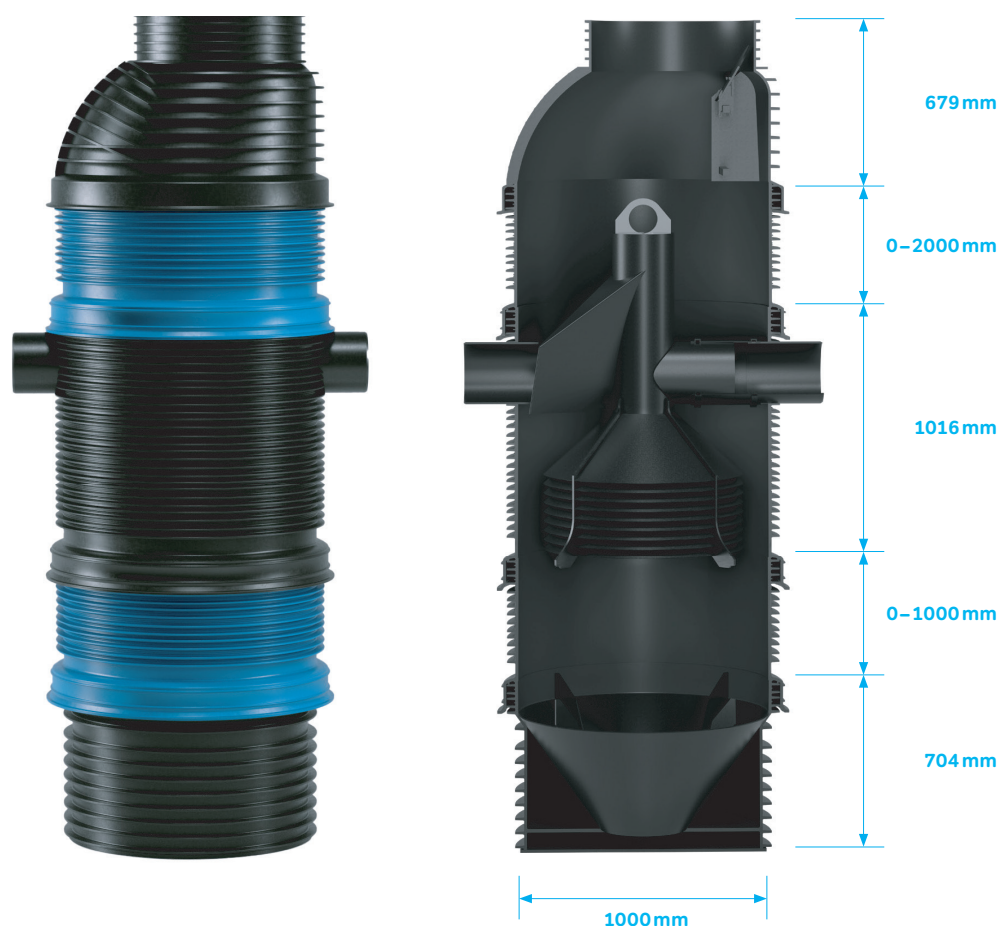


Wavin Certaro Lamella HDS Proprietary Treatment Device

Product overview

Wavin's Certaro Lamella HDS is a unique, high-performance proprietary treatment device which uses a combination of hydrodynamic separation and lamella-based settling to remove sediment from stormwater runoff. The system can be prefabricated in modular form or built into a pre-cast concrete chamber to meet project specific requirements. A riser shaft can be added to match the invert level of the connecting pipes. The base can be extended with a riser shaft to increase the sludge sump volume and prolong the maintenance interval. The sump is easily accessible for cleaning through the center pipe, and the conical bottom allows for efficient maintenance.

The Certaro Lamella HDS is made from recycled PCP (post-consumer plastic) polyethylene and together with its small footprint and durability, it minimises emissions at all stages of its lifecycle. The sediment chamber is the optimal solution for high sediment retention rates, while taking limited space.



Technical Specification	
Manhole outside / inside diameter [mm]	1180 / 1000
Min. / Max. Height [mm]	2400 / 5400
Weight Recycled PE chamber shaft [kg]	100
Weight Bottom (nominal weight) [kg]	76
Weight Lamella cone (nominal weight) [kg]	43
Weight of riser per 500mm length (nominal weight) [kg]	42
Sludge trap volume [l] (min / max / recommended based on 500 mm riser)	320 / 1120 / 720
Floatables retention volume [l]	170
Inlet / outlet diameter [mm]	250 / 250
Min. / Max. invert depth [m] *	1.1 – 3.1
Min. / Max. installation depth [m] *	2.4 – 5.4
Design run-off area (based on DWA-A102) [m ²]	1000 – 6000
Filter performance with design run-off area, TSS	Available upon request
Treatment capacity flow rate, l/s	Available upon request
Hydraulic capacity flow rate, l/s	Available upon request
Bypass optional, commencing at flow rate [l/s]	20 / 40
Loading	Acc. cover solution, product unloaded
General Material	Recycled PE
Colour	Black
Testing	According to DWA-A 102 by IKT

* excluding additional depth for cover solution