



# PRESSURA

## PUMPS & ACCESSORIES



### **PRESSURA - The SUMA among the pumps**

Innovation and the quest for the perfect solution: PRESSURA complements the existing portfolio optimally. You can rely on the familiar SUMA quality, durability and easy handling.

The PRESSURA pumps are available as long-shaft pumps (LW) or submersible pumps (TP). It is suitable for a wide range of applications in the biogas and agricultural sector. An extensive array of accessories allows the pump to be optimally adapted to your application.

Stirring, Mixing, Homogenizing, Pumping and Filling - the PRESSURA pump program easily meets the requirements of reliable pumping technology.



The pump range is suitable for pits and tanks with a depth of 1.5 - 8.0 m:

- Closed tanks
- Open tanks
- Steel tanks
- Open lagoons



# Overview

## Impeller

Impeller standard



Impeller with cutting function

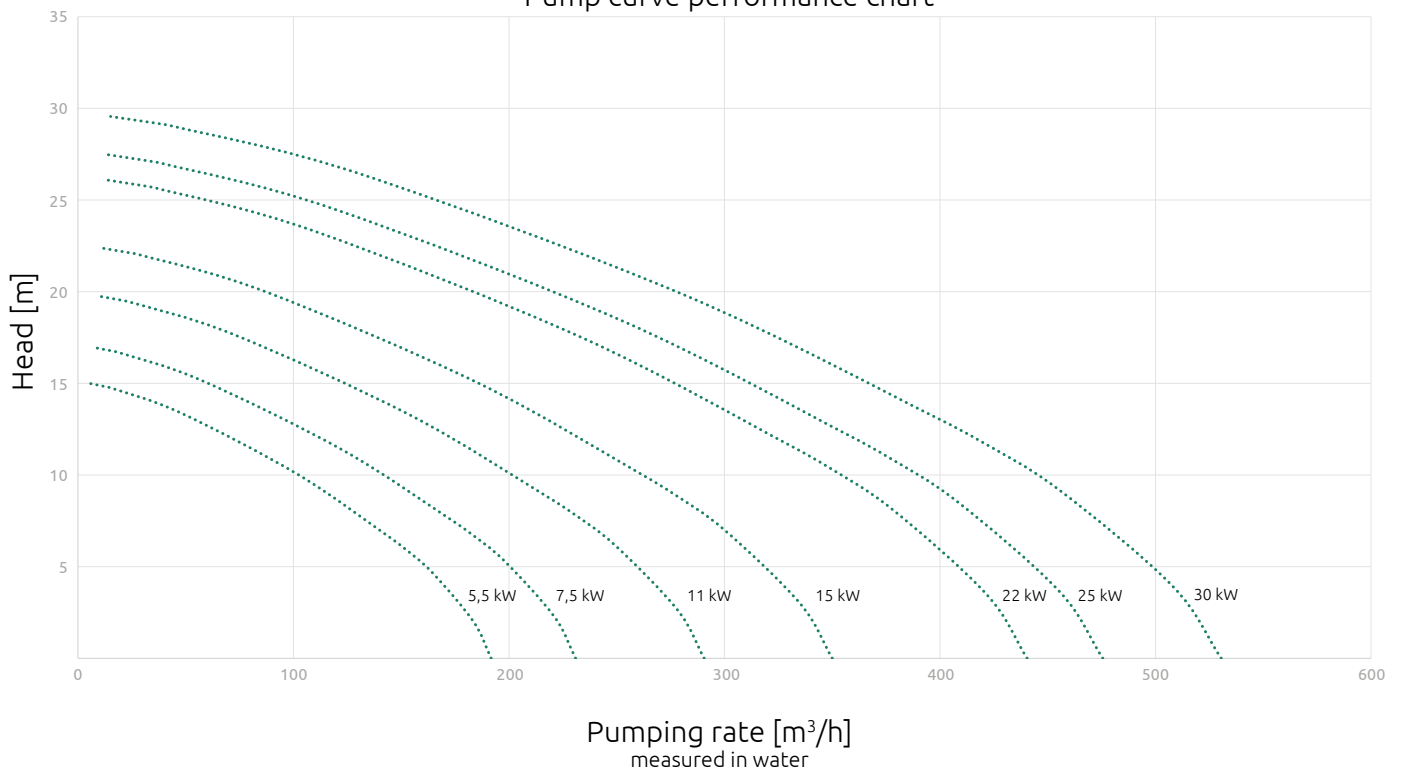


Impeller with cutting function and propeller



## Performance Chart

Pump curve performance chart



