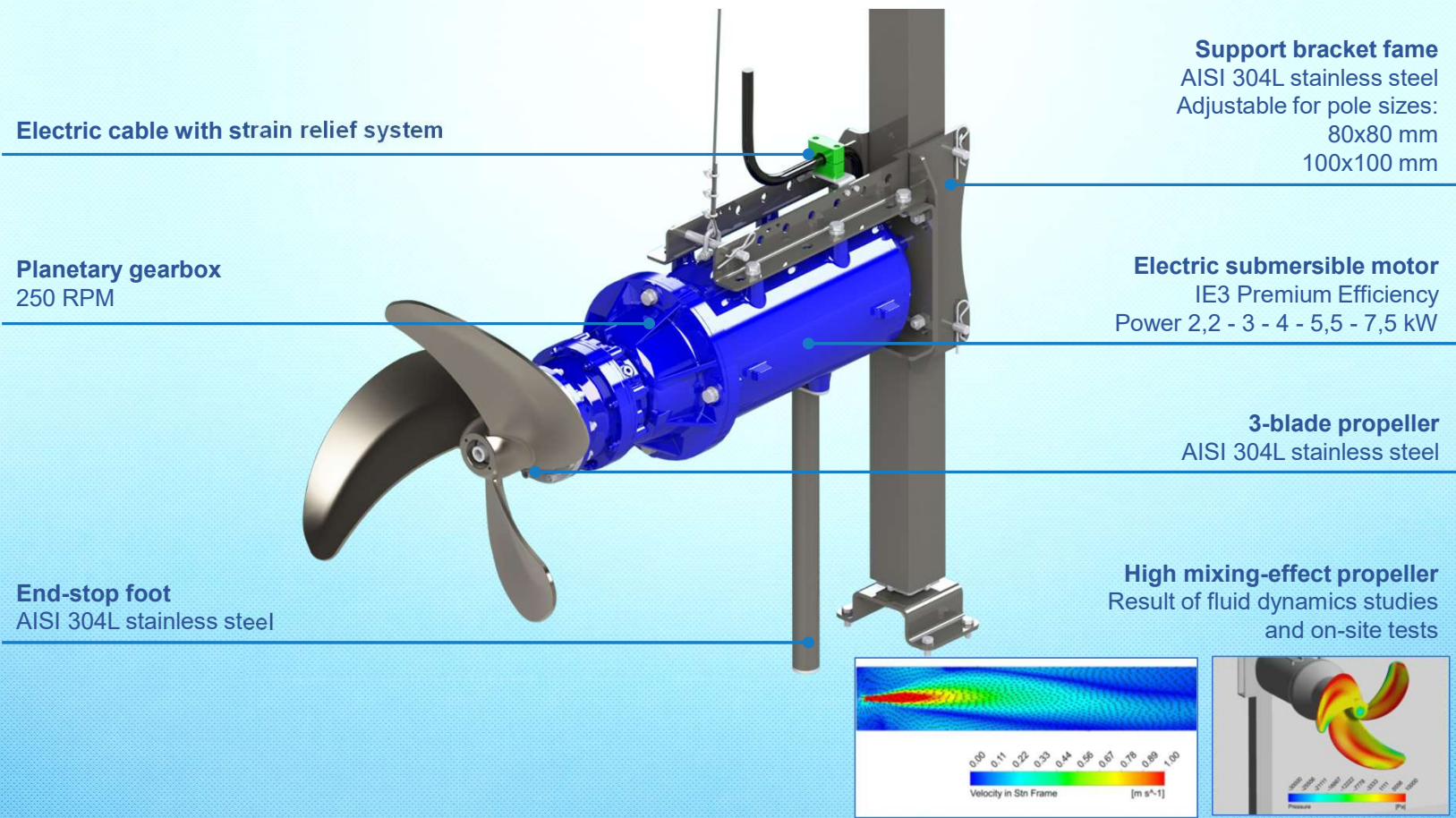




SAVECO®
Agitators & Pumps



CHIOR® SE Submersible agitator





CHIOR® SE Submersible agitator

Electrical cable with strain relief system

Planetary gearbox
140 RPM
280 RPM
355 RPM

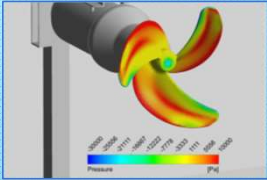
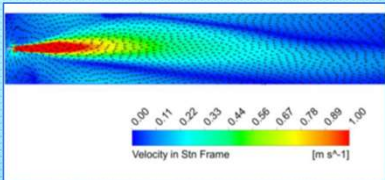
End-stop foot
AISI 304L stainless steel

Support bracket frame
AISI 304L stainless steel
Adjustable for pole sizes:
100x100 mm
120x120 mm

Electric submersible motor
IE3 Premium Efficiency
Power 11 – 15 – 18,5 – 22 kW

3-blade propeller
AISI 304L stainless steel

High mixing-effect propeller
Result of fluid dynamics studies and on-site tests



CHIOR® SE Submersible agitator



Brand	Type	Power (kW)	rpm	Propeller Ø (mm)	Thrust (N)	Flow rate (m3/h)	Distance of mixing (m)	Rated Current (A)
CHIOR	SE 022	2,2	250	510	725	2.030	25	5,3
CHIOR	SE 030	3	250	560	818	2.223	28	6,7
CHIOR	SE 040	4	250	570	906	2.648	33	8,7
CHIOR	SE 055	5,5	250	645	1.143	2.875	38	12
CHIOR	SE 075	7,5	250	710	1.635	4.312	47	16
CHIOR	SE 110 LE	11	140	1000	5.418	13.819	60	22,5
CHIOR	SE 110 ST	11	280	650	2.902	5.266	65	22,5
CHIOR	SE 110 VE	11	355	530	2.196	4.776	70	22,5
CHIOR	SE 150 LE	15	140	1100	5.960	16.582	60	29
CHIOR	SE 150 ST	15	280	740	3.885	7.523	72	29
CHIOR	SE 150 VE	15	355	590	3.067	6.279	75	29
CHIOR	SE 185 ST	18,5	280	770	5.780	10.629	80	34
CHIOR	SE 185 VE	18,5	355	610	5.185	8.744	85	34
CHIOR	SE 220 ST	22	280	800	5.367	11.184	88	41,5
CHIOR	SE 220 VE	22	355	710	5.559	9.955	90	41,5

* Values measured with clear water at 20 °C.

Results may vary by changing the operating conditions depending on density and viscosity of the liquid.



SE submersible agitator 7,5 kW

CHIOR® SPB *Submersible chopper pump*

Patent pending

CHOPPING SYSTEM

Pump body unit in treated cast iron
Cutting components in treated steel

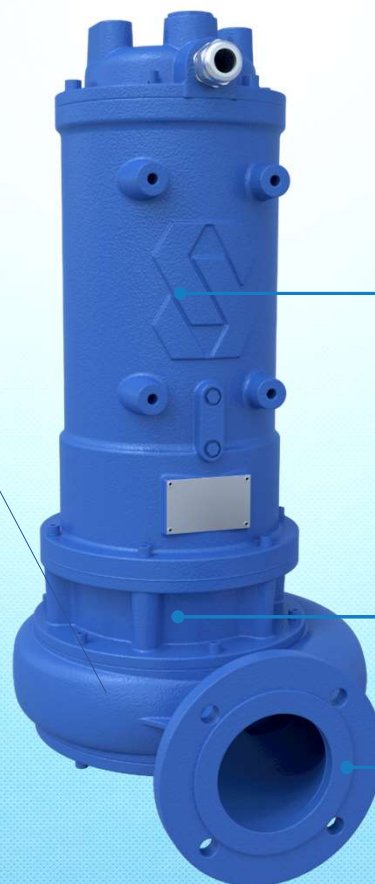
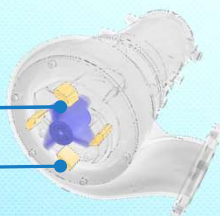
n. 1 conveyor

