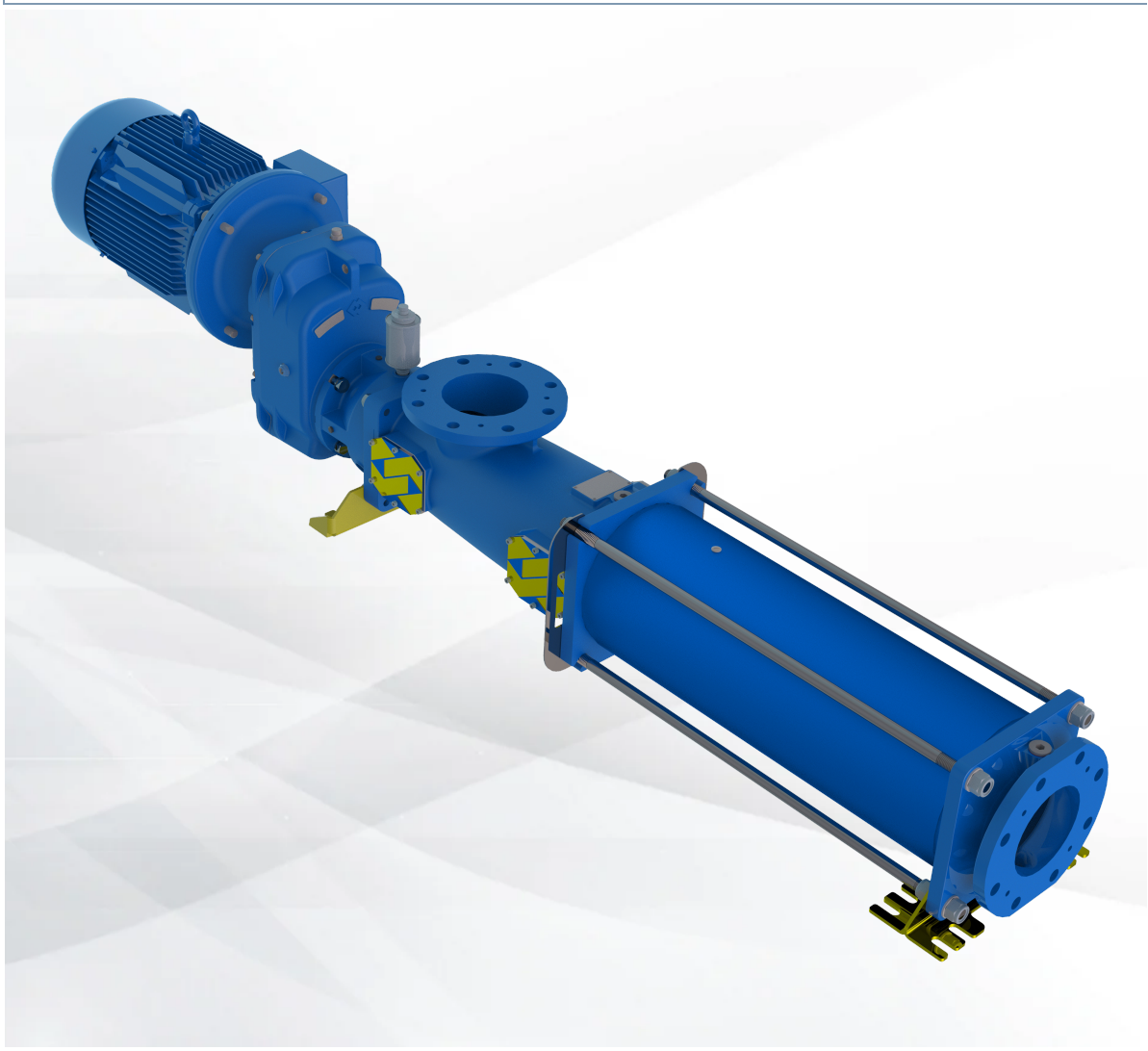
LIVESTOCK FARMING & BIOGAS

Progressive Cavity Pumps

PCP





WAMGROUP®

SAVECO®

EFFICIENT, SAFE, RELIABLE

The CHIOR® PCP pump is designed for the transfer of liquids, including those with high viscosity, with or without suspended solids.

It ensures effective pumping of non-homogeneous liquids, making it ideal for water treatment plants, biogas plants, and farms.

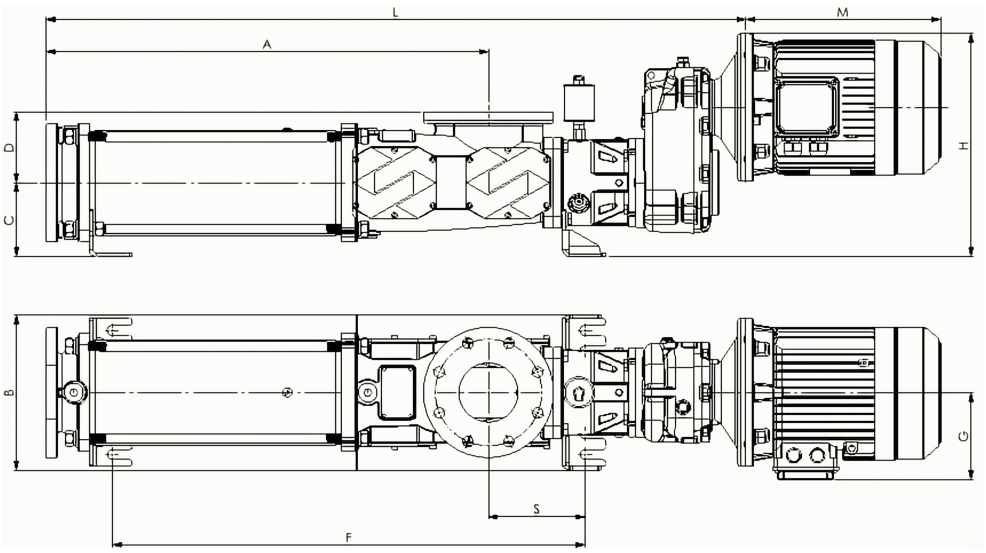
Depending on your media type, we offer two PCP variants:

- **PCP "Standard" :** for high flow rate capacity needs, low viscosities, low-abrasive liquids
- **PCP "Heavy Duty" :** for abrasive liquids and increased viscosities

Range - Performance

MODEL	RPM	Features	PCP 60	PCP 80	PCP 90	PCP 100	PCP 110	PCP 125
PCP Standard 50Hz	204	Motor power (kW)	2,2	4	5,5	7,5	11	15
		Capacity (m^3/h)	9	22	31	43	58	82
PCP Heavy Duty 50Hz	116	Motor power (kW)	1,1	3	4	5,5	7,5	11
		Capacity (m^3/h)	5	11	16	22	30	44
PCP Heavy Duty 60Hz	139	Motor power (kW)	1,5	3	4	5,5	7,5	11
		Capacity (m^3/h)	6	14	20	28	36	52

Overall Dimensions



Motor & Gearbox

Drive Power (kW)	Motor weight (kg)	M (mm)	G (mm)
1.1	23	305	165
1.5	27	335	
2.2	36	370	180
3	40		
4	50	410	190
5.5	76	400	210
7.5	81	440	
11	130	540	255
15	145	590	

Machine body

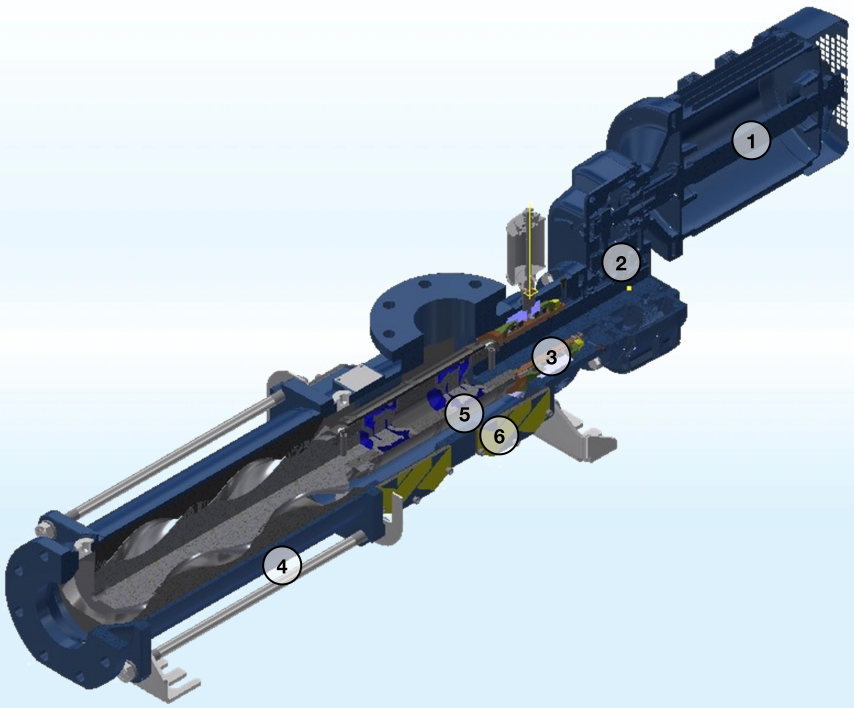
TYPE	Flange DN (mm)	Weight (kg)	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	H (mm)	L (mm)	S (mm)
PCP 60	DN65/PN16	113	650	262	125	110	701	377	1,085	163
PCP 80	DN100/PN16	132	748			120	799		1,183	
PCP 90	DN150/PN16	174	891	302	150	140	967	438	1,396	192
PCP 100		190	951				1,027		1,456	
PCP 110		289	1,070	372	160	165	1,164	509	1,690	225
PCP 125		327	1,231				1,325	553	1,852	

Benefits

- **Sturdy design ensuring high durability for long-lasting performance**
- **Easy maintenance with large openings, multiple drains, and cleaning connections for efficient upkeep**
- **High suction capacity and effectiveness thanks to optimised pumping units**
- **Optimised design enabling continuous, low-pulsation delivery, minimising turbulence and clogging**
- **Space-saving solution with compact, one-piece design for efficient use of space**
- **Modular design offering high flexibility, reducing the need for spare parts and enabling easy customisation**

Technical Features

- Max. slurry temperature: 55 °C
- Max. solids size: 12 ~ 24 mm
- pH of treated liquid: 6 ~ 9
- Self-priming capability up to 9 m (in clear water)
- Standard operating pressure: 3 bar
- Dry-running protection set-up by a drilled bore in the stator
- Pressor sensor device setup



1. IE3 WAM electric motor for enhanced energy efficiency
2. Parallel axis WAM gear reducer with built-in bearing bracket to absorb radial and axial forces
3. Mechanical seal (different design available specific in according to the applications)
   S = double acting oil lubricated mechanical face seal
   W = single acting mechanical seal
   ***
4. Low wear stator
5. Rotor with built-in cutting blades made of hardened tool steel.
6. Universal cardan joint surrounded by a fiber-reinforced sleeve.

***S = double acting oil lubricated mechanical face seal
- Resistant against fibers and foreign bodies (e.g. sand etc.)
- Pressure in pump housing -0,8…+1,0 bar

***W = single acting mechanical seal
- Resistant against low dry matter content and other contaminants (oil, grease, low levels of chemical, organic, and inorganic contaminants)
- Pressure in pump housing -0,5…+6,0 bar

Options

- Pressure sensor with ceramic membrane G¾

Application







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