## Technical data

Type	Rated power [kW]	Rotation speed [rpm]	Max. pumping rate [m³/h]	Max. head [m]	Ø Impeller [mm]	Flange connection [DN]
TP / LW 55	5.5	1,458	192	15	200	100
TP / LW 75	7.5	1,458	231	17	211	100
TP / LW 110	11.0	1,458	291	20	235	125
TP / LW 150	15.0	1,458	350	22	250	125
TP / LW 220	22.0	1,458	440	26	270	150
TP 250	25.0	1,458	476	27	277	150
LW 300	30.0	1,458	531	30	287	150



### PRESSURA TP

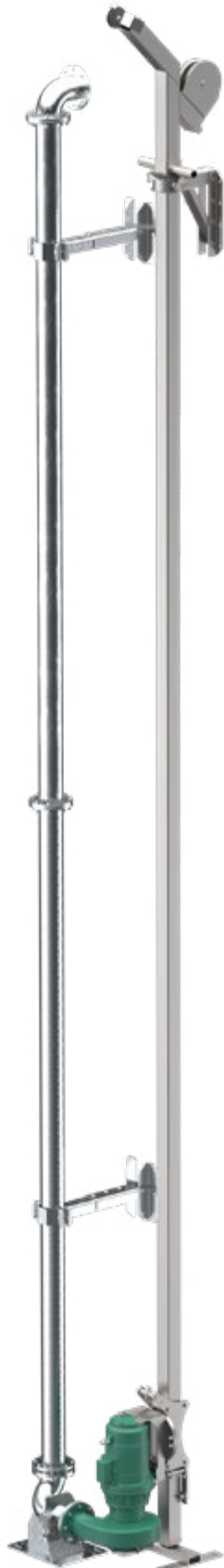
The SUMA submersible pump is available in power ratings between 5.5 kW and 25.0 kW.

#### Equipment

- Vertical adjustment with rope winch
- Horizontal adjustment up to  $\pm 60^\circ$
- Mechanical seal SiC/SiC
- PTC thermistors 130°C as overheat protection

#### Accessories

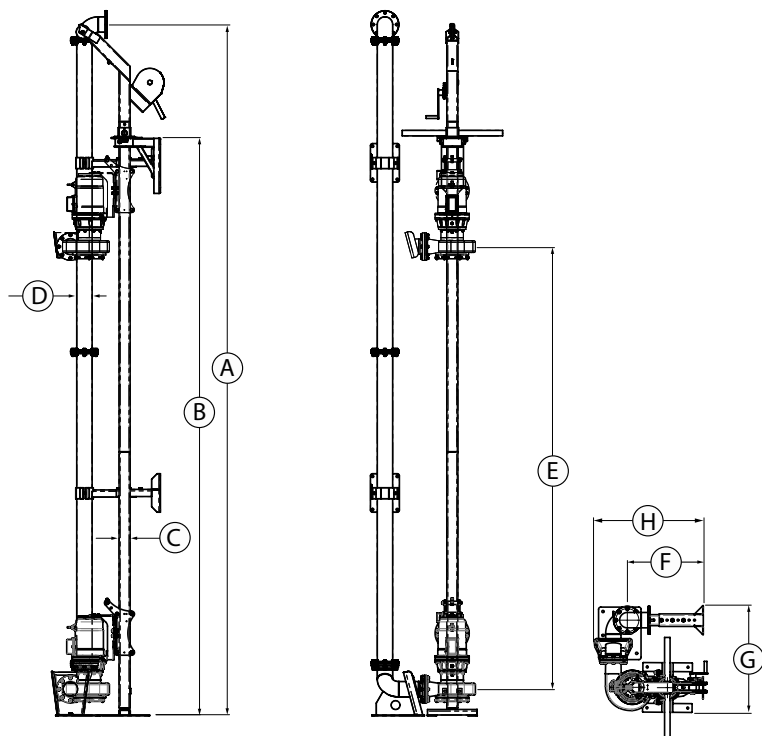
- Highly recommended: Soft start, Frequency converter
- Optional: Star-delta switch
- Quick coupling with flange for easy connection of the pressure line



The proven suspension mounting frame EV3 with 4-roller guide enables smooth height adjustment and is compatible with all SUMA submersible pumps.