n. 4 knives

n. 1 impeller

n. 1 conveyor

n. 1 toothed plate



Electric submersible motor

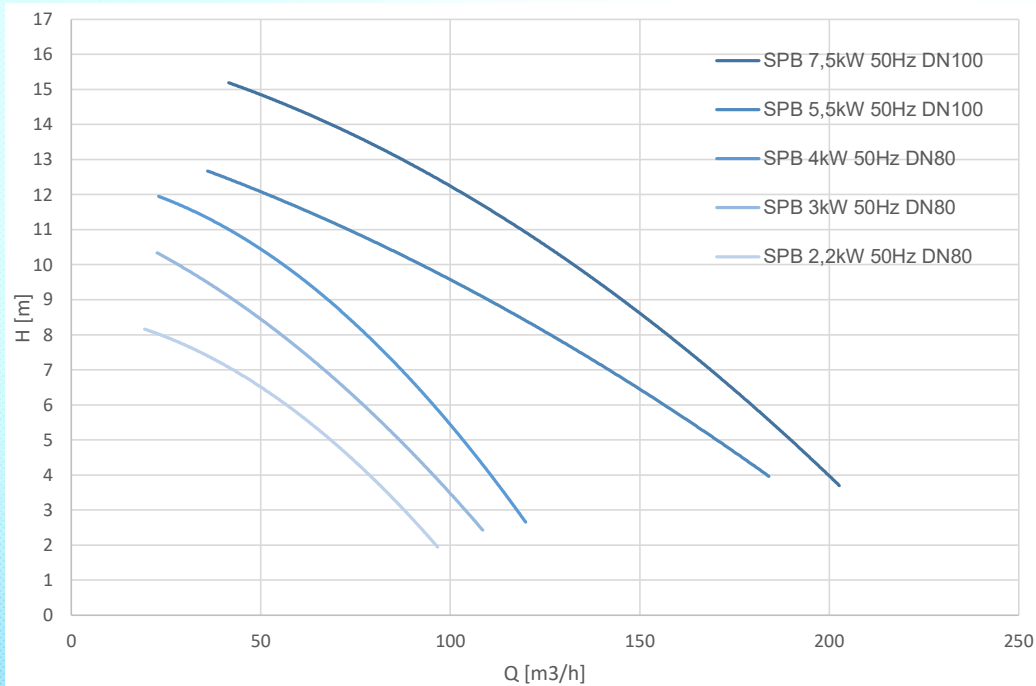
IE3 Premium Efficiency
DN 80 Power 2,2 – 3 – 4 kW
DN 100 Power 5,5 – 7,5 kW

Oil-bearing drive unit

Output flange

DN 80 (SPB 022 – 030 – 040)
DN 100 (SPB 055 – 075)

CHIOR® SPB Submersible chopper pump



* 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.



SPB submersible pump 7,5 kW

CHIOR® VPH Vertical chopper pump

Electric motor

IE3 Premium Efficiency

VPH 100 Power 7,5 - 11 Kw

VPH 120 Power 11 - 15 - 18,5 - 22 kW

Wall support

AISI 304L stainless steel

TRIPLE CHOPPING SYSTEM

Version pump unit in AISI 304L stainless steel
Cutting components in treated steel

n. 2 cutting-bars

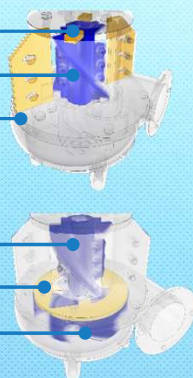
n. 1 auger

n. 2 knives

n. 1 auger

n. 1 toothed plate

n. 1 impeller



VPH-ST

VPH-MX

Ø Delivery pipe

AISI 304L stainless steel

VPH 100 = 100 mm

VPH 120 = 120 mm

Brass piston gate valve

Oil level and filling pot

Structure

AISI 304L stainless steel

Adjustable mixing nozzle

AISI 304L stainless steel

Available lengths range 2,5 ÷ 5,5 mt



Livestock farming and Biogas



CHIOR® VPH Vertical chopper pump

Electric motor
IE3 Premium Efficiency
VPH 120 Power 11 - 15 - 18,5 - 22 kW

Wall support
AISI 304L stainless steel

TRIPLE CHOPPING SYSTEM
Version pump unit in treated cast iron
Cutting components in treated steel

- n. 2 cutting-bars
- n. 1 auger
- n. 2 knives

- n. 1 auger
- n. 1 toothed plate
- n. 1 impeller

VPH-ST

VPH-MX

Ø Delivery pipe
AISI 304L stainless steel
VPH 120 = 120 mm

Brass piston gate valve

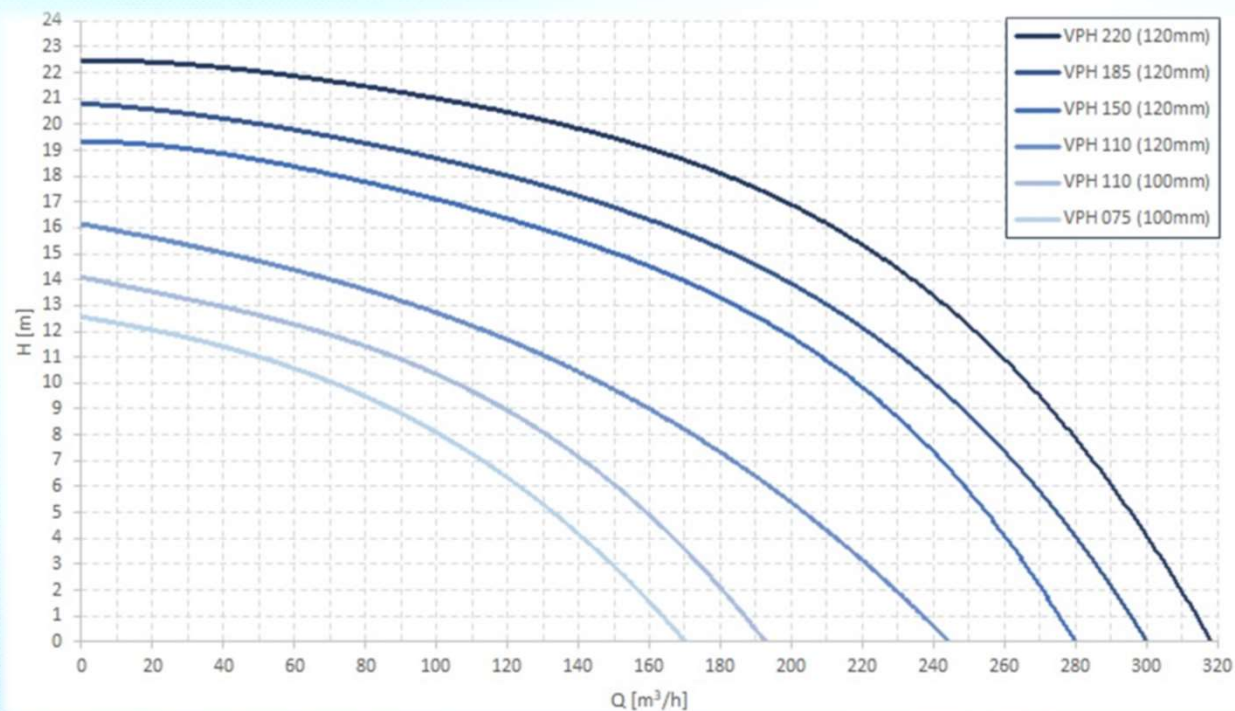
Oil level and filling pot

Structure
AISI 304L stainless steel

Adjustable mixing nozzle

Available lengths range 2,5 ÷ 5,5 mt

CHIOR® VPH Vertical chopper pump



* 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.



