DATASHEET

ClearFox® be clever

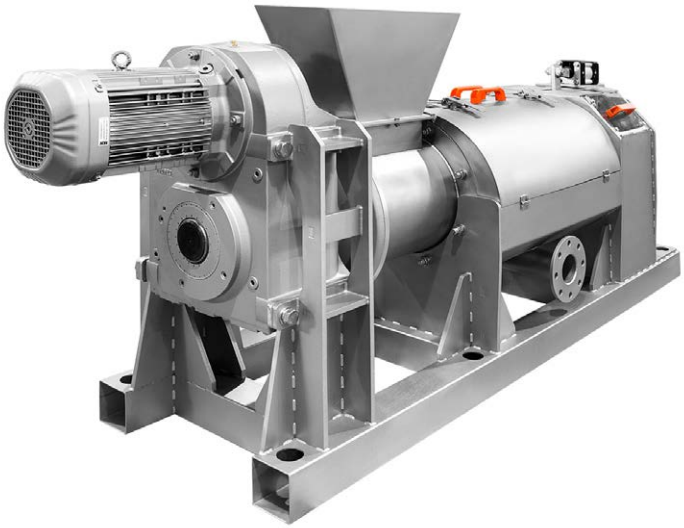
Screw Separator

Efficiency and Reliability in Liquid Filtration

clearfox.com

The advantages of the ClearFox® Screw Separator

- Low energy consumption
- Easy assembly and operation
- Compact design
- High quality workmanship



MP-SS Screw Separator

The MP-SS Screw Separator is designed for high-efficiency separation of solids from liquids, embodying innovation and reliability.

Product description

The MP-SS Screw Separator stands at the forefront of solid-liquid separation technology. Designed with precision, it effectively separates solids from liquids in various industrial processes. At its core is a rotating screw, enveloped by a wedge filter, creating an efficient and reliable separation mechanism.

As materials enter the separator, the solids are meticulously dewatered and subsequently pressed. This process ensures that the solids are thoroughly separated, falling at the end of the screw, while the liquid part permeates through the wedge filter into a drip tray.

Its design, which integrates high-grade stainless steel AISI304 and a robust SEW front transmission gearbox, ensures durability and a long-lasting performance.
To meet the varied needs of different industries, the MP-SS Screw Separator offers customization in wedge filter gaps, tailored to suit the type and consistency of the liquid medium.

Some Fields of Applications

- Agriculture (hog manure)
- Recycling of plastics, paper
- Fruit and vegetable processing
- Primary sludges
- All kind of pressable mixtures

PPU Umwelttechnik GmbH T +49 (0) 921 1511 020-0 info@clearfox.com

PPU water systems

Key Benefits

- Low energy consumption, minimum operating costs
- Easy assembly and operation
- Compact design – small built-up area
- Optional size of wedge filter gaps
- Applicable in a wide scope of industrial applications
- Training and maintenance support
- High quality workmanship

MP-SS & MP-DW Difference

The dewatering/separation process in the Screw Separator operates without the need for flocculants, relying on mechanical force to press water out of solids. This makes it suitable for sludges that can be pressed, organic sludges, or situations where flocculants are not used, which could pose challenges for dewatering with MP-DW.

Parameters

Modell	Capacity [kg DS/h]	Hydraulic Flow [m³/h]	Power [kW]	Dimensions [L × W × H mm]	Weight [kg]
MP-SS-200	120	2.5	2.2	1900 × 600 × 700	320
MP-SS-300	300	6.0	4.0	2300 × 700 × 1100	640
MP-SS-400	530	11.0	4.0	3100 × 700 × 1100	850
MP-SS-500	830	17.5	5.5	3400 × 900 × 1300	990

PPU Umwelttechnik GmbH
Carl-Kolb-Str. 6
95448 Bayreuth
clearfox.com
ppu-umwelttechnik.de