

Manure separators



- Stationary and mobile configuration
- Thick fraction as box filling
- Manure volume reduction of up to 25%
- Lower storage and transport costs

Sootsmid has been developing and manufacturing both fixed and mobile manure separation installations for domestic and international customers for over 15 years. These installations are used by livestock farmers and manure processors to separate manure into a thick and thin fraction. Several benefits can be achieved through manure separation, such as the use of dry manure as box bedding and saving on manure disposal costs. At the heart of every Sootsmid manure separator is one or more FAN Profi separators.

The manure passes through a cylindrical screen basket fitted with a heavy-duty stainless steel screw to move the manure. Through pressure and filtration, solids in the manure are compressed. By means of an adjustable back pressure, the thick fraction is then separated and collected.



FAN Profi Separator

The FAN separator was developed in the United States more than 30 years ago and has proven suitable for continuous use in agricultural, industrial and wastewater treatment applications, among others. The FAN Profi Separator's standard features include a vibration motor, discharge outlet and isolation mounted filter. These unique features give the FAN separator high efficiency at low power consumption, resulting in favourable operating costs. The capacity depends on the product being sieved and the sieve mesh size.



Manure separator fixed installation

Slootsmid can custom-install the FAN separator at a location of your choosing. A commonly chosen location is mounting on silo walls, for free fall of the thick fraction. There is then also ample, adequately robust storage for the thick fraction. Other common variants are to have the separator mounted on a custom-made platform in the barn or on a steel frame with fork pockets, making it easy to move. All manure separators are fitted as standard with a switch box with automatic switch-on, thermal overload protection, adjustable timer, hour meter and run-dry protection for the pump. These safety features allow the manure separator to operate safely even without supervision.



Mobile slurry separator

Exceptional features of these installations are the high capacity and the ability to separate manure at different locations. The installation consists of a chassis on which a feed pump and discharge pump for blended manure are mounted, optionally with a Slootsmid cutting filter. Depending on the required capacity, the manure separator is fitted with 1 to 12 separators. In addition, the construction is suitable for a discharge auger with sufficient capacity and reach to fill trucks. A generator for independent operation as well as a control box for the drive and operation of the pumps and auger complete the installation.

These installations can be fully customised. Please contact us to learn more.