VPH 120 11 kW MX version



Livestock farming and Biogas



CHIOR® SPH Submersible chopper pump

Electric cable with strain relief system

Lifting bracket
AISI 304L stainless steel

Electric submersible motor
IE3 Premium Efficiency
Power 11 – 15 – 18,5 kW

TRIPLE CHOPPING SYSTEM
Version pump unit in treated cast iron
Cutting components in treated steel

n. 2 cutting-bars

n. 1 auger

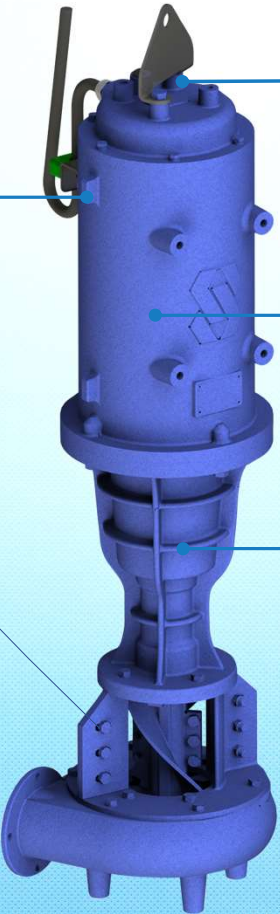
n. 2 knives

n. 1 auger

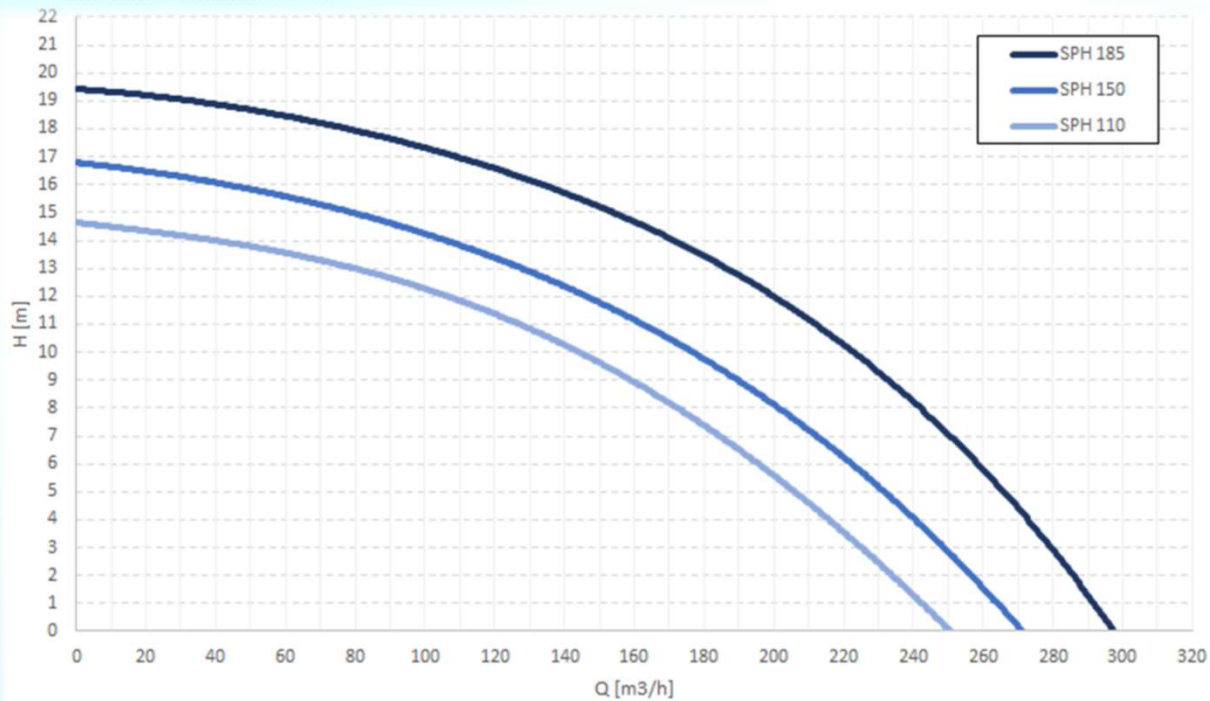
n. 1 toothed plate

n. 1 impeller

Oil-bearing drive unit



CHIOR® SPH Submersible chopper pump



* 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.



Swiveling hoist & winch system – Model with pole

Available in version:

for pole 80X80 mm (pole not included)
for pole 100X100 mm (pole not included)

Note

Bottom bracket + pole toe INCLUDED

Capacity:

Max. 250 Kg

Material:

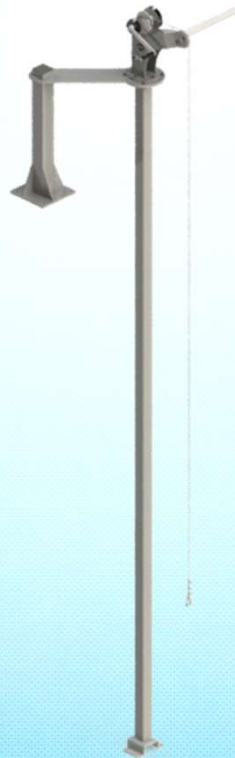
Galvanized iron

Suitable for:

SE agitators size 2,2 ÷ 7,5 kW
SPB pumps size 2,2 ÷ 7,5 kW

Certifications:

CE Certification



Swiveling hoist & winch system – Model w/o pole

Capacity:
Max. 250 Kg

Material:
Galvanized iron

Suitable for:
SPB pumps size 2,2 ÷ 7,5 kW

Certifications:
CE Certification





NEW



Available Ex version



CHIOR® HMT-B Long shaft agitator

3-blade propeller
AISI 304L stainless steel

Transmission pipe
AISI 304L stainless steel

Available lenght range 2 – 3 – 4 mt

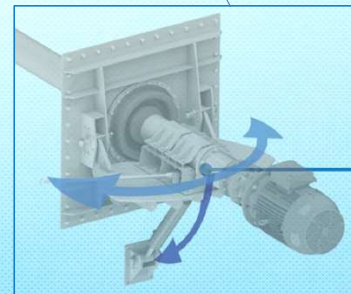
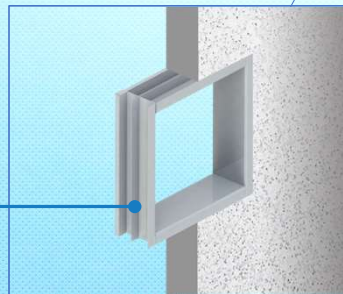
Wall fixing plate
AISI 304L stainless steel
Size 900 x 900 mm

Planetary gearbox
280 RPM

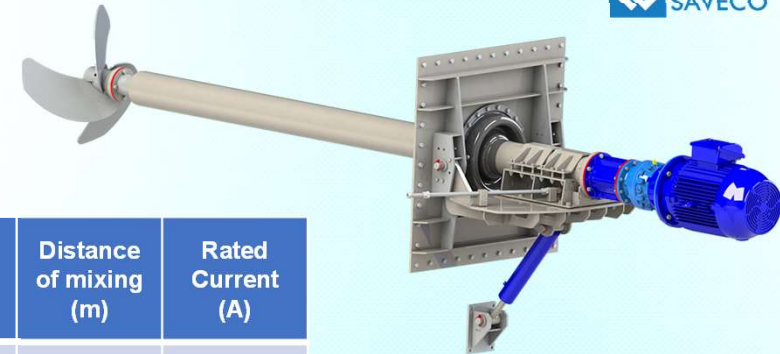
Electric motor
IE3 Premium Efficiency
Power 11 - 15 – 18,5 - 22 kW

Wall mounting frame
AISI 304L stainless steel
Size 900 x 900 x 300 mm

Bi-directional adjustment
 $\pm 25^\circ$ Horizontally
0 – 30° Vertically



CHIOR® HMT-B Long shaft agitator



Brand	Type	Power (kW)	rpm	Propeller Ø (mm)	Thrust (N)	Flow rate (m3/h)	Distance of mixing (m)	Rated Current (A)
CHIOR	HMT B 110	11	280	650	2.902	5.793	65	22
	HMT B 150	15	280	740	3.885	8.275	72	29
	HMT B 185	18,5	280	770	5.780	11.692	80	34
	HMT B 220	22	280	800	5.998	12.302	88	40

* Values measured with clear water at 20 °C.

Results may vary by changing the operating conditions depending on density and viscosity of the liquid.

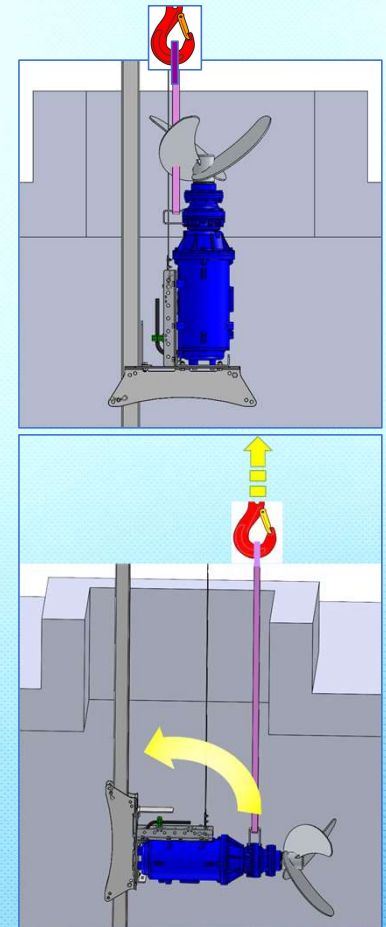
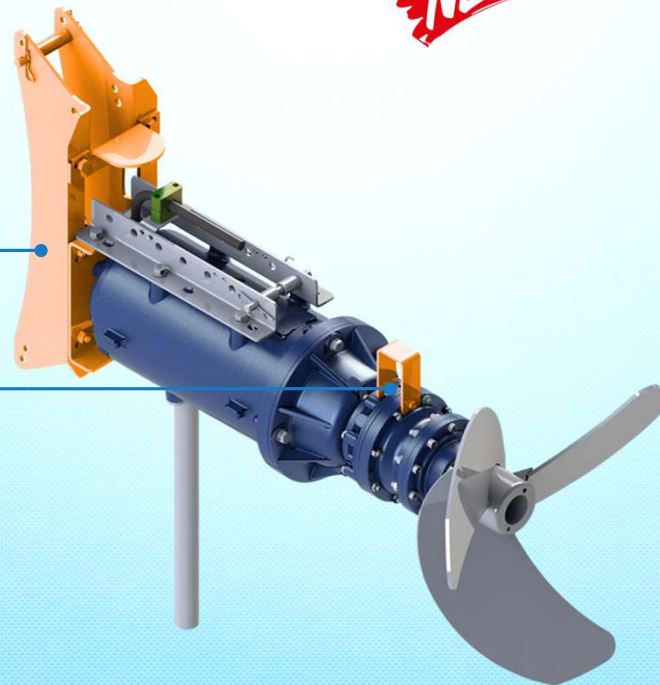
Accessories for SE submersible agitators – Bracket kit for vertical installation

NEW

Pole fixing bracket
AISI 304L stainless steel

Adjustable for pole sizes:
Version 100x100 – 120x120 mm
Version 150x150 mm

Lifting “U” bracket
AISI 304L stainless steel





Livestock farming and Biogas

CHIOR® SPB *Submersible chopper pump*

NEW



Patent pending

CHOPPING SYSTEM

Pump body unit in treated cast iron
Cutting components in treated steel

n. 1 conveyor

n. 5 knives

n. 1 impeller

n. 1 conveyor

n. 1 toothed plate



Electric submersible motor

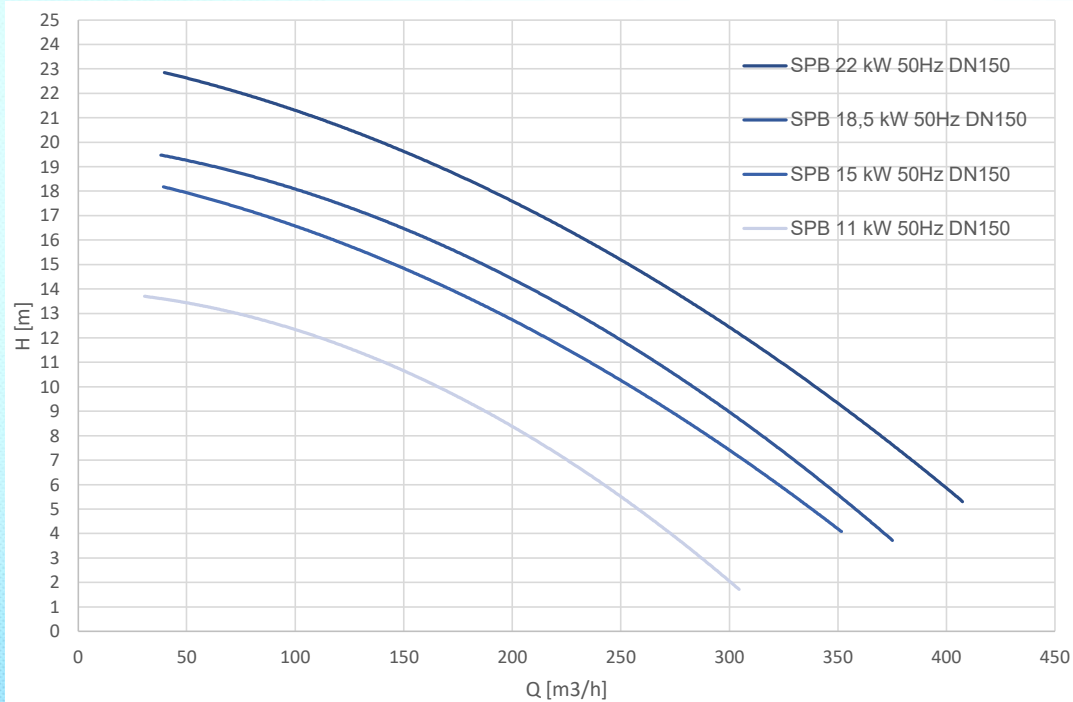
IE3 Premium Efficiency

DN 150 Power 11 – 15 – 18,5 – 22 kW

Oil-bearing drive unit

Output flange
DN 150

CHIOR® SPB Submersible chopper pump



* 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.



