LIVESTOCK FARMING & BIOGAS

Submersible Agitators

SE







CERTIFIED

WAMGROUP®

SAVECO®

HIGHLY EFFICIENT, RELIABLE AND EASY TO INSTALL

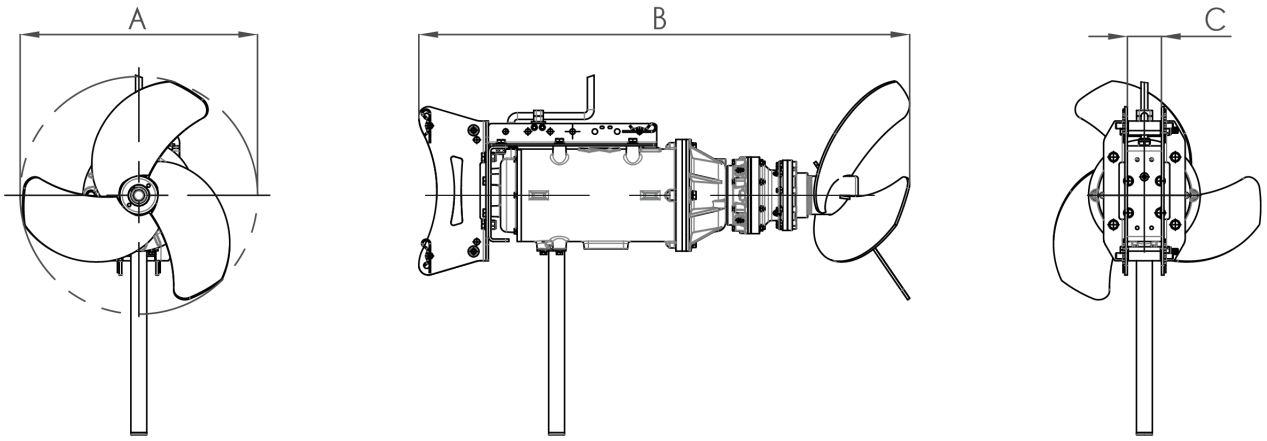
CHIOR® SE Submersible Agitators are applied for mixing livestock effluents in open tanks as well as fermentation residues in anaerobic digesters.

The particular shape of the stainless-steel propeller guarantees high mixing efficiency even with effluents with a high solids content.

Each agitator model is modular with different propeller shapes and sizes to maximise the ratio between performance and energy consumption.

Equipped with an adjustable stainless steel bracket, CHIOR® SE Submersible Agitators enable quick installation on a vertical pipe.

Technical Data

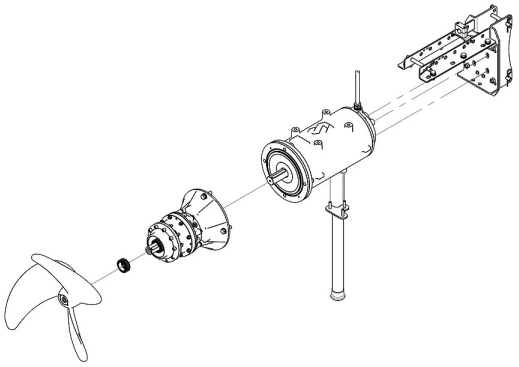


MODEL	Drive Power (kW)	RPM	Weight (kg)	Dimensions A (mm)	Dimensions B (mm)	Dimensions C (mm)
SE-022	2.2	250	120	510	1,005	80 - 100
SE-030	3.0		140	560	1,025	
SE-040	4.0		150	570	1,045	
SE-055	5.5		165	645	1,275	
SE-075	7.5		170	710	1,295	
SE-110-LE	11.0	140	320	1,000	1,685	100 - 120
SE-150-LE	15.0		330	1,100	1,765	
SE-110-ST	11.0	280	300	650	1,485	
SE-150-ST	15.0		320	740	1,545	
SE-185-ST	18.5		330	770	1,555	
SE-220-ST	22.0		340	800	1,570	
SE-110-VE	11.0	355	290	530	1,440	
SE-150-VE	15.0		305	590	1,465	
SE-185-VE	18.5		315	610	1,485	
SE-220-VE	22.0		325	710	1,505	

