



ERSTA

MANURE MANAGEMENT

All cows need good hygiene
for healthy development and life

Removing manure

Cleaner stable

The complete product line

All cows need good hygiene for healthy development and life.

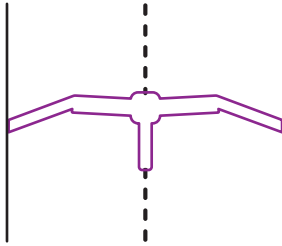
Barn cleanness is as significant for the health and fitness of dairy cows as a suitable microclimate or light, and it has a direct effect on total milk production.

If a cow walks in excrement all day, its hoof health deteriorates, negatively impacting its walking comfort and draining its strength and energy to access the milking robot. That increases the danger of udder infection, leading to a vicious circle.

A tidy farm and clean surroundings are a credit to any good manager, but there is often no time to clean up in the bustle of daily life. Things you don't do today will snowball by tomorrow, taking up twice as much time. That's why automating **manure management** is a good call. And we will help you.



MANURE REMOVAL SYSTEMS AND EQUIPMENT FOR HANDLING LIQUID MANURE



MANURE SCRAPERS

Manure scrapers are practical and effective helpers for removing manure. You can customise the scraper width according to your needs and combine the scraper with drains easily. We offer hydraulic, rope, and chain manure scrapers. Suitable for bedded and bedding-free stables. What is the difference between folding scrapers and scraping systems?

Scraping system

- The system consists of horizontal rows of flaps, which remain closed while the scraper moves forward, pushing manure forward.
- When moving backwards, the flaps lift automatically, leaving the manure behind.
- This scraper is ideal for regular manure removal in longer barns where manure needs to be shifted systematically.

Folding scraper

- It consists of two scrapers dragged by rope winches.
- When moving forward, the scrapers open into a V, gathering manure in front of them.
- When moving backwards, the scrapers close, efficiently shifting manure to a selected location.
- This scraper is best for any space where you need to collect and transport manure to a specific destination, especially in smaller barns.

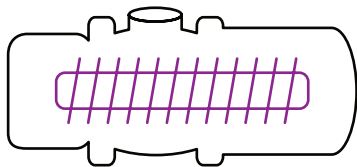
Why ERSTA manure scraping?

- The manure is removed daily from the animal housing improving indoor climate
- Frost protection
- **Low energy consumption – only 0.75 kW**
- Automatic start / stop – can be started up to 24 times a day as desired
- The traction is adjustable for extra safety
- Standard with digital counter for correct length
- Tensioning system of the chain is integrated in the gear motor frame
- Optional manual / automatic calibration of end and stop function.

Specifications

- Type of installation
 - Hydraulic, wire-and chain pulling stations
- Floor type All floor types
- Width 170 – 470 cm





MIXERS

We developed a strong assortment of slalom mixers, intended to be placed in slurry channels, where daily mixing prevents the development of gas and crust. The slalom mixer is particularly suitable for installment in both cross-channels and slalom systems. The slalom slurry mixer is mounted in a bracket, built in strong, hot-galvanized plate and the daily mixing is automatically controlled via a timer.

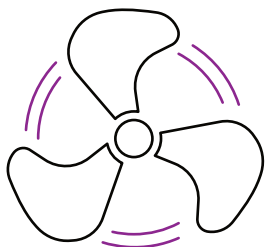
Slurry mixers mix up the sediment at the bottom of the pump and crust on the surface. The well-mixed sump contents can be simply pumped into a slurry tanker and sprayed over the field. No sludge collects at the bottom, meaning there is no need for dredging.



SPECIFICATIONS

Slalom Mixer	kW	Propeller Diameter mm	RMP	Weight kg
1	7,5 kW	650	268	270
2	11,0 kW	650	268	330
3	15,0 kW	650	268	330
4	18,5 kW	650	268	365





SLURRY PUMPS / SUMBERSIBLE AGITATORS

We offer a complete product portfolio of submersible agitators ranging from 1.5 kW to 18.5 kW.

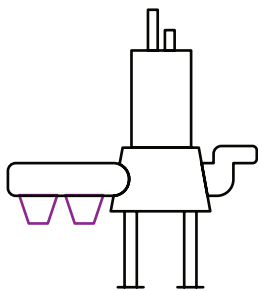
Key parameters

- High quality and high performance
- Unique all-welded propeller design
- Heavy-duty moulded construction
- Low energy consumption. Efficient power transmission
- Genuine spare parts at reasonable prices
- Long operational life and long service intervals mean low operating costs
- Unique, self-cleaning propeller design with high efficiency



SPECIFICATIONS

Slurry Pumps	kW	Propeller Diameter mm	RMP	Weight kg
1	1,5 kW	380	750	82
2	2,5 kW	440	750	85
3	2,2 kW	550	268	141
4	3,0 kW	540	350	145
5	4,0 kW	550	350	150
6	5,5 kW	600	350	235
7	7,5 kW	640	350	245
8	11,0 kW	800	268	325
9	15,0 kW	850	268	340
10	18,5 kW	870	291	355



SLURRY SEPARATORS

Raw slurry is bad for the environment. If you use it unprocessed in your fields, the strong smell will disturb your neighbours, and it can pollute groundwater with nitrates. It also causes a loss of nitrogen naturally present in the soil.



Slurry separators make it easy to separate solid and liquid manure. The dry matter is ideal as a fertiliser but can also be dried, pressed and sold. A new, progressive use of dry matter is for plastic bedding for more sustainable welfare farming.

Separated residual water can be used for irrigation or fertilisation. This water contains 20 % less nitrates than raw slurry and is much easier to pump.

SPECIFICATIONS

Separators	kW	Max. capacity m ³ /h	Max. head	Outlet dimension	Weight kg
1	1,5 kW	100	6	2,5"	57
2	3,0 kW	106	8,9	4"	91
3	5,5 kW	252	10,1	4" / 6"	162
4	7,5 kW	265	14,5	4" / 6"	165
5	11,0 kW	358	13,3	6"	264
6	15,0 kW	441	18,2	6"	270
7	18,5 kW	461	20,0	6"	280
8	15,0 kW	290	27,0	4"	245
9	18,5 kW	310	27,0	4"	245



We will be happy to answer any questions you may have. Give us a call or send us an email.

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