and neutrally buoyant debris over 2.4 mm in diameter and recovers oil.
- + It provides a large storage capacity for oil, debris and sediment, reducing the frequency of maintenance.
- + Easy access for maintenance, no work in confined space.
- + A separate sump for sediment retention prevents the resuspension of sediments during peak flow events.

Special features

- ✓ Complete range offered from 910 mm to 3050 mm (36 in to 120 in) in diameter.
- ✓ Simple installation; like an HDPE manhole, therefore similar to a traditional concrete manhole, but in one action only!
- ✓ Designed to resist CL-625, H-25 and HS-25 loads.
- ✓ Offered exclusively by Soleno in Quebec and the Atlantic Provinces.