

Slow
agitation

Inóx
316L

FLS
propeller

Ø Propeller
up 3 m

Without
maintenance

Three-phase
and
mono-phase
versions

Colberge FLS

The FLS series agitators of very slow speed, provide a suction system or push the liquid depending on the position and direction of the propeller, and are ideal for various applications of flocculation in water treatment plants.

They are industrial agitators with shaft, coupling and propeller type FLS of high performance built in stainless steel AISI316 L.

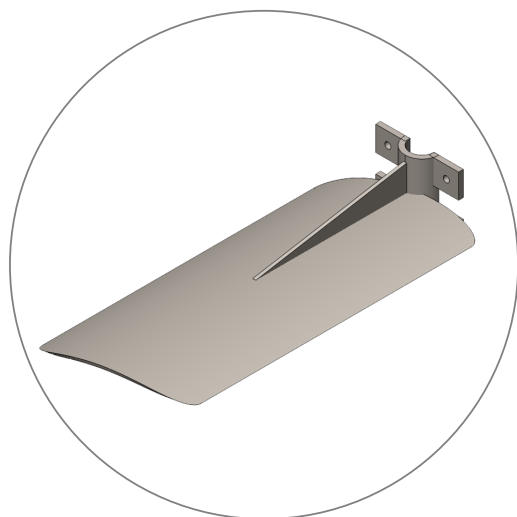
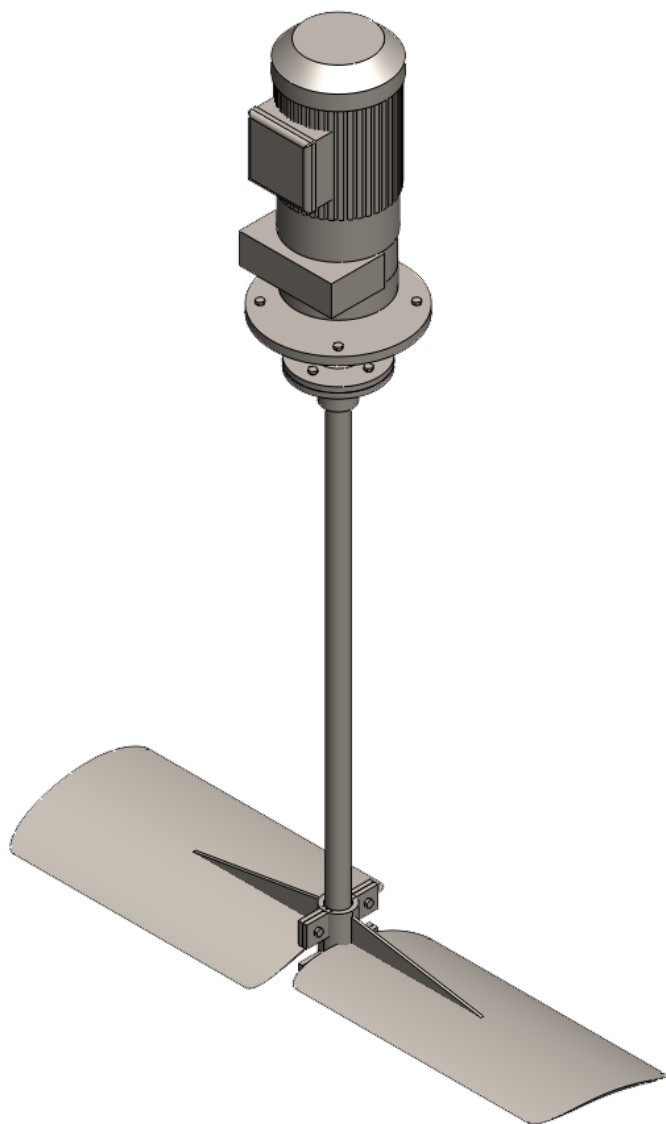
The FLS series has a low power consumption and allows operation to continue even dry as recommended in tanks of variable volume.

The moto-reductor (SEW) used in single phase or three-phase version, are armored, not needing any maintenance over the lifetime. They are protected by RAL 7001 anticorrosive-paint.

