


ViaCon Vortex separators



Our Advanced Hydrodynamic Separation (HDS) units provide certainty of water quality treatment in SuDS treatment trains. Permanently removing contaminants and floatables from the environment through sediment retention and multi-treatment water purification.

EASY INTEGRATION

Our patented design is tested to NJDEP 2021 & DiBT and makes installation and connection easy into a wide variety of chambers, including steel, concrete, PE and GRP. The TVS connects seamlessly to structural wall drainage pipes commonly used in the UK, and larger pipe connection sizes are ideal where higher peak flows are anticipated.

Factory-fitted in a ViaCon prefabricated manhole c/w-approved lifting ring for safe and easy installation.

EASY MAINTENANCE

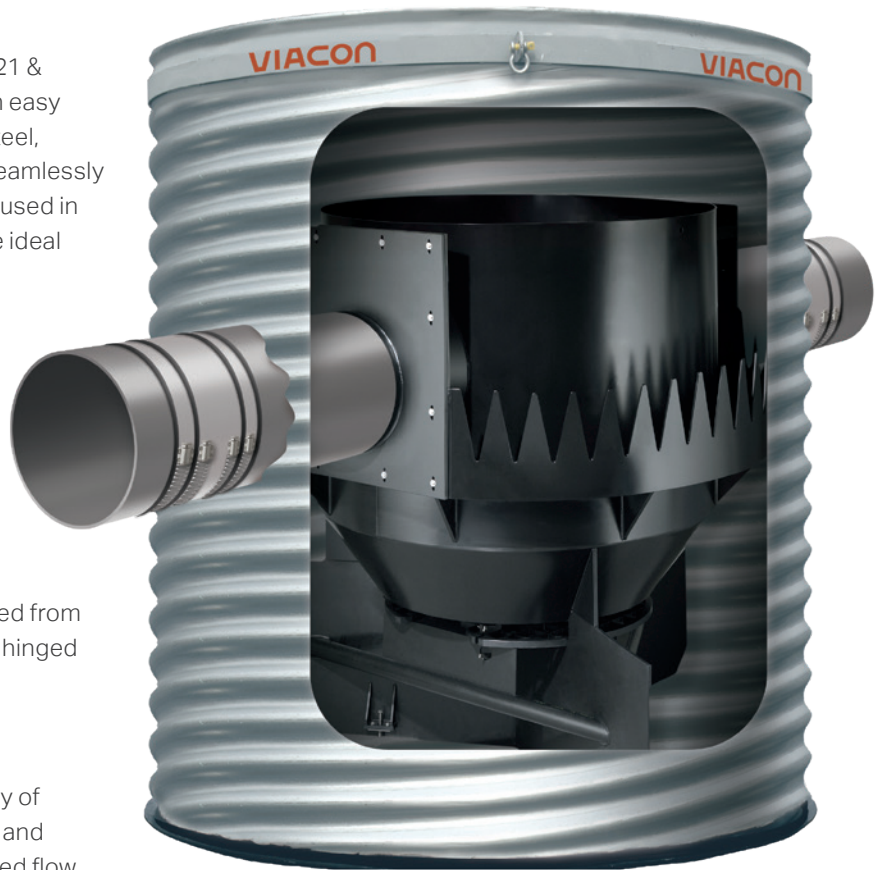
Maintained using conventional equipment, floatables are retained and easily removed from water surface layer whilst settled solids and sludge are prevented from remobilisation and can be accessed via the hinged platform.

OPTIMISED FLOW

A distributed upward flow ensures uniformity of the flow pathway, even at high design flows, and the toothed weir provides balanced optimised flow pathways. The inlet deflector plate induces the vortex and level inverters ensure there is no head loss.

TESTED TO HIGH STANDARDS

Treatment flow rates are based on USA NJDEP, the recognised standard for solids separation in stormwater, and our units also satisfy the high sediment removal rate required for DiBT.



Grill floor can be raised



Adjustable foot



Inlet deflector plate

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