SPB submersible pump

CHIOR® HPD Chopper pump

NEW

Output flange
DN 100 (HPD 055 - 075)

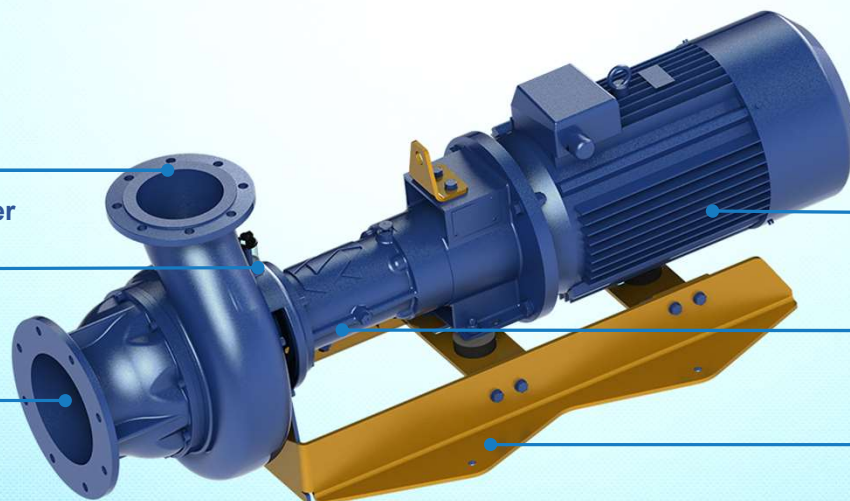
Mechanical seal oil chamber
with oil filling pot

Suction flange
DN 150 (HPD 055 - 075)

Electric motor
IE3 Premium Efficiency
DN 100 Power 5,5 – 7,5 Kw

Oil-bearing drive unit

Ground support

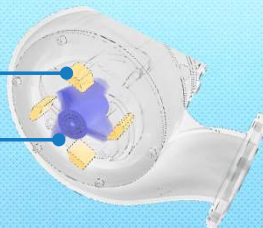


CHOPPING SYSTEM

Pump body unit in treated cast iron
Cutting components in treated steel

n. 4 knives

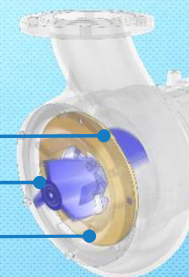
n. 1 conveyor



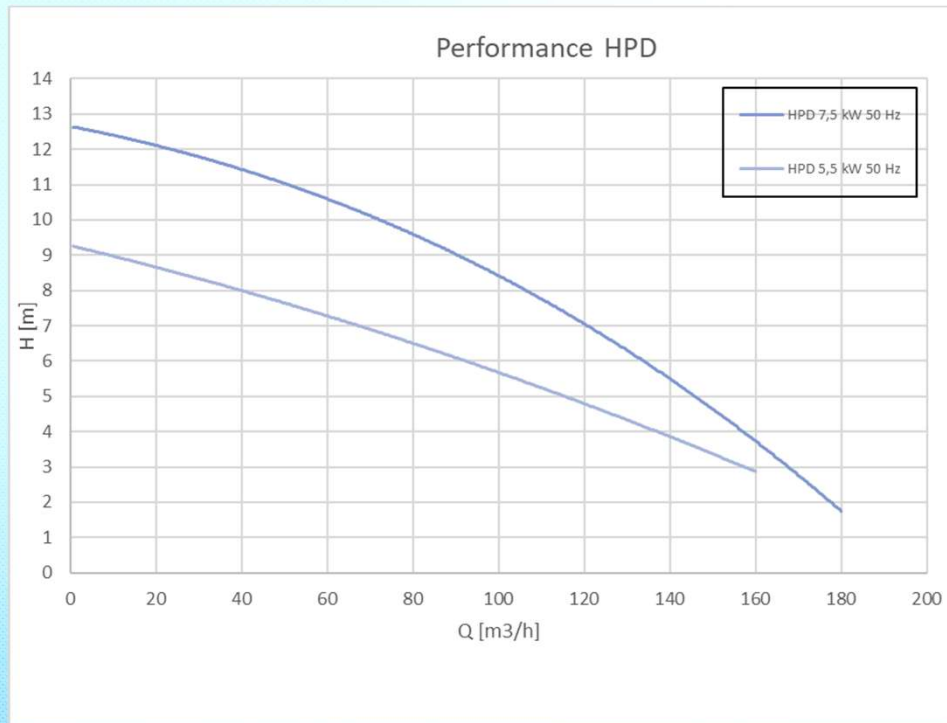
n. 1 impeller

n. 1 conveyor

n. 1 toothed plate



CHIOR® SPB Submersible chopper pump



* 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.



HPD pump

CHIOR® HPD Chopper pump

NEW

Output flange

DN 150 (HPD 110 – 150 – 185 - 220)

Mechanical seal oil chamber

with oil filling pot

Suction flange

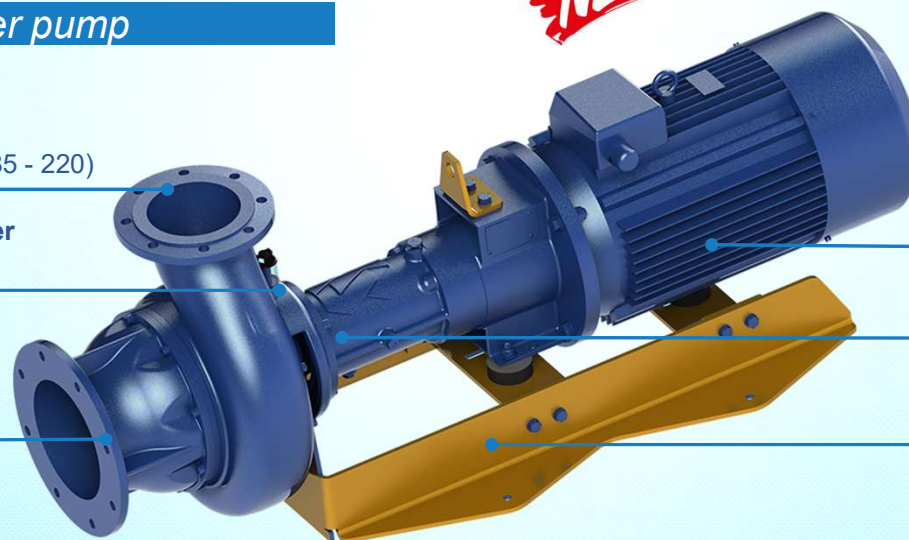
DN 200 (HPD 110 – 150 -
185 - 220)

Electric motor

IE3 Premium Efficiency
DN 150 Power 11 – 15
18,5 – 22 kW

Oil-bearing drive unit

Ground support



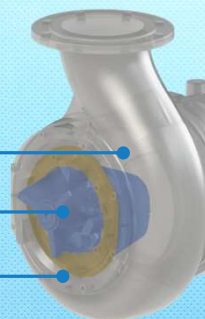
CHOPPING SYSTEM

Pump body unit in treated cast iron
Cutting components in treated steel

n. 1 impeller

n. 1 conveyor

n. 1 toothed plate

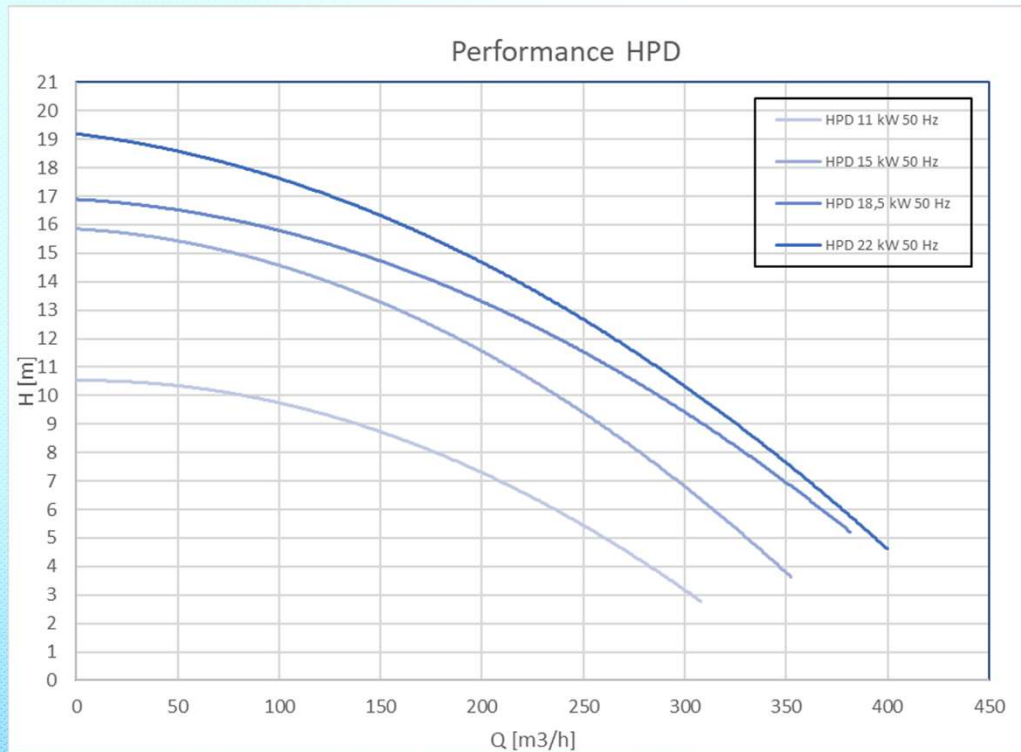


n. 1 conveyor

n. 5 knives



CHIOR® SPB Submersible chopper pump



* 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.



