

# FAN PSS screw press separator



- More than 30 years of experience
- High-efficiency vibration motor
- Low energy consumption
- High reliability

The FAN PSS screw press is a robust and efficient solution for the separation of solid and liquid components from manure, digestate or industrial wastewater. The installation can process both thick and thin manure flows and delivers an adjustable solid fraction of 25% – 60% dry matter, depending on the application. In the inlet section, a patented oscillator creates a vibration in the liquid, which significantly increases the capacity and separation efficiency. The hard-coated stainless steel screw transports the material through the screen housing, where the solid particles are separated and further dewatered by the double outlet valve with adjustable weights.

In the cast steel housing, the stainless steel filter is suspended in a floating position. This allows it to move along with the stainless steel screw, preventing the filter from clogging. The screw is additionally welded and hardened at wear points, resulting in a long service life. The PSS series is available in various versions, with capacities of approximately 40 to 75 m<sup>3</sup>/hour. Thanks to the durable stainless steel construction, the press remains reliable for a long time, even under intensive use. The FAN PSS offers a low-maintenance, energy-efficient, and sustainable method for manure separation.



## Technical specifications

| Type        | Power     | Capacity (m3/hour) * |
|-------------|-----------|----------------------|
| PSS 1.2-520 | 4,0       | 40                   |
| PSS 1.2-780 | 5,5 - 7,5 | 60                   |
| PSS 3.2-520 | 5,5       | 50                   |
| PSS 3.2-780 | 5,5 - 7,5 | 75                   |

*\*Refers to the maximum capacity based on water. The actual capacity is highly dependent on the product to be separated, the consistency of the feed, and the screen opening.*



## Plug & Play

Slootsmid also delivers a complete Plug & Play installation. This consists, among other things, of a chassis, supply and discharge pump, a filling system for the separators, A FAN screw press separator, drive, and control cabinet.

Please inquire without obligation about a suitable installation for your company.



## Versions

- Stationary setup
- Various Plug & Play setups
- Mobile, from 1 to 12 screw presses