Dimensions in mm

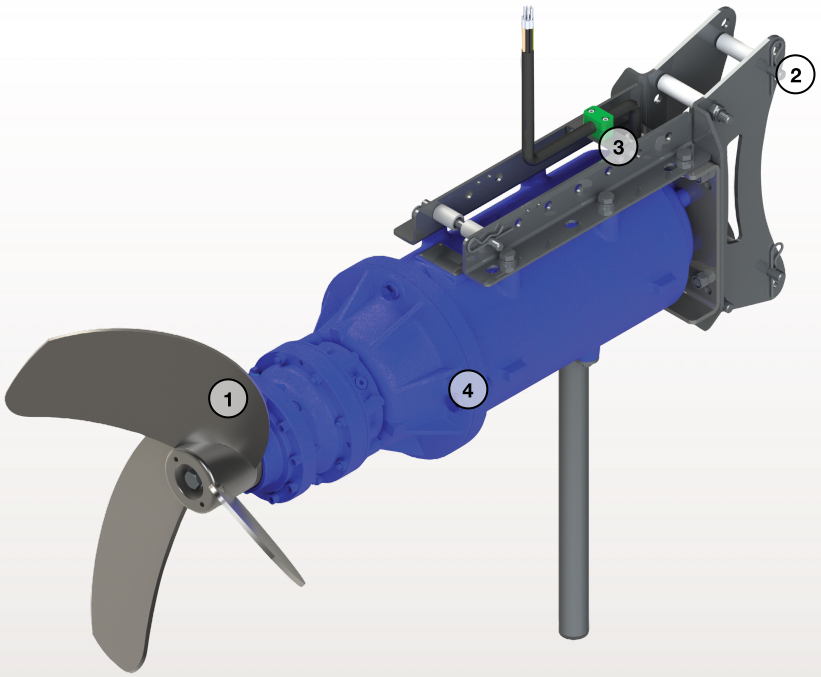
Benefits

- **High efficiency with very low energy consumption thanks to modern, innovative propeller design**
- **Wide power spectrum according to speed selection, drive power and propeller diameter**
- **Engineered 3-blade propeller with high mixing effect**
- **Easy maintenance thanks to modular design**



Technical Features

- Cast iron body
- Submersible IE3 motor (Premium Efficiency)
- 3-phase, 4-pole, insulation class F electric motor
- IP68 motor protection
- Thermal probe to prevent overheating of electric motor
- Cemented carbide mechanical seals
- Self-lubricating radial roller bearings
- NBR O-ring seals
- EM7 rubber-sheathed cable with stainless-steel cable gland
- Adjustable 304 SS support frame suitable for various pole sizes
- Stainless-steel limit switch foot
- Ex CERTIFIED version available





Engineered 304 SS three-blade propeller



Innovative support bracket improving the sliding of the most robust agitators (available for SE range 11-22 kW)



Electrical cable with strain relief system



Planetary gears in oil-bath

Product Range Performance

MODEL	RPM	Mixing results*: Thrust up to (N)	Mixing results*: Flow rate up to (m^3/h)	Suitable for
SE 022 - SE 040	250	900	2,650	livestock sector
SE 055 - SE 075		1,650	4,300	livestock and biogas

SE Range 2.2 - 7.5 kW

SE Range 11 - 22 kW

MODEL	RPM	Mixing results*: Thrust up to (N)	Mixing results*: Flow rate up to (m^3/h)	Suitable for
SE Slow (LE)	140	6,000	16,000	primary processing of large volumes
SE Standard (ST)	280	5,800	12,000	multiple applications
SE Fast (VE)	355	5,600	10,000	crushing of surface crust

** Values measured with clear water at 20° C.*

Results may vary by changing the operating conditions depending on density, viscosity and dry matter content.

The information and illustrations are not binding.

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