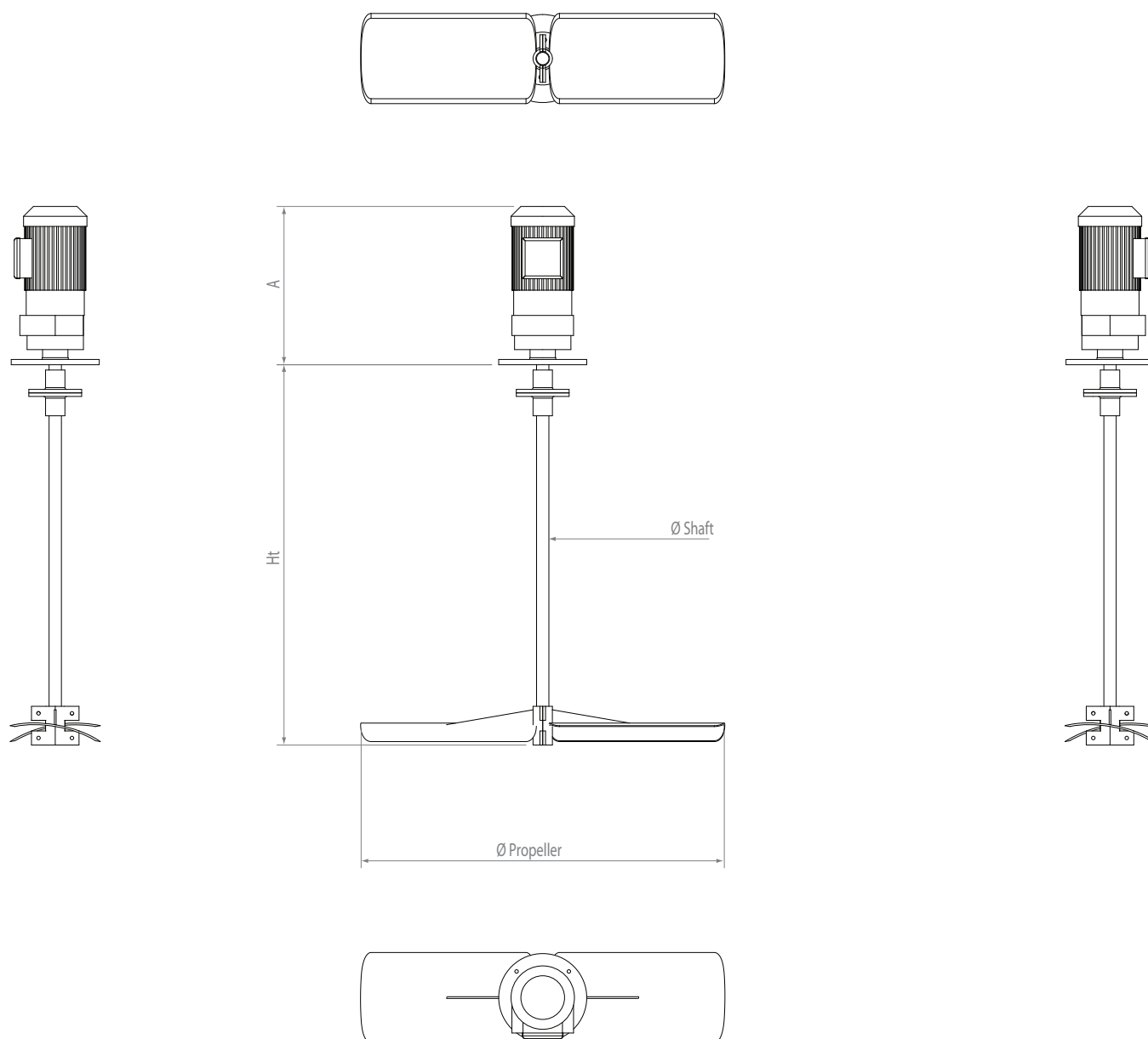
Technical features

In the table shown below are the FLS models, its main characteristics and limits of application according to the geometry of the wave tank, assuming the following assumptions for their design.

- Round or square deposits with anti-vortex side walls and ratio height / diameter <1,5;
- Viscosity and density close to water;
- Propeller located at 0,4 and 0,5 times the height of liquid at the bottom;
- Viscosity and density close to water;
- Agitation liquids compatible with the material of construction (stainless steel AISI 316L).



Views / Dimensions



FLS Series	Model	Power	Rotation	A	Ø E	Ø F	Ø C	Ø Propeller	Ø Shaft	Ht _{max}	Square section	Cylindrical section
		kW	rpm	mm	mm	mm	mm	mm	mm	mm	mm	mm
	FLS 3750	0,37	56	419	200	165	13	500	25	1500	800-1300	800-1300
	FLS 3780	0,37	35	419	200	165	13	800	35	1900	1300-1850	1600-2100
	FLS 37100	0,37	28	419	200	165	13	1000	50	2200	1850-2300	2100-2600
	FLS 37120	0,37	24	419	200	165	13	1200	60	3000	2300-3000	2600-3400
	FLS 55160	0,55	17	510	250	215	13	1600	60	3000	3000-3750	3400-4250
	FLS 55200	0,55	15	510	250	215	13	2000	90	5000	3750-4700	4250-5300
	FLS 75250	0,75	12	640	300	265	13	2500	90	5000	4700-5900	5300-6650
	FLS 110300	1,1	10	690	350	300	13	3000	90	5000	5900-7100	6650-8000

Dts FLS GbDC21052014