

# CPS

## Counter Pressure Screw in Stainless Steel



### Main areas of use and features

- Superior dewatering
- Major volume and weight reduction
- Shredded screenings
- SWP + CPS achieves DS contents of 50-60%
- Decreased disposal costs
- Patented
- High finish guarantees a long lifetime

# CPS COUNTER PRESSURE SCREW

## Area of use

The combination of Meva Screw Wash Press and Meva Counter Pressure Screw results in a product optimal for incineration. The result is a product with DS content of 50-60%, shredded screenings and a superior washing effect. It gives 50% less screenings compared to washpress with a traditional pipe system.

## Function

Meva CPS is connected to the SWP by a pipe bend. The CPS creates a counter pressure during the working cycle of the SWP, which is continuously adjusted and maintained to maximize the results of the SWP regardless of the circumstances.

The pressure increases as the SWP pushes screenings toward the outlet, which is blocked by the CPS, until the current consumption of the SWP reaches its preset value. The SWP stops and the CPS starts, cutting off and transporting a part of the screenings to the discharge. In this way, the pressure is continuously adjusted and maintained resulting in a maximum DS content.

The high counter pressure also ensures a long retention time in the press zone, which provides a superior washing effect.

At the discharge of the CPS the material is shredded, making it optimal for incineration. The CPS also works as a conveyor enabling long vertical conveying distances.



# Why intensive washing and pressing?

In many countries depositing of screenings with high organic content is prohibited or connected with high cost. This will lead to demands of high DS content and screenings with high cleanliness. With Meva CPS the volume and weight reduction of screenings is significant, which leads to decreased disposal costs.

## Meva Counter Pressure Screw CPS:

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Meva CPS with Longofill equipment for improved hygiene



Screenings before washing



Meva Counter Pressure Screw CPS with longofill



End product: washed, pressed and shredded screenings

# NORDICWATER

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