

Here is your macerating solution: Range MC

In addition to industrial and municipal wastewater applications, seepex macerators are used in a variety of industries. They grind solid and fibrous components in the conveying medium. They increase reliability and life of both seepex pumps and process devices like centrifuges and belt filter presses.

The degree of particle size reduction can vary depending on flow rate, output speed and shear plate design. These parameters can be adapted to suit individual applications.

The user friendly design simplifies maintenance: enables easy adjustment of the knife head clearance and complete replacement of the cutting knives and shear plate simply without the need of lifting equipment or removing the complete cutter head and drive.

Applications

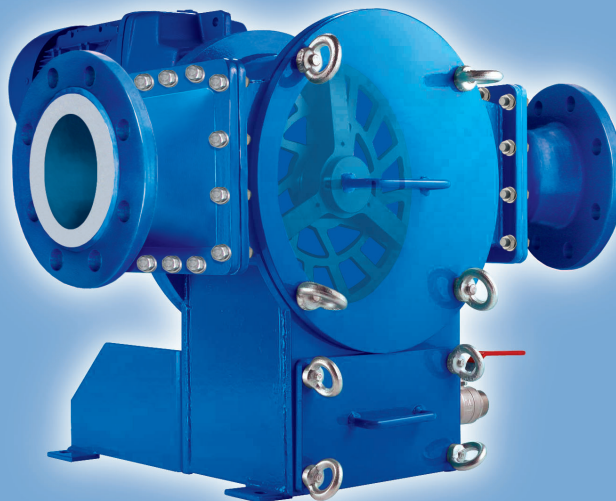
Municipal and industrial wastewater treatment, pulp and paper industry, food industry, agriculture and many more

Viscosities

Thin to high viscous products with solids

Features

- Easy adjustment of knife head
- Worn knives can be simply rotated 90° and be reused 4 times
- Reduced maintenance costs
- Low power consumption due to unique cutting principle
- Integral solids separator allows heavy solids to drop out of product flow
- Direction of flow can be changed by simply changing the connection flanges around

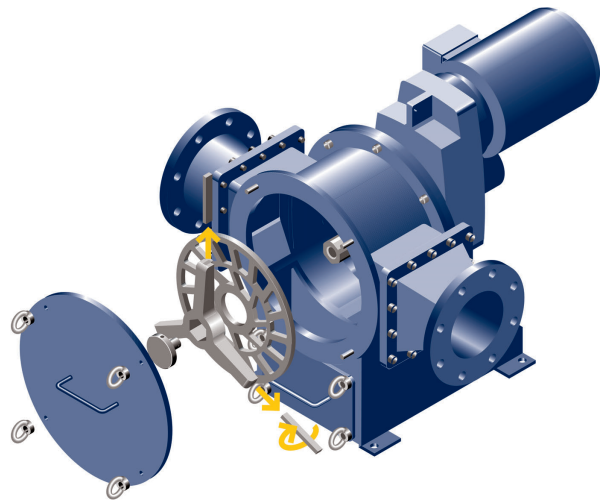


Working principle

The seepex MC range incorporates a knife head that rotates on a stationary shear plate and macerates solids entrained in the conveyed product.

Low operating power is optimized by the low operating speed and the cutting and not tearing action. The combination of these additionally improves the performance and reliability.

An auto reverse control in the event of jamming of knife head and various shear plate designs to optimize particle size reduction are optionally available.



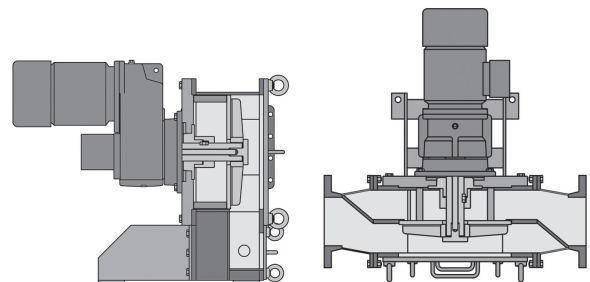
seepex range MC with vertical shear plate and knife head. Worn knives can be simply rotated 90° and be used 4 times.

Design

The vertical installation of the shear plate and knife head on a horizontal drive shaft enables a unique integral solids separator to be fitted within the casing. This allows heavy solids to drop out of the flow prior to maceration.

At ~5% solids, the size 50 is suitable for flow rates up to 50 m³/h (132 GPM) and the size 160 can handle flows to 160 m³/h (660 GPM).

Design I, inline design



Side view

Top view

And what can we get flowing for you? Your nearest contact: