

BEDU
≡ P O M P E N ≡

ARUBIX
Company



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Flowmakers

POWER kW: 1,5 ÷ 18,5

R.p.m: 32,3 ÷ 80

An ideal solution to mix and recirculate, produce currents and distribute efficiently the oxygen provided by aeration systems.

Flowmakers are used in wastewater treatment, namely in nitrification, denitrification, activated sludge treatment and disinfection tanks.

These mixers are also applied in industrial mixing, chlorination tanks, and in the digesters of biogas plants used to homogenise, destratify, prevent formation of surface hardpans. The blades are in plastic material, reinforced with fibreglass, and they can be differently sized for further increased usage versatility.

The slow rotation of blade, obtained by application of a reduction gear, makes flowmakers ideal to mix and recirculate, produce currents and distribute efficiently the oxygen provided by aeration systems.

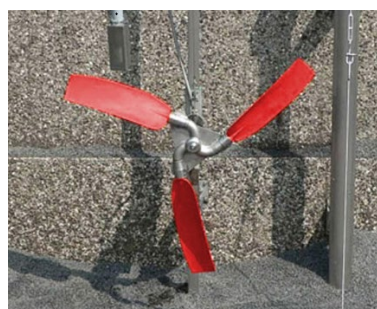
Technical features:

- *Adjustable propeller blade*
- *Two-step planetary gear, oil-filled*
- *Polyamide and fibreglass blades*
- *Propeller hub in stainless steel*
- *Motor housing and planetary gear in cast iron GG25*
- *Screws and motor bracket in stainless steel*
- *Galvanic separation of all built-in parts*
- *Max submergence depth: 20 m*
- *Max solid content in the liquid: 12%*
- *Fluid pH 5÷12*
- *Max temperature of pumped fluid: 40°C*

Motor:

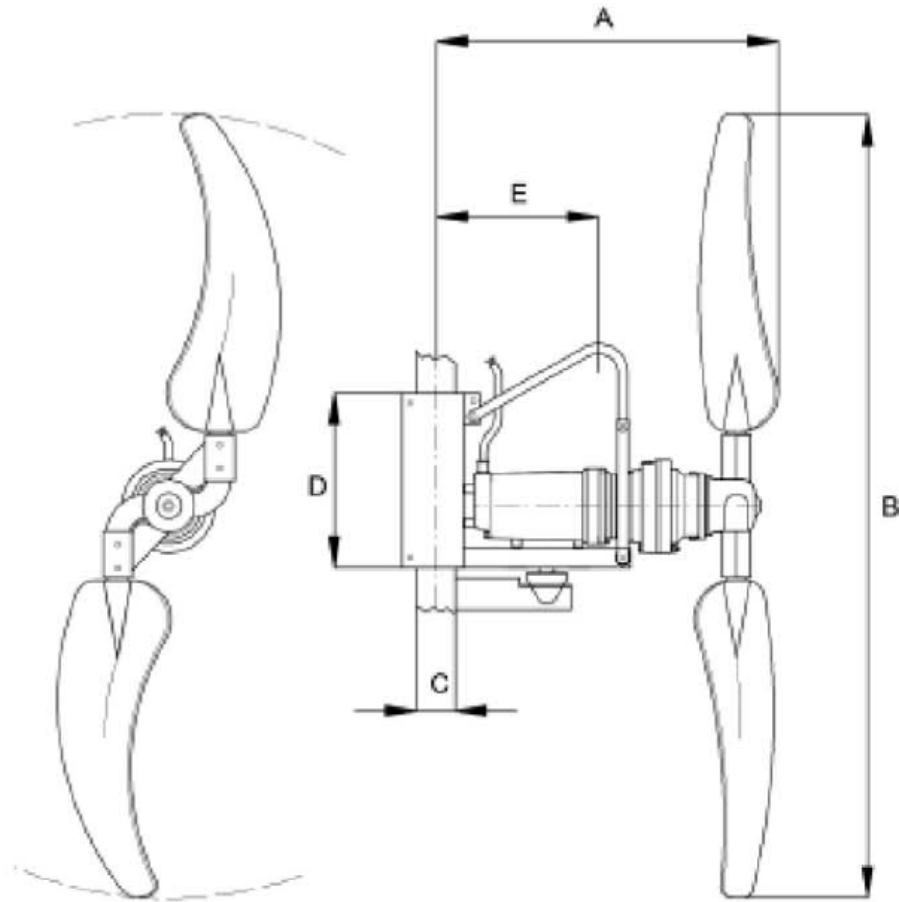
- *Asynchronous three phase electric motors with squirrel cage rotor*
- *N°3 thermic probed installed in the stator winding; in case the temperature exceeds 132°C they cut out power*
- *Protection grade IP 68*
- *Insulation class F*
- *Submersible H07-RN-F neoprene cable*
- *Continuous service*

Flowmaker



DIMENSIONS (mm)

Overall dimensions (mm)						
Type	A	B	∠ C	D	E	Weight Kg
AF 1.5/6	885	2.300	100	450	420	106
AF 2.2/6	885	2.300	100	450	420	107
AF 3/4	885	2.300	100	450	420	122
AF 4/4	885	2.300	100	450	420	125
AF 5.5/4	955	2.300	100	450	445	150



TECHNICAL CHARACTERISTICS

Motor Characteristics - 50Hz - Threephase - Voltage 400 V ±10%								Mixer Characteristics						
Type	Motor Rating	Windings	Absorption I _n	R.p.m.	Feeding Cable			Start		No blades	ø blades	R.p.m.	Capacity	Axial Thrust
					n. cables	n. of wires cable for size mm ²	Cable length	Direct	λ-Δ					
	KW	V	A (400V)				m			mm		m ³ /h	N	
AF 1.5/6	1,5	230-400	4,2	925	1	9x1,5	10	∩		2	2300	32,3	10.470	1.016
AF 2.2/6	2,2	230-400	5,9	940				∩						
AF 3/4	3,0	230-400	6,8	1.420				∩		3	2300	34,1	15.556	2.229
AF 4/4	4,0	400-690	9,1	1.405				△	λ-Δ					
AF 5.5/4	5,5	400-690	12,5	1.405				△	λ-Δ	3	2300	34,4	18.090	3.041



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