LIVESTOCK FARMING & BIOGAS

Vertical Long-Shaft Chopper Pumps with Electric Motor

VPH







WAMGROUP®

SAVECO®

Vertical Long-Shaft Chopper Pumps with Electric Motor VPH

ROBUST, DURABLE, VERSATILE

CHIOR® VPH is a Vertical Chopper Pump with external motor drive designed to chop up and lift any kind of livestock slurry, biogas digestate, as well as civil or industrial effluents.

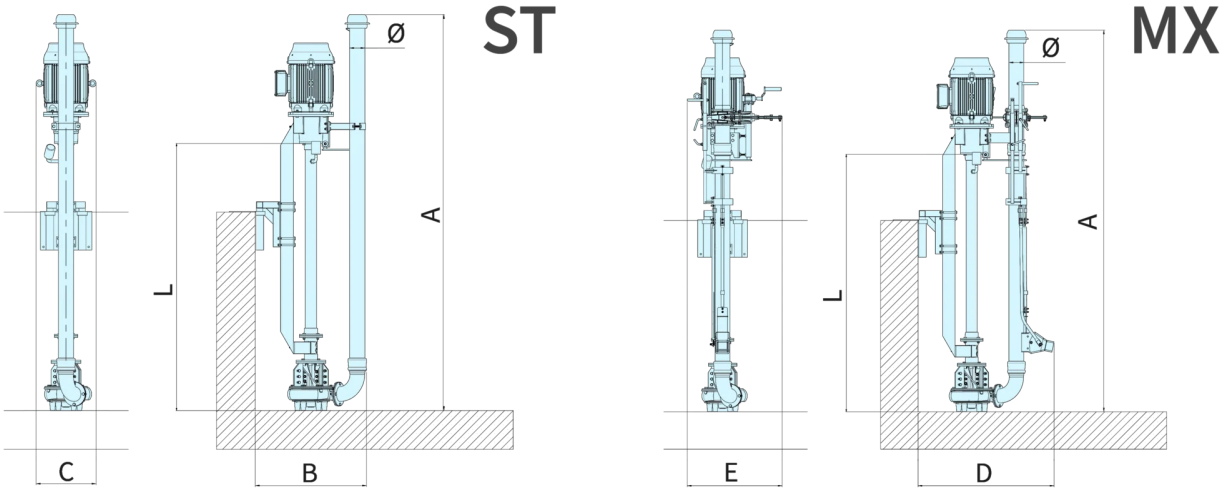
CHIOR® VPH Long-Shaft Cutting Pumps with top suction and triple chopping tool excel through their high pumping capacity and cutting efficiency even under harsh working conditions. The design of the pump housing made of cast iron or stainless steel enables a wide range of possible applications.

The electric motor rotates the suction screw via the drive shaft. The chopping system enables shredding of coarse matter. The shredded material is conveyed out of the tank or pit through the stainless-steel delivery pipe. The MX-version conveys the material into the tank through a special mixing nozzle.

Technical Features

- IE3 motor (Premium Efficiency)
- 3-phase, 4-pole electric motor with IP55 protection
- Stainless-steel frame (transmission pole and delivery pipe)
- Torsional elastic coupling between motor and transmission shaft
- Oil-bearing drive unit
- Modular drive shaft delivers higher resistance to mechanical stress reducing vibrations
- Chopping system available in Cast Iron or 304 SS version

Overall Dimensions

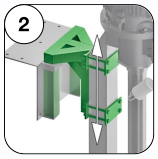


MODEL	Drive Power (kW)	Pipe Ø (mm)	L=2.5 (m) A (mm)	L=3.0 (m) A (mm)	L=3.5 (m) A (mm)	L=4.0 (m) A (mm)	L=4.5 (m) A (mm)	L=5.0 (m) A (mm)	L=5.5 (m) A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
VPH 055	5.5	100	3,330	3,830	4,330	4,830	5,330	5,830	6,330	750	360	-	-
VPH 075	7.5											950	800
VPH 110	11.0		3,530	4,030	4,530	5,030	5,530	6,030	6,530		430		
VPH 150	15.0	120	3,570	4,070	4,570	5,070	5,570	6,070	6,570	860	480	1,100	
VPH 185	18.5												
VPH 220	22.0												

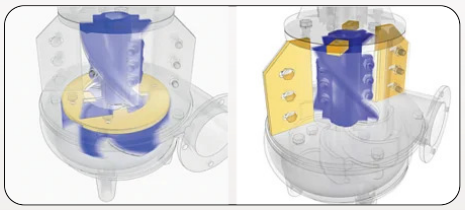
Benefits

- **High-efficiency, low-energy consumption electric motor**
- **High lifting efficiency thanks to top suction system**
- **Efficient chopping system that prevents clogging**
- **Anti-leakage design**
- **Wide range suitable for different tank depths**
- **Chopping system available in stainless steel for minimum corrosion and extended durability**
- **Practical and effective mixing system (MX-version)**

1. Wall flange support

2. 
Height-adjustable removable stand

3. TRIPLE CHOPPING SYSTEM.
Chopping operated by:
- Counter-knives
- Shear bars
- Counter rotor



4. Cemented carbide mechanical seal

5. Counter rotor, counter knives and shear bars manufactured from treated and hardened material

6. Brass piston gate valve

7. Delivery pipe with vertically and horizontally adjustable mixing nozzle

ST



MX

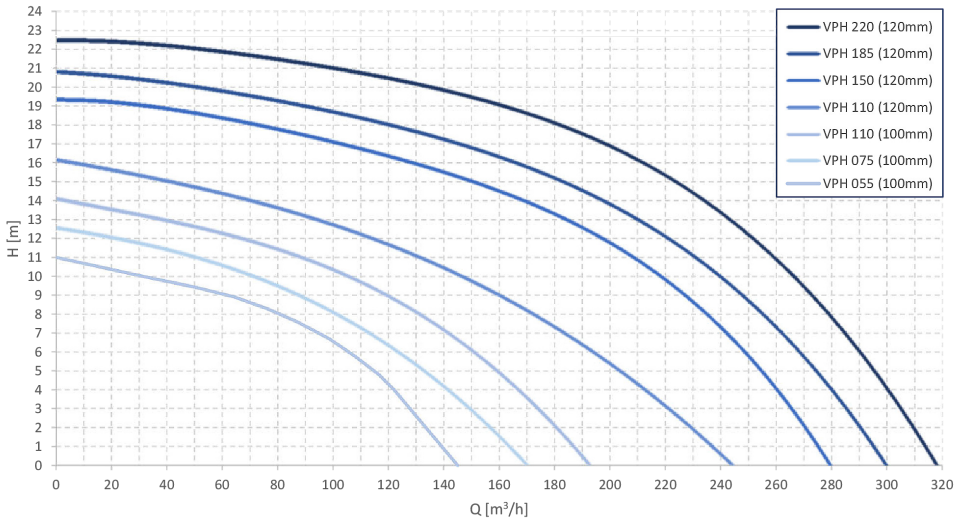


Accessories


Stainless-steel electric motor rain cover


Anchor bracket for wall support

Product Range Performance



* Values measured with clear water at 20 °C.

Results may vary by changing the operating conditions depending on the flow rate, density and viscosity of the liquid, the type and dry matter content of the manure (depending on type of animal feed), the height and distance of the support stand as well as the diameter of the pipe.

Application





203001727 August 2025 Rights reserved to modify technical specifications.

This brochure has been edited for distribution in European Union countries.

SAVECO®

UNI EN ISO 9001
Certified Company

www.wamgroup.com