



# ELIQUO | HYDROK

## SUDScreen™

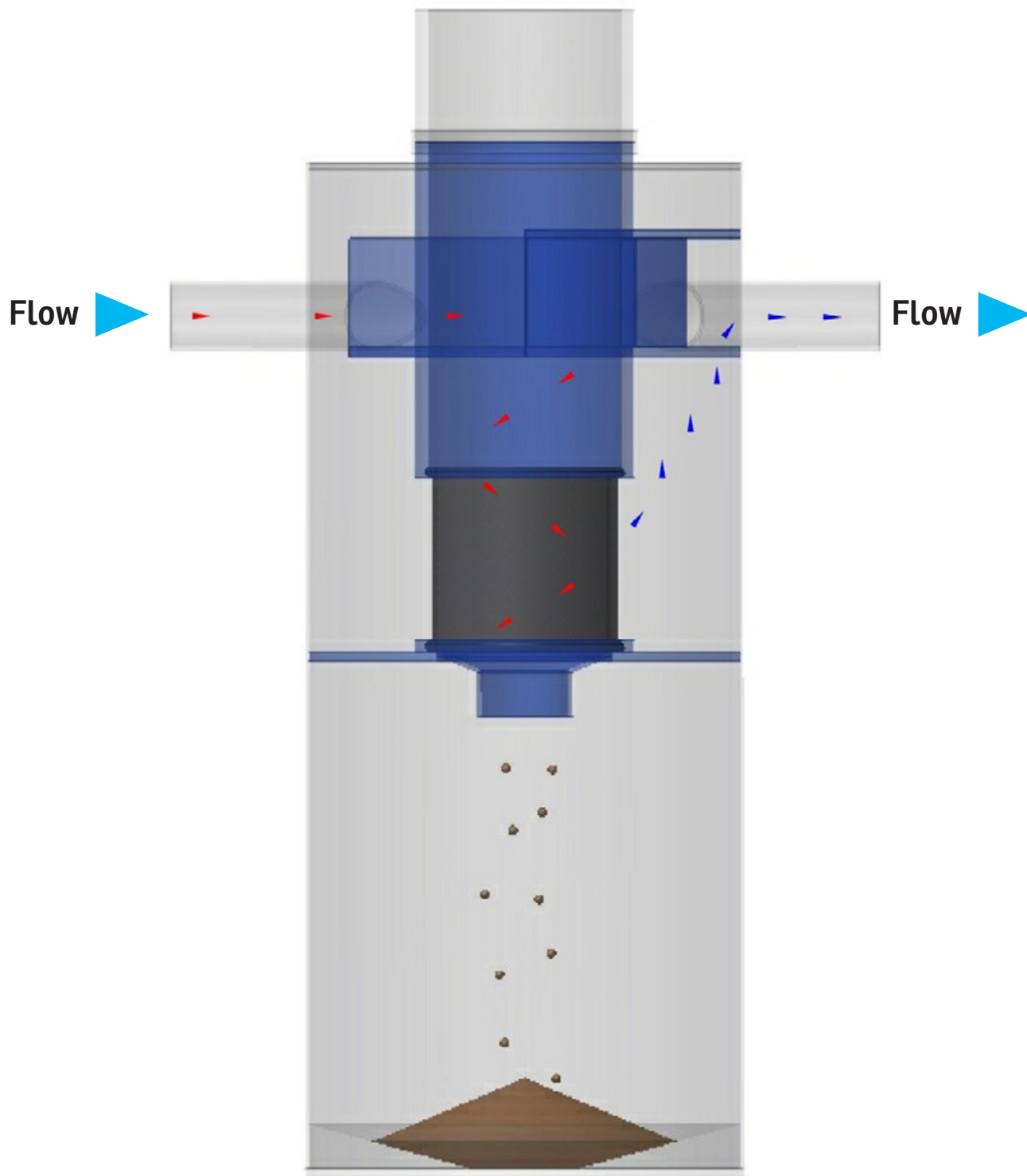
*Surface water screening and separation*



# SUDScreen

THE DOWNSTREAM WATER COURSES MAY BE PROTECTED BY INSTALLING A SUDSCREEN UNIT. WHEN INSTALLED UPSTREAM OF ANY SUDS SYSTEM, THE SUDSCREEN UNIT PROTECTS THE RECEIVING SYSTEM FROM FINE SOLIDS AND DEBRIS THAT WOULD OTHERWISE ACCUMULATE OVERTIME, RENDERING THE SUDS NONOPERATIONAL.

THE ELIQUO HYDROK SUDSCREEN SEPARATION AND SCREENING TECHNOLOGY PRODUCES A NONBLOCKING SCREEN THAT RETAINS HARMFUL DEBRIS SAFELY.





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## OPERATING PRINCIPLE

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The **SUDScreen** technology offers a highly efficient separation of settleable solids and capture of floatable material from storm water entering a **SUDS** storage system. The addition of the **SUDScreen** provides protection of the receiving water course from exposure to pollutants, protection of the storage system from sedimentation and protection of the **Hydroslide** flow control device from potential debris blockage.

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## HOW IT WORKS

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Water and pollutants enter the system and are introduced tangentially inside the vortex separation chamber forming a circular flow motion. Floatables and suspended solids are diverted to the slow moving centre of the flow. Negatively buoyant solids settle out to an undisturbed sump chamber below. The water flow passes concurrently through the separation screen mounted above the vortex chamber. Floatables remain within the central scum board at the water surface and are retained within the screen.

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## ADVANTAGES AND BENEFITS

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Effectively captures more than 95 % of solid pollutants

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Rapid Installation: Comes in self contained manhole that has BBA approval. Just connect inlet and outlet.

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The unique non-blocking design takes advantage of indirect filtration and properly proportioned hydraulic forces making the unit virtually unblockable.

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The unit has no moving parts and is fabricated of durable materials and therefore has very low maintenance costs.


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The technology remains highly effective across a broad spectrum of flow ranges.

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All materials captured are retained during high flow conditions. Neutrally buoyant particles are captured which can contain high levels of phosphates, heavy metals and hydrocarbons.

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A non blocking, self contained durable unit with no moving parts for rapid installation.

Version 001

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