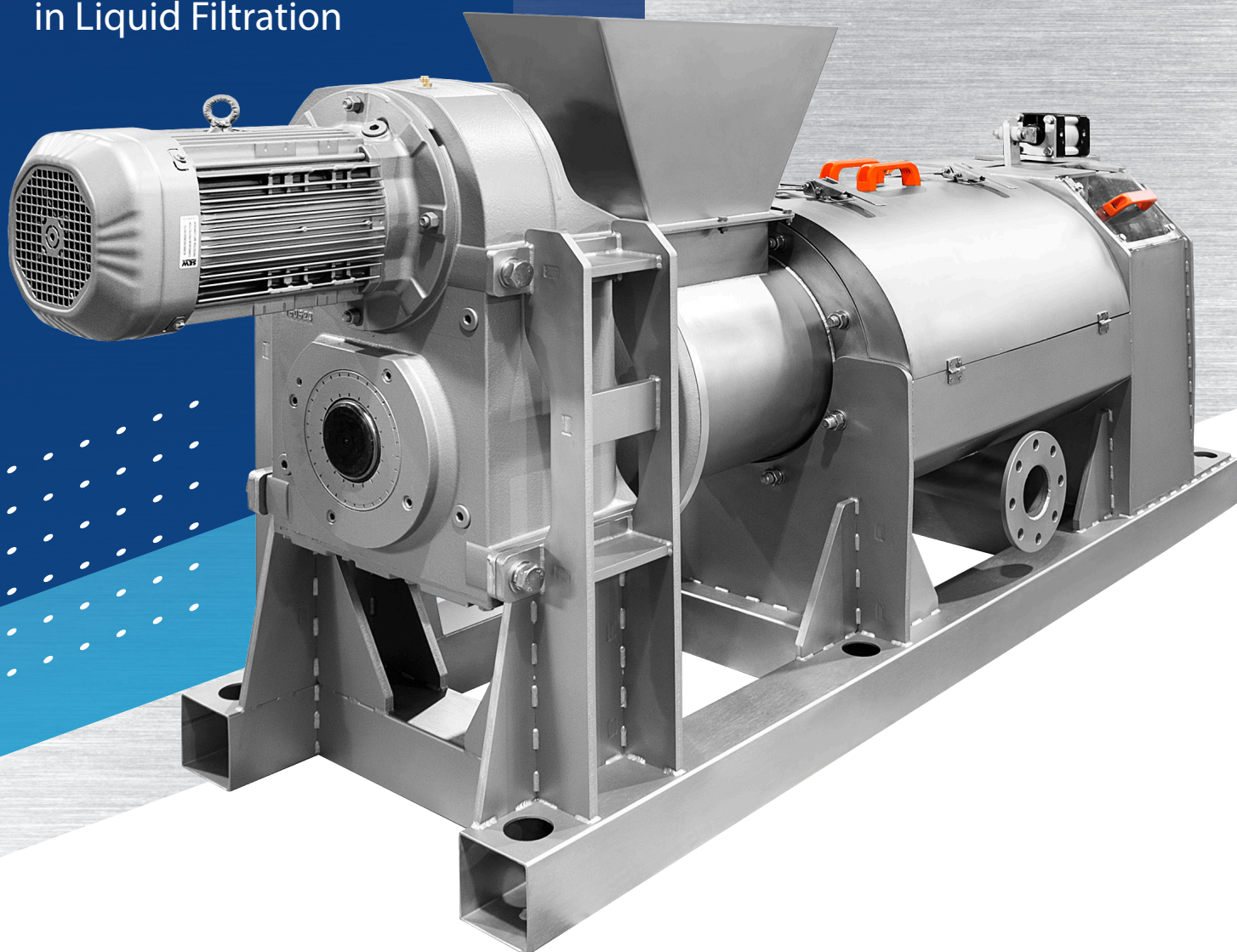


# Screw Separator

Efficiency  
and Reliability  
in Liquid Filtration



Catalogue  
sheet

**MIVALT**



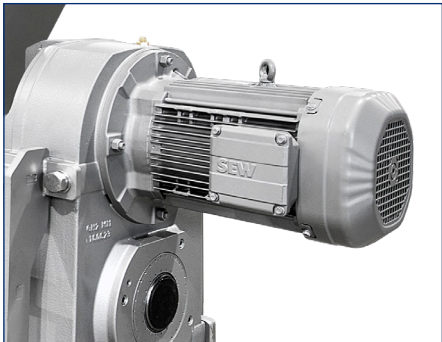
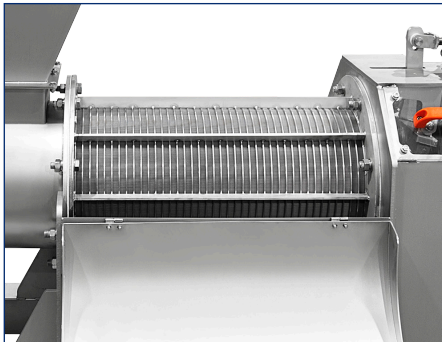
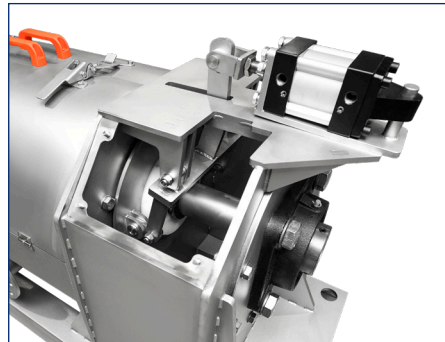
# MP-SS Screw Separator

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. 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

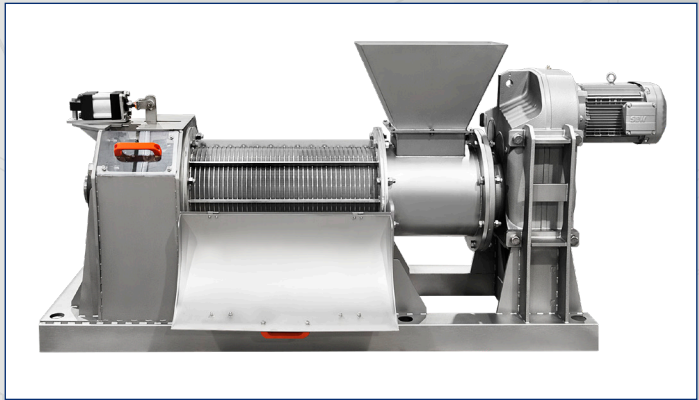
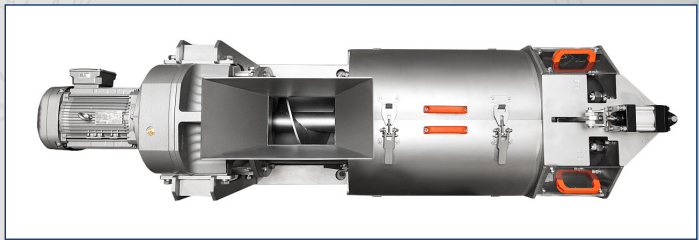
