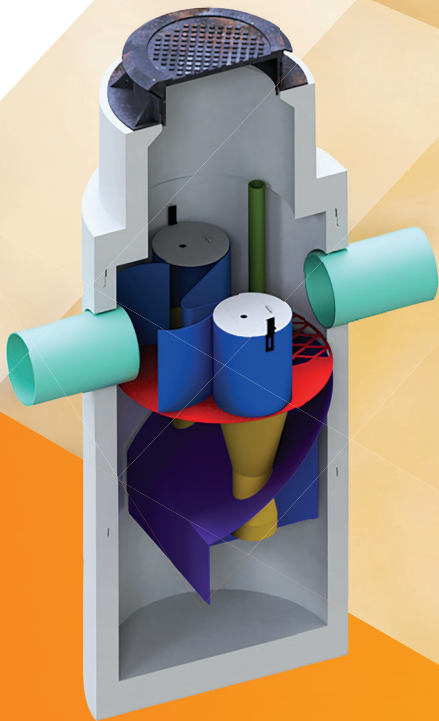




NEXT STORM

STORMWATER MANAGEMENT

DURABLE OIL-GRIT SEPARATOR FOR HEAVY-DUTY STORMWATER TREATMENT



CONTINUOUS AND SUSTAINED PERFORMANCE

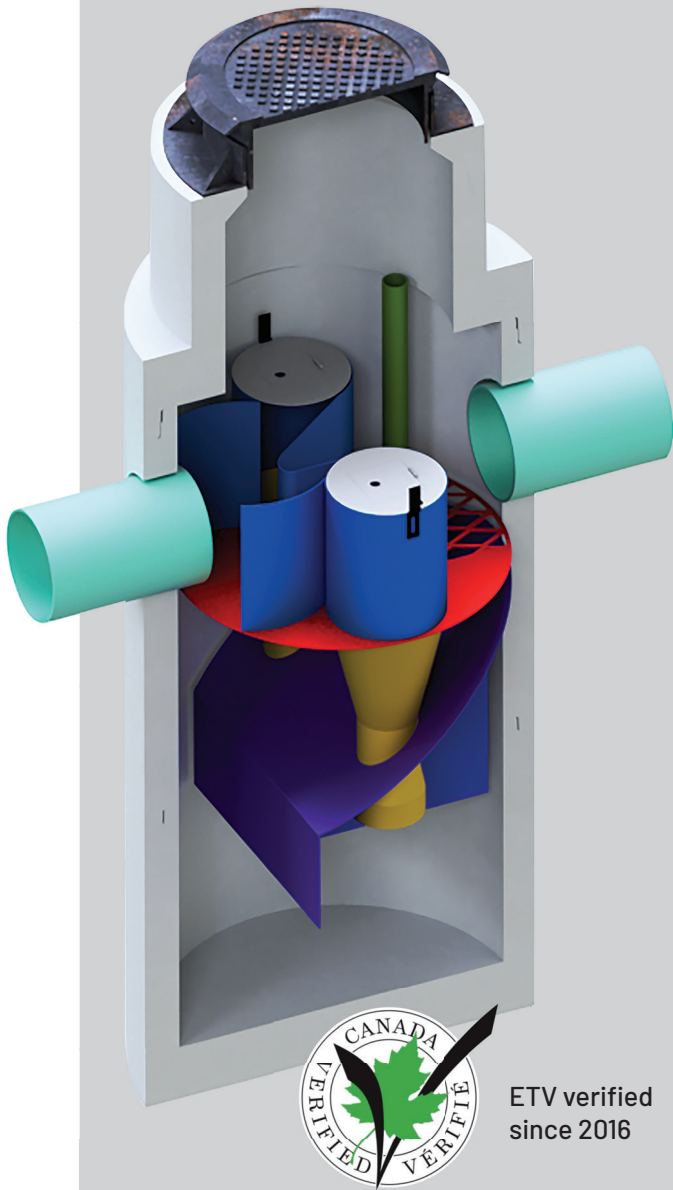
The SDD3 from Next Storm is a hydrodynamic separator that combines gravity with dual vortex forces to remove suspended solids, oils, and debris from stormwater runoff.

