



Storm Screen Type SAS

The BIOGEST® Storm Screen ensures high performance screening during periods of heavy rainfall. The solid retention system is installed at overflow weirs and can easily be retrofitted in existing structures.

The system retains floating matter and sediments efficiently and protects the environment from pollution.

Functionality

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The system can be adapted to suit site-specific applications and project requirements. Applications are all combined and stormwater overflow buildings.

The BIOGEST® Storm Screen Type SAS is installed at the overflow weir before the weir. The storm water flows through the screen vertically from bottom to top, while the floating and suspended matter will be efficiently retained.

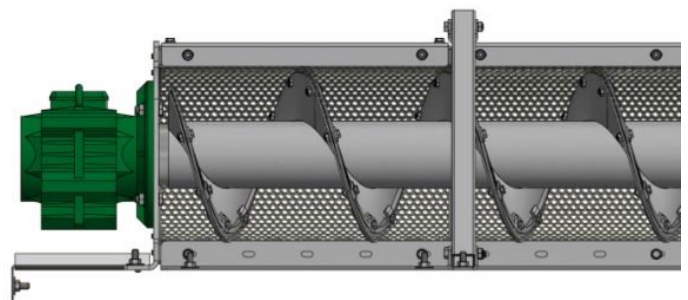
It consists of a perforated semicircle filtering basket, with holes of 6 mm diameter, a rotating screw conveyor and a zone of calm for the discharge of the collected screenings.

It is kept clean by a rotating screw conveyor. The screened water flows over the overflow weir and can be released toward the forwarding water flow.



Technical data

Screen basket diameter	mm	300-1.000
Flow rate	l / s	bis 10.000
Screen basket length	mm	- 10.000
Max. frame width	mm	400 - 1.200
Opening size	mm	6 (5 - 8 possible)
Power	kW	1,1 - 4



The advantages

- ◆ Ideal solid retention by means of two-dimensional screening
- ◆ Forwarding of extracted screening material to the WWTP
- ◆ Efficient and continuous automatic cleaning of screen surface
- ◆ Easy retrofitting through existing manhole and on existing overflow weirs
- ◆ Fully automatic operation by the integrated control and monitoring of the water level
- ◆ Robust stainless-steel construction with minimal maintenance
- ◆ Screen basket size from DN 300 to DN 1000
- ◆ Capacity up to 10 m³/sec
- ◆ Performance 6 mm (other sizes on request)