HPD pump



Livestock farming

CHIOR® VPF Vertical Flushing pumps

NEW



Electric motor
IE3 Premium Efficiency
6 Poles – 960 rpm
Power 15 - 18,5 - 22 kW

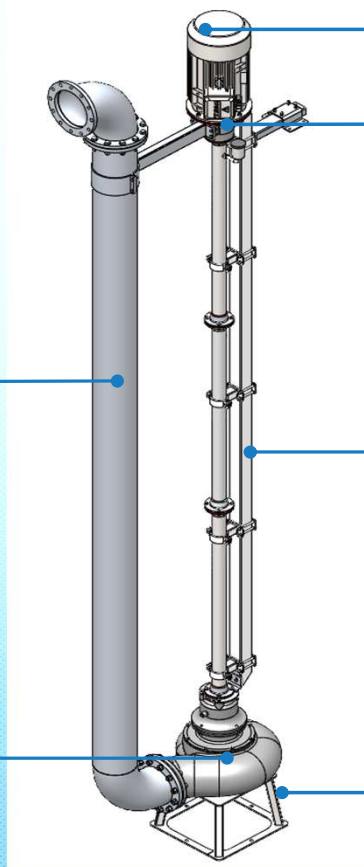
Wall support
AISI 304L stainless steel

Structure
AISI 304L stainless steel

Bottom support
AISI 304L stainless steel

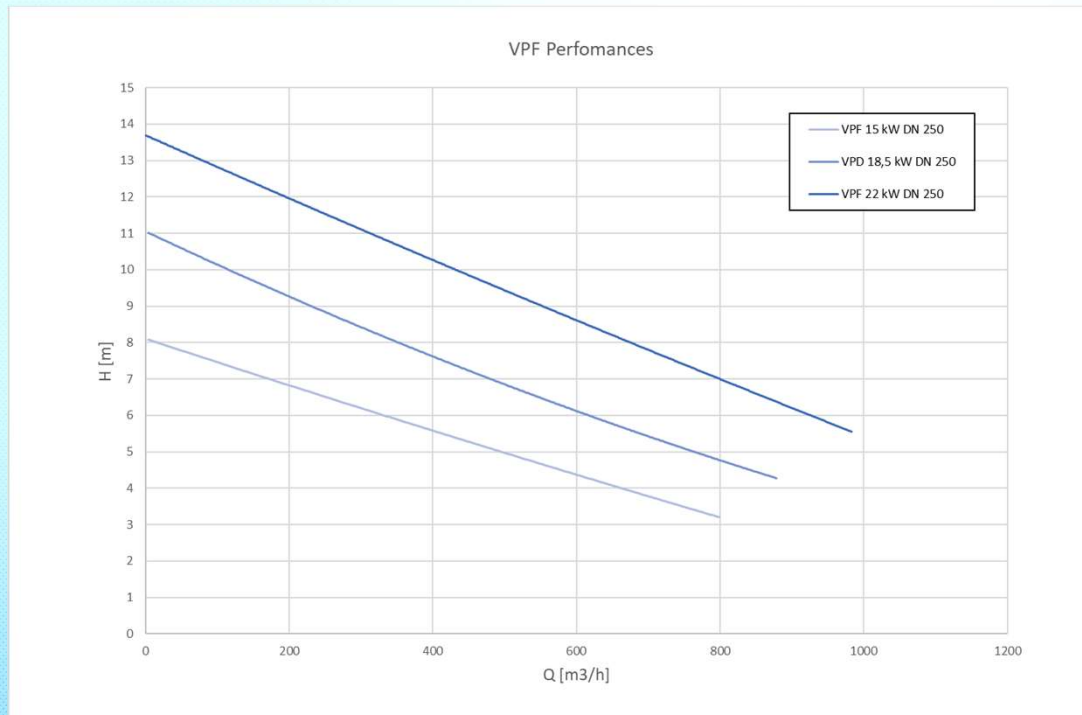
DN 250 Delivery pipe
AISI 304L stainless steel

Pump unit
Treated cast iron



Available lengths range 4,5 - 5 - 5,5 mt

CHIOR® VPF Vertical Flushing pumps



* 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.



Swiveling hoist & winch system – ARM

Capacity:

Max. 400 Kg

Rotation range:

± 90° horizontally

Material:

AISI 304L stainless steel

Suitable for:

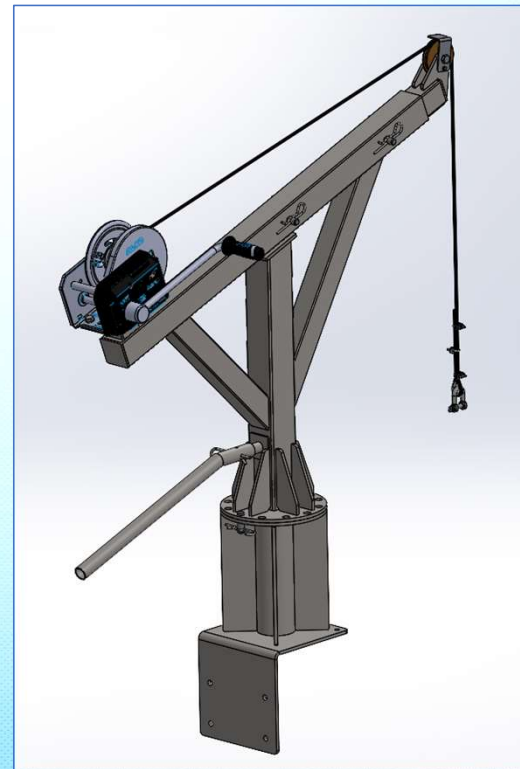
SPB pumps size 11 ÷ 22 kW

SPH pumps size 11 ÷ 22 kW

Certifications:

CE Certification

NEW



Fixed hoist & winch system – ARM

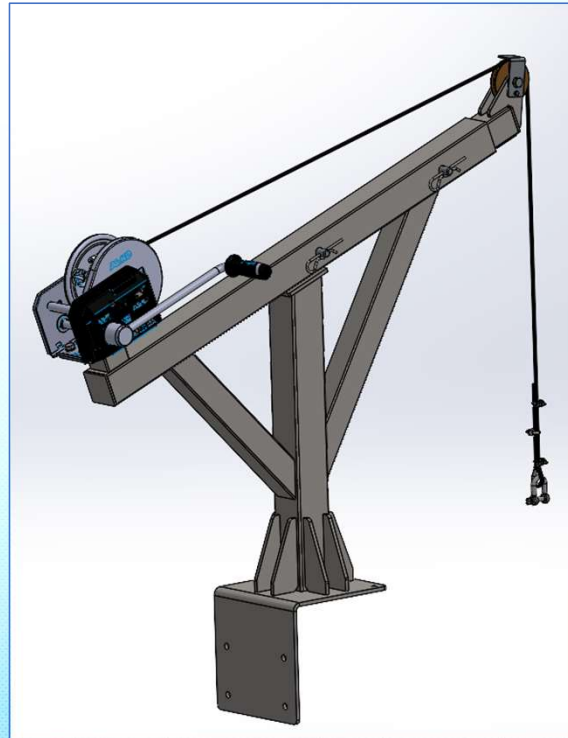
NEW

Capacity:
Max. 400 Kg

Material:
AISI 304L stainless steel

Suitable for:
SPB pumps size 11 ÷ 22 kW
SPH pumps size 11 ÷ 22 kW

Certifications:
CE Certification



Fixed hoist & winch system – ARP

NEW

Capacity:

Max. 400 Kg

Material:

AISI 304L stainless steel

Suitable for:

SE agitators size 11 ÷ 22 kW

SPB pumps size 11 ÷ 22 kW

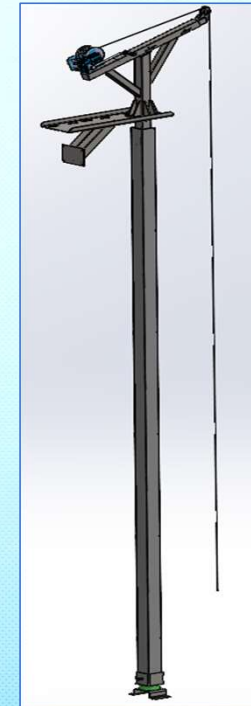
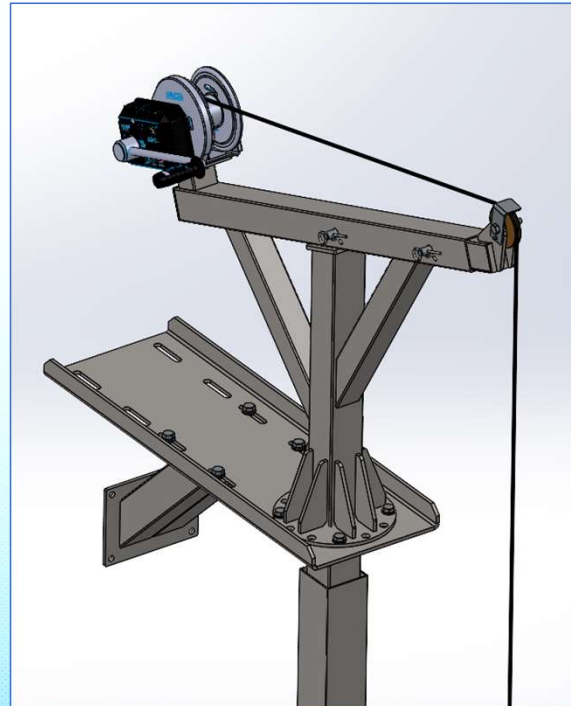
SPH pumps size 11 ÷ 18,5 kW

Note:

Pole, limit switch bracket, bottom bracket + pole toe NOT INCLUDED

Certifications:

CE Certification



Swiveling hoist & winch system – ARP

NEW

Capacity:

Max. 400 Kg

Rotation range:

$\pm 90^\circ$ horizontally

Material:

AISI 304L stainless steel

Suitable for:

SE agitators size 11 ÷ 22 kW

SPB pumps size 11 ÷ 22 kW

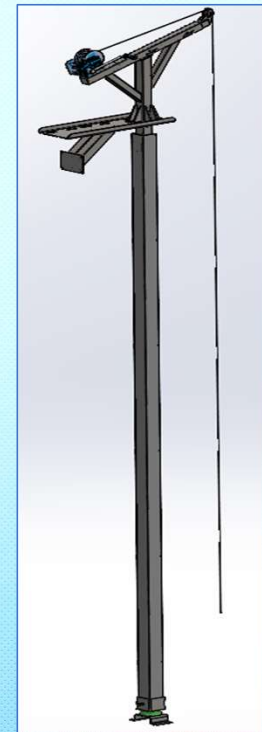
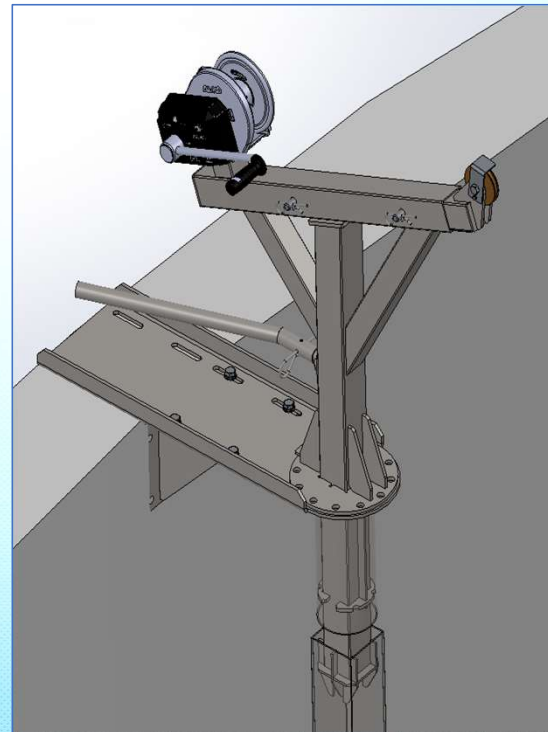
SPH pumps size 11 ÷ 18,5 kW

Note:

Pole, limit switch bracket, bottom bracket + pole toe NOT INCLUDED

Certifications:

CE Certification



Swiveling hoist & winch system – model with pole

NEW

Range:

100x100 mm pole version
120x120 mm pole version
150x150 mm pole version

Material:

AISI 304L stainless steel

Rotation range:

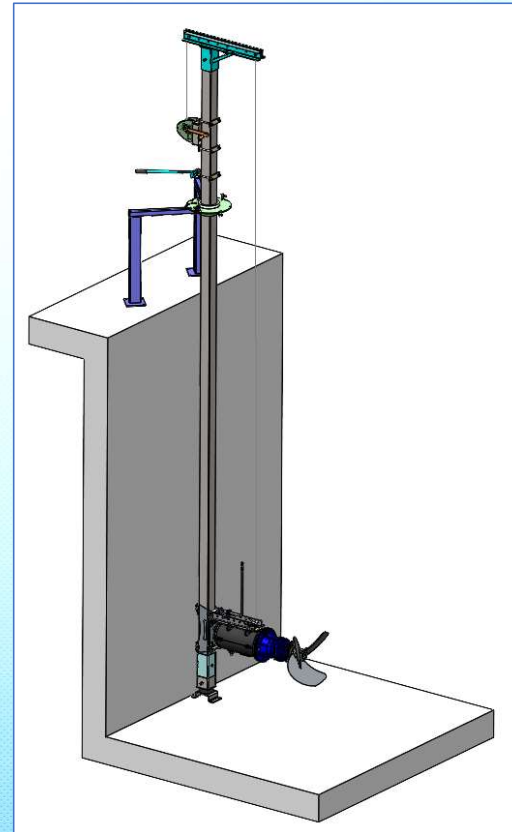
± 60° horizontally

Note:

Pole, limit switch bracket, bottom bracket +
pole toe NOT INCLUDED

Suitable for:

SE agitators (all range)
SPB pumps (all range)
SPH pumps (all range)



NEW

Accessories for hoist & winch systems – Square pole

Square poles sizes:

100x100 mm pole
120x120 mm pole
150x150 mm pole

Pole thickness:

4 mm

Pole lengths available:

