DeLaval heavy duty manure equipment
Robust and efficient manure removal

Long running, low maintenance manure management
DeLaval cable scraper HD70 and HD100

An investment in this heavy duty equipment will be well repaid by durability, with long running time, low maintenance and low power consumption. These reliable and cost effective cable scraper systems will keep your loose housing barn clean. A clean barn helps to reduce cow stress and by promoting cow comfort can improve cow health.

DeLaval cable scraper systems will save you time, labour and money, as well as wear and tear on your tractor, skid loader and building. This quiet cow friendly system is a very cost-efficient method of manure removal.

The cable scrapers provide for frequent cleaning of barn alleys, moving at a steady two or two and a half metres per minute. You can programme regular automatic cleaning cycles in the control box timer, to suit your farm schedule.

If needed, the scrapers can be run continuously, 24 hours a day.

DeLaval cable scraper HD70 and HD100 are easy to install into almost any new or existing loose housing barn, working well even in barns up to 380 metres long. These scrapers are particularly suitable for barns carrying large numbers of animals.

The cable scrapers will scrape all types of manure and bedding, and plastic blades have been designed specially for scraping rubber mats. There is an option of straight blades or V blades: with straw bedding, the V blade scraper will give the best result. Both scrapers can fold into a narrow compact shape to enable a tractor to pass by in the alley.

Choose the HD70 or the HD100 drive unit, depending on the size of your barn, and enjoy controlling a low maintenance, reliable, manure cleaning system.
Features

Drive unit HD70 and HD100
- 1.5 HP three phase electric motor
- Heavy duty gear box to handle heavy loads
- Reversing switch to automatically change blade direction
- Drum T-bar to protect drive unit from double wrapped cable
- Hinged cover for easy service access

HD70
- For barns up to 140 m long
- Uses 9.5 mm cable
- 70 m maximum stroke length
- Up to 4 blades per drive
- Blade speed 2.3 m / minute

HD100
- For barns up to 380 m long
- Uses 11 mm cable
- 100 m maximum stroke length
- Up to 8 blades per drive
- Blade speed 2.3 m / minute
- Recommended for heavy duty installations

Heavy-duty corner wheels
- Machined from durable cast iron
- 480 mm diameter wheel minimizes cable flex
- Triple seal protection from manure
- Double tapered roller bearings
- Flow through greasing system
- Heavy duty crush proof design
- Optional heavy duty cable slack take-up arm

Scraper features
- Scrapes alleys from 2 metres to 5.3 metres wide
- Choice of V-blade or straight blade scrapers
- Replaceable steel scraper blades tip up during reverse cycle
- Optional plastic blades for rubber flooring
- Adjustable wings follow alley curb for optimal cleaning
- Fast and easy blade removal from sled
- Two ratchet-type cable tighteners are located on scraper blades for fast and easy cable tension adjustment
- Optional inset guide profile can guide the scraper and cable without disturbing cow traffic.
- All equipment is powder coated.
Pumps manure many metres
If you have to transfer manure a long distance, choose this solution.

DeLaval transfer pump SP480 is a hydraulic piston pump, designed to pump liquid manure from barn to storage. Strong and reliable, the pump does not have the high speed of the electric pumps, but it has the hydraulic power to steadily and relatively quietly pump liquid manure up to a maximum distance of 350 metres.

DeLaval propeller agitator PA provides fast and effective agitation of slurries. It is used before and during pumping to chop and homogenize the manure, in below ground liquid manure reception pits with vertical walls.

The 5.6 kW hydraulic unit produces the required pressure for the piston pump to operate. Though the pump needs liquid manure to work well, the system can be designed for use with bedded manure if a water return line from the main storage pit is included in the system.

<table>
<thead>
<tr>
<th>Features</th>
<th>SP480 76 mm pump</th>
<th>SP480 101 mm pump</th>
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<tbody>
<tr>
<td>Cylinder size:</td>
<td>76.2 mm x 1 219 mm</td>
<td>101.6 mm x 1 219 mm</td>
</tr>
<tr>
<td>Maximum flow:</td>
<td>900 litres per minute</td>
<td>510 litres per minute</td>
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<tr>
<td>Output pressure:</td>
<td>2.4 bar</td>
<td>4.3 bar</td>
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<tr>
<td>Max distance /15 cm pipe:</td>
<td>41 m</td>
<td>73 m</td>
</tr>
<tr>
<td>Max distance / 20 cm pipe:</td>
<td>240 m</td>
<td>350 m</td>
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Fast and effective
If you have a large volume of manure in a vertical wall pit and need to transport it to main storage or fill up a manure tank or spreader quickly, this pump is the one you should choose.

DeLaval electric pump EP400 and EP500 agitate and pump out manure reception pits with minimum hassle. Their high capacity enables pits to be pumped out very quickly, ideal for loading a manure spreader, or in other situations where speed is important. The EP400 agitates up to 5 600 litres/minute, while the EP 500 can shift up to 9 400 litres/minute, depending on motor size and manure consistency.

These high quality pumps are expertly engineered for rugged dependability and minimum maintenance. Reliable, easy to operate and service, you have a choice of lengths and electric motor power options, so these pumps can be set up to your exact needs.

Standard equipment includes agitation nozzles that rotate 270 degrees and a dependable triple-sealed, oil-filled lower bearing. For EP400 a sliding stationary mounting bracket is available which makes installation quick and easy.

Powerful and tough
DeLaval electric pump EP400 and EP500 are high capacity vertical pumps built to tackle the toughest liquid manure, vertical wall pits. These tough, rugged pumps provide hard-working agitation of large dairy reception pits, with a heavy-duty impeller and a tubular-type drive shaft which does not require intermediate support bearings. The oil filled lower bearing assembly and triple greased seals provide for reliable pump operation in any conditions.

DeLaval also offers a selection of 15.24 to 20.32 cm (6 to 8 inch) valves and fittings for building your complete manure transfer plumbing system.

DeLaval EP400 and EP500 features
- Hard wearing design
- Oil filled lower bearing assembly
- Hydraulic or manual control
- 1.8 to 3.8 metres long

EP400
406 mm impeller
Choose: 15 kW, 25 kW or 30 kW electric motor

EP500
508 mm impeller
Choose: - 37 kW or 55 kW heavy duty electric motor
DeLaval lagoon pump TP65 and TP65H

**Agitate, pump, load**

The outstanding performance of DeLaval lagoon pump TP65 and TP65H enables you to:

- agitate liquid manure in any vertical or sloped wall manure storage pit
- pump out the manure
- load tanks quickly, with up to 19,000 litre per minute capacity.

DeLaval lagoon pump TP65 is trailer mounted, providing good stability for working in sloped wall storage pits. Adjustable twin stabilizer legs and wide stance tyres counterbalance the sideways thrust of the agitation nozzle. It is 9.75 or 12.8 m long, to get to the bottom of deep lagoons or open pits, and operates on tractors of 65 or 88 kW on the PTO axis. Hydraulic controls for the trailer, horizontal and vertical nozzle movement, and the agitate/fill valve, are easily operated from the tractor seat.

DeLaval lagoon pump TP65H is a tractor pump with a three point hitch, requiring 65kW or 88kW power on the PTO axis. Its short length – 5.5 or 7.5 metres – makes the pump extremely manoeuvrable. The unique double jointed drive shaft provides maximum performance in pumping angles of up to 60°. This pump is mounted straight on the hitch, and can be used for straight sided or sloped wall manure storage pits, in-ground or with ramp access.