# Submersible pumps

## Dimensions



Type	A* [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]
TP 55 / 75	3,000	2,000	100	114.0	0	450	965	765
	-	-			-			
	9,000	8,000			6,600			
TP 110 / 150	3,000	2,000	100	139.7	0	690	970	990
	-	-			-			
	9,000	8,000			6,600			

\* in 250 mm steps

## Application





### PRESSURA LW

The SUMA long-shaft pump is available in power ratings between 5.5 kW and 30.0 kW.



#### Equipment

- Oil inspection glass for monitoring the tightness
- Mechanical seal SiC/SiC
- PTC thermistors 160°C as overheat protection
- Optional: Motor in Ex-version for Ex-zone 2

#### Accessories

- Highly recommended: Soft start, Frequency converter
- Optional: Star-delta switch
- Quick coupling with flange for easy connection of the pressure line
- Three-way-valve to control the flow stream



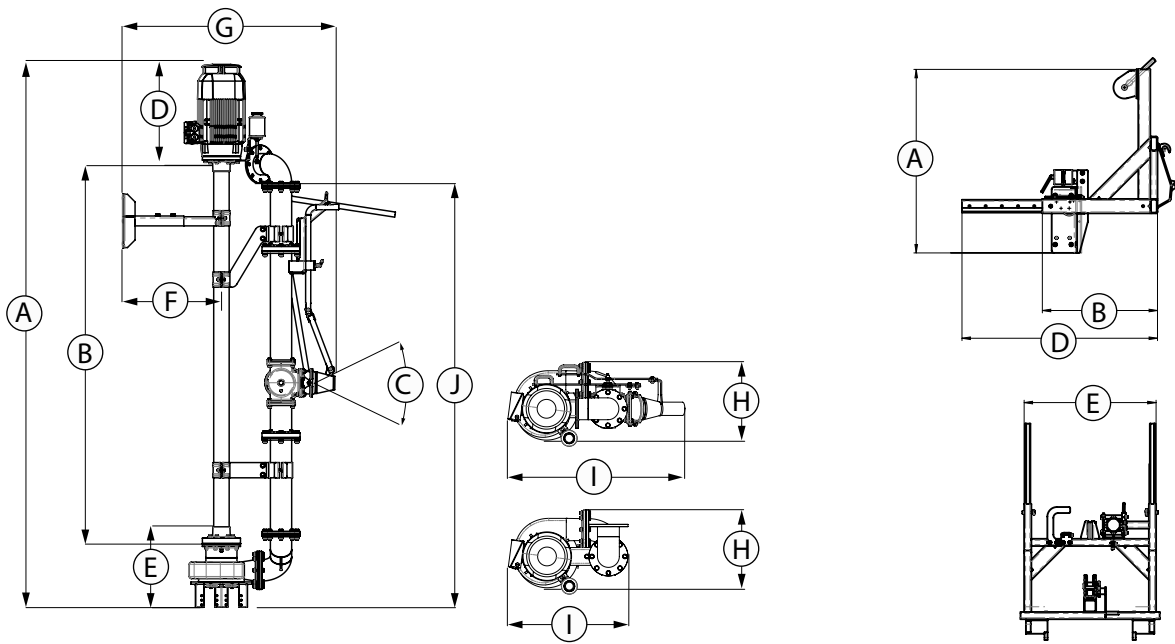
For flexible use of the long-shaft pump, a lifting frame with Euro mounting is available. This allows easy transport, lowering and lifting of the pump.



The optional available nozzle is vertically  $\pm 25^\circ$  and horizontally adjustable. The height of the nozzle mounting can also be selected as required.

# Long-shaft pumps

## Dimensions



Type	A [mm]	B* [mm]	C [°]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	J*** [mm]
LW 55 / 75	2,310 - 5,880	1,500 - 5,000	50°	440 / 510	425	300 - 410	1,210 - 1,320	550 / 510**	1,155 / 700**	1,500 - 5,500
LW 110 / 150	2,580 - 9,080	1,500 - 8,000	50°	630	460	330 - 450	1,270 - 1,380	550	1,150 / 800**	1,500 - 8,500
lifting frame	1,530	960	-	max. 1,630	1,100	-	-	-	-	-

\* in 500 mm steps

\*\* without nozzle

\*\*\* in 250 mm steps

## Application



## Contact



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