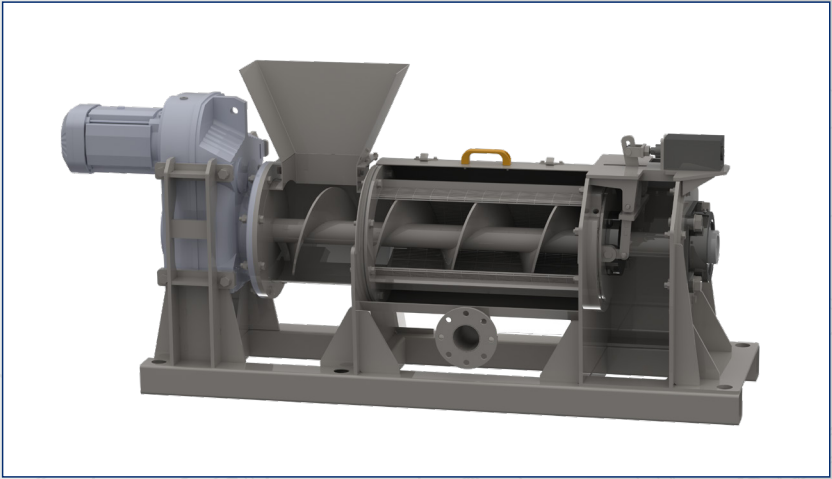
## Key Benefits

- 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 – produced in Czech Republic

## 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

Model	Capacity [kg DS/h]	Power [kW]	Hydraulic Flow [m³/h]	Weight [kg]	Dimension [mm]		
					L	W	H
MP-SS-200	120	2,2	2,5	320	1900	600	700
MP-SS-300	300	4	6,0	640	2300	700	1100
MP-SS-400	530	4	11,0	1100	3100	700	1100
MP-SS-500	830	5.5	17,5	1600	3400	900	1300

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