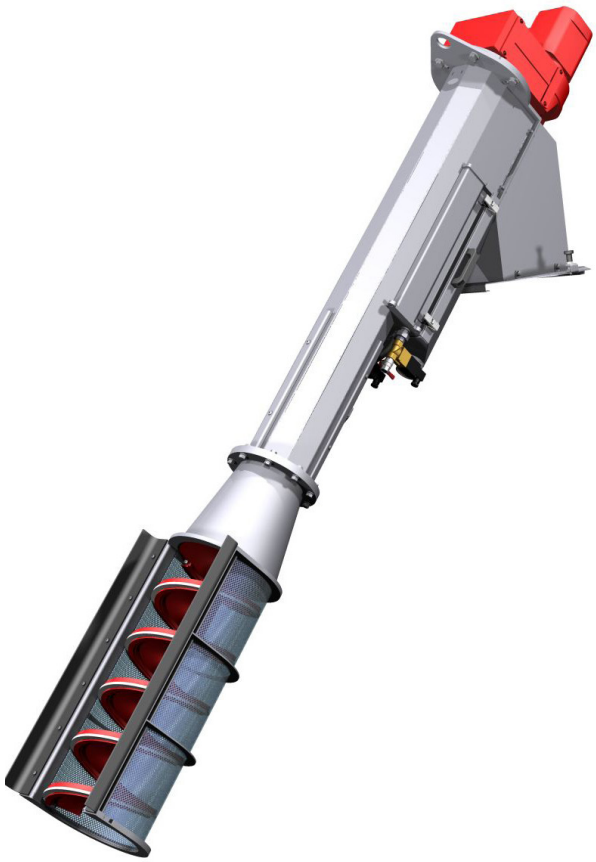
MEVA
by Nordic Water

MCS

Meva Channel Sieve in Stainless Steel



Main areas of use and features

- Compact unit for smaller WWTP
- Separation, washing, pressing and shredding - all in one unit
- Fully capsulated design
- Screenings DS up to 45%
- Organics washed from screenings
- Washing and flushing without nozzles

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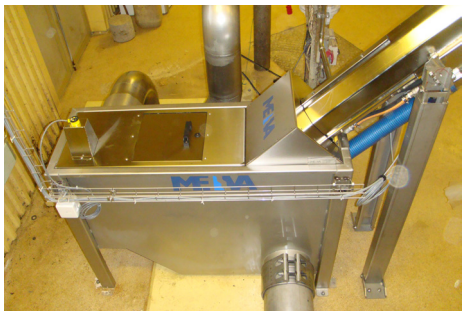
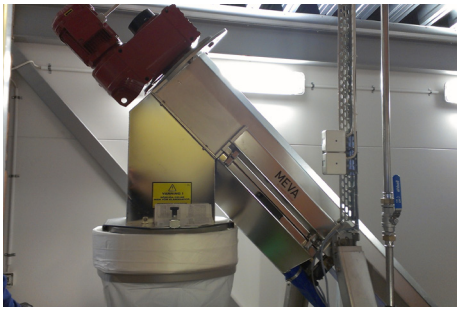
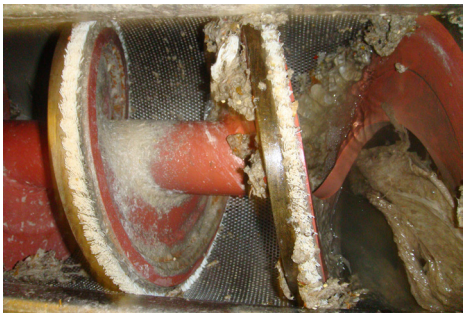
MCS MEVA CHANNEL SIEVE

Application

Meva Channel Sieve is a compact and simple solution for screenings separation and handling at a waste water treatment plant or industry. Meva MCS combines separation, washing and pressing in one unit. The screenings are shredded into pieces at the discharge in order to eliminate large compact screenings that can cause problems at incineration.







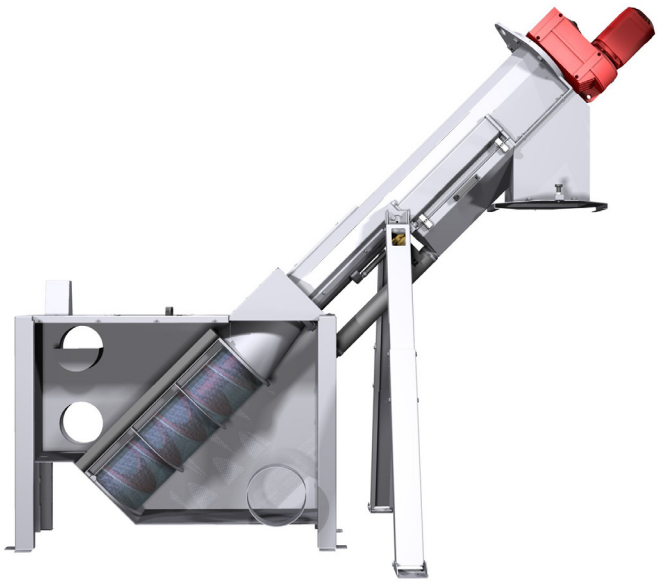
Function

Waste water is screened through the lower separating part of the unit inside a channel or a tank. The separation can be done with a perforated plate or a wedge wire. The sieving element is shaped as a trough in which a spiral with a smaller diameter transports the separated screenings out of the water.

The spiral is fitted with a brush inside the sieving trough to prevent clogging.

From the sieving trough the unit transforms to a shafted spiral fully capsulated in octagonally bent stainless steel. This contributes to a good working environment and the octagonal form gives a good transport capability. The screenings is washed in the screw and transported to the discharge. The water used to wash the organics from the screenings is added in the opposite direction to the spiral movement.

The screenings are pressed to a DS of up to 45% before the discharge and is then shredded into smaller pieces. In the press zone a large amount of water is removed. With effective flushing without spray nozzles the Meva Channel Sieve requires a minimum of maintenance.



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Nordic Water Products AB, Sisjö Kullegata 6, SE-421 32 Västra Frölunda, SWEDEN
Tel: +46 31 748 54 00, fax: +46 31 748 54 10. E-mail: info@nordicwater.com. www.nordicwater.com

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