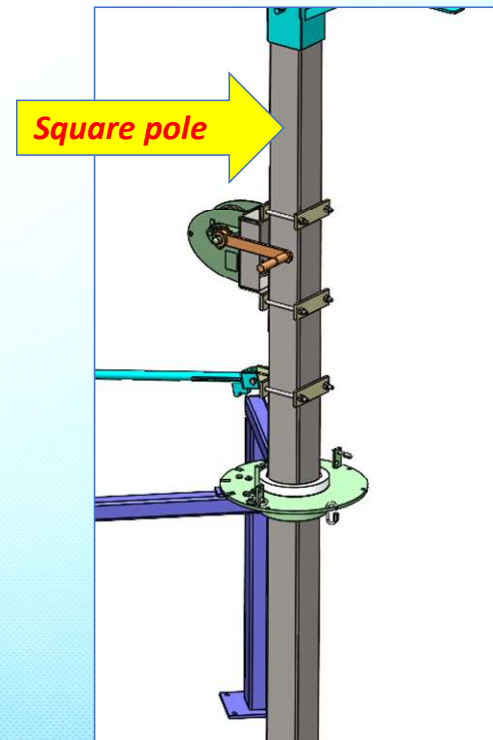
6 m

8 m

*Longer lengths on demand

Material:

AISI 304L stainless steel



Accessories for square pole – Limit switch bracket & Bottom bracket + pole toe

Range suitable for poles sizes:

100x100 mm pole

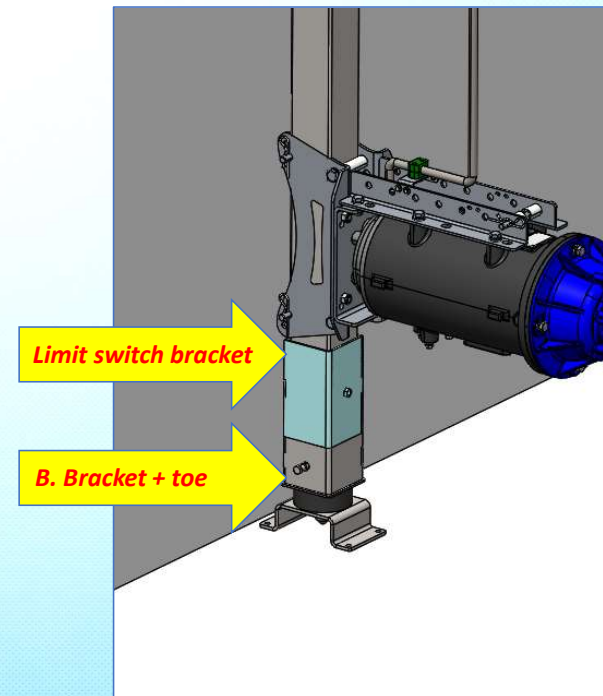
120x120 mm pole

150x150 mm pole

Material:

AISI 304L stainless steel

NEW





Biogas



CHIOR® PCP Progressive cavity pump

NEW

Gearbox serie S
200 RPM

Electric motor
IE3 Premium Efficiency
Power 2,2 – 4 – 5,5
7,5 – 11 – 15 kW

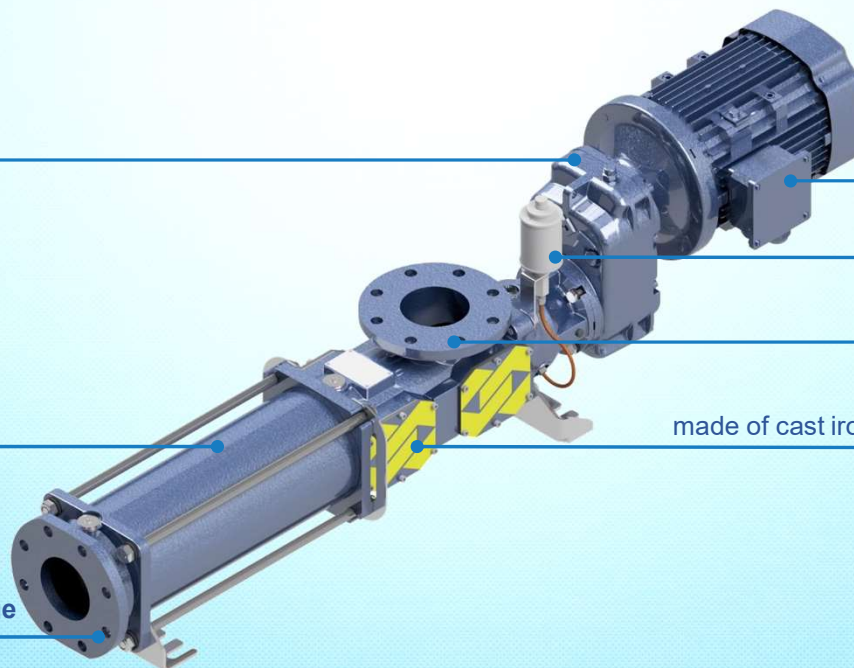
**Pot for topping up and
checking oil level**

Load flange

Stator and rotor
Hardened steel for low wear

Housing
made of cast iron with large flow cross section

Pressure nozzle with discharge



CHIOR® PCP Progressive cavity pump

Brand	Type	Power (kW)	rpm	Flow rate (m3/h)
CHIOR	PCP 60	2,2	200	9
CHIOR	PCP 80	4	200	20
CHIOR	PCP 90	5,5	200	30
CHIOR	PCP 100	7,5	200	40
CHIOR	PCP 110	11	200	55
CHIOR	PCP 125	15	200	80

* 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.



Biogas

CHIOR® HMT-B Long shaft agitator – 140 RPM

NEW



Available Ex version



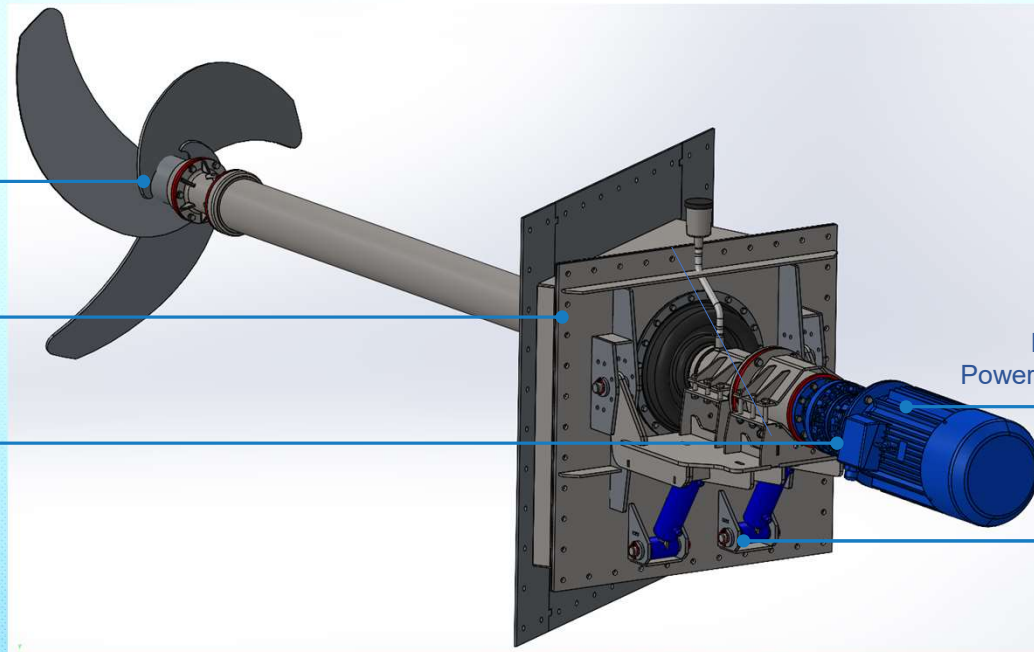
3-blade propeller
AISI 304L stainless steel
Ø up to 1300 mm

Transmission pipe
AISI 304L stainless steel

Planetary gearbox
140 RPM

Electric motor
IE3 Premium Efficiency
Power 11 - 15 – 18,5 - 22 kW

Adjustment
0 – 30° Vertically



Available lenght range 2 – 3 – 4 mt