The SDD3 ensures optimal performance based on each project’s technical requirements. This performance is sustained regardless of rainfall intensity, without resuspension of pollutants. SDD3 was developed by NEXT Storm in collaboration with renowned researchers in the field of water treatment.

Designed for maximum performance during extreme rainfalls

5 KEY AVANTAGES

- 01. Equipped with two vortices which guarantee superior performance even under **extreme weather conditions** and high flow rates.
- 02. External reinforced concrete structure supporting a CL-625, H-25, and HS-20 load is **extremely resistant and durable**.
- 03. With a configuration similar to a standard manhole, the SDD3 system ensures **ease of installation, transportation and handling**.
- 04. **Easily cleaned and inspected** from the ground level.
- 05. The internal aluminum components (5052- H32 alloy) provide **excellent mechanical properties and corrosion resistance**.



ETV verified since 2016

INSTALLATION

Using a standard manhole configuration, SDD3 systems ensure ease of installation. SDD3 is extremely versatile and adaptable due to its multiple inlets, various connection angles, and the possibility to install pipes of different diameters at the same elevation. The system can also be installed online or offline depending on your project requirements.

INSPECTION

By conducting regular inspections, it is possible to determine whether contaminants are building up inside the unit and maintenance requirements.

Oil and sediment levels on the SDD3 can be easily checked from the various access points. Inspecting and maintaining the system ensures its optimal performance. Thus, the SDD3 was developed to facilitate inspection and cleaning operations directly at ground level.

MAINTENANCE

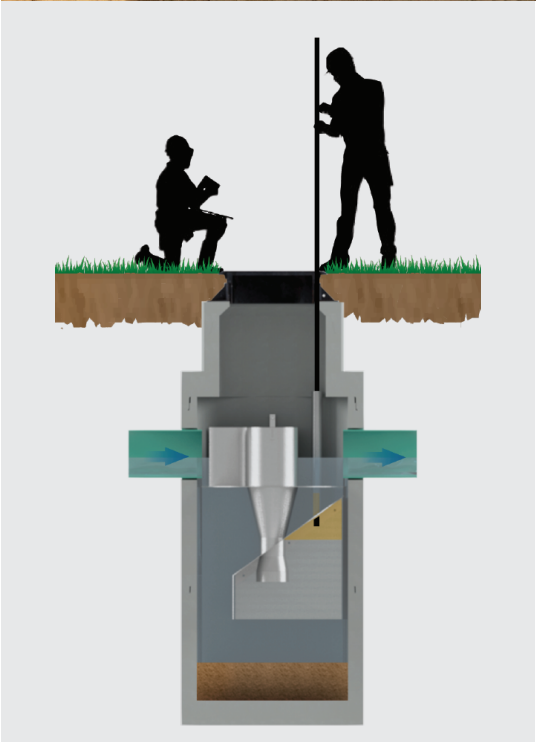
The SDD3 system has a large storage capacity which reduces the frequency of maintenance. In addition, oil cleaning can be performed separately from sediment due to independent access points, which reduces disposal costs.

SIZING AND MODEL SELECTION

With SDD3, each project can be tailored to suit its specific needs. Each SDD3 is sized in accordance with the flow rate to be treated, the quality objectives, and local regulations. For more information, please contact us.

SDD3 MODEL	SDD3 DIMENSIONS		STORAGE CAPACITY	
	Height from invert to SDD3 floor (m)	Maximum pipe diameter (mm)	Sediments (m ³)	Oils (m ³)
900	1.39	375	0.51	0.12
1200	1.74	600	0.98	0.28
1600	2.09	750	1.77	0.65
1800	2.36	900	2.66	0.98
2 100	2.79	900	3.94	1.55
2 400	3.15	1050	6.54	2.33
3 000	3.69	1050	9.84	4.54
3 200	3.69	1050	11.69	4.54
3 600	3.69	1050	13.24	7.87
4 000	3.97	1050	16.11	7.87

From BC to the Maritimes, the SDD3 is the product of choice when it comes to hydrodynamic oil and grit separators.





NEXT STORM

SMART STORMWATER MANAGEMENT SOLUTIONS

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100 YEARS
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