

## SUBMERSIBLE AERATORS

### Oxygenation

#### DESCRIPTION

EQUIP AIR is a submersible aerator used in applications where it is required the air supply in tanks in sewage treatment plants. The aerator installation is very simple and does not require, in many cases, none of civil work as it is rested on the bottom of the basin and, by means of its weight, the stability is guaranteed.

As the fixing point, we recommend the use of a rope connected to the self-priming pipe, fixed on the wall of the basin, to ensure to maintains the perpendicularity of the pipe. Both the installation and removal of the equipment, if necessary, can be carried out with the full tank.

#### APPLICATIONS

- Homogenization and equalization tank
- Biological oxidation tank
- Stabilization tank
- Oxidation and nitrification tank



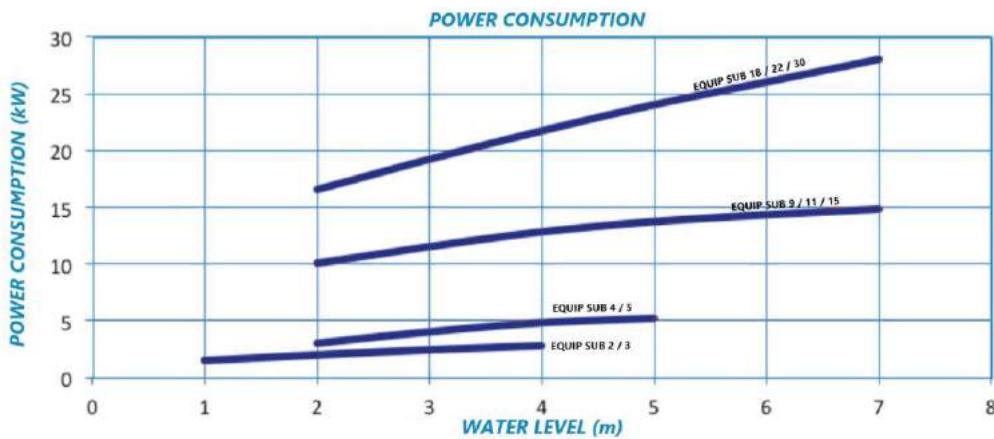
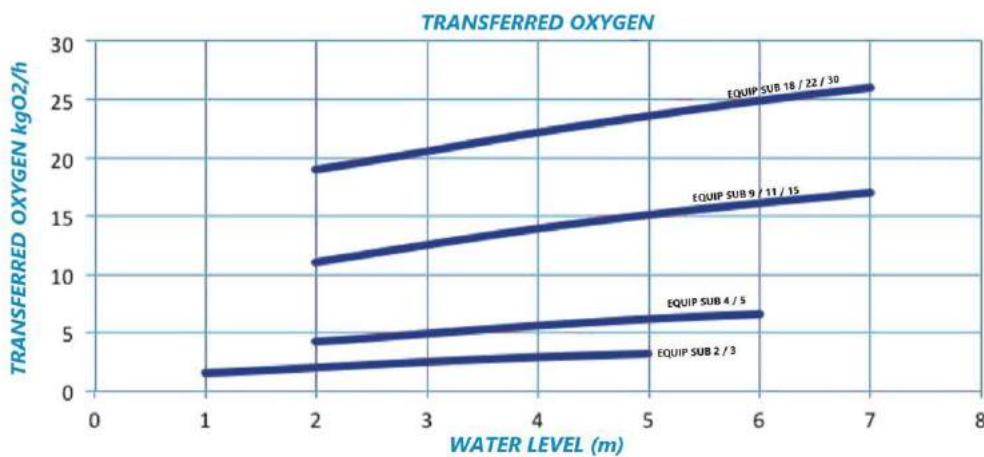
#### BENEFITS

- ➔ Optimal oxygenation with high returns
- ➔ Easy installation and maintenance
- ➔ Versatility of usage in any type of tank
- ➔ Noiseless
- ➔ Stainless steel construction for longer life a better resistance to corrosion.

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#### TECHNICAL CHARACTERISTICS

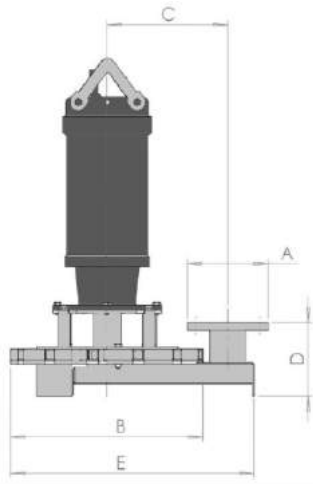


Model Submersible	Power kW	Nb Poles	RPM	Current Amps	Max water level meters	Weight Kg
2	2,2	4	1385	5,4	3	75
3	3,1	4	1395	6,9	3,5	80
4	4	4	1400	9,3	4	120
5	5,5	4	1410	12,2	4,5	130
EQUIP AIR 9	9	4	1435	20,1	4	280
11	11	4	1435	22,4	5	290
15	15	4	1450	32,5	6,5	300
18	18,5	4	1455	40,8	5	400
22	22	4	1460	44,3	6	420
30	30	4	1460	56,7	7	440

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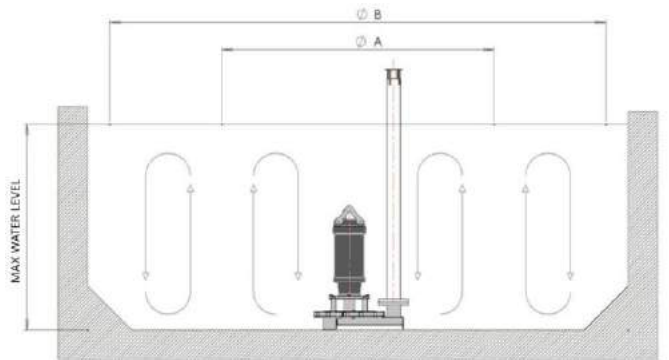
### DIMENSIONS



Model <i>Submersible</i>	Dimensions (mm)					
	A	B	C	D	E	
EQUIP AIR	2	DN50	380	150	184	480
	3	DN50	380	150	184	480
	4	DN80	480	300	184	605
	5	DN80	480	300	184	605
	9	DN100	700	400	184	885
	11	DN100	700	400	184	885
	15	DN100	700	400	184	885
	18	DN125	1000	600	240	1150
	22	DN125	1000	600	240	1150
	30	DN125	1000	600	240	1150

### STANDARD MATERIALS

- Hydraulic part: Stainless steel 304
- Impeller: Stainless steel 316L
- Bolts and nuts: Stainless steel 304
- Motor case: Ghisa G25
- Electric cable: H07RNF



### AREA OF INFLUENCE

Model <i>Submersible</i>	Area of influence standard (m)		Area of influence extended channel (m)		
	A	B	A	B	
EQUIP AIR	2	2.5	4.5	2.7	4.9
	3	2.5	4.5	2.7	4.9
	4	3.1	7	3.9	8.3
	5	3.1	7	3.9	8.3
	9	5	10.5	7.2	12.5
	11	5	10.5	7.2	12.5
	15	5	10.5	7.2	12.5
	18	6.5	14	8.4	15.2
	22	6.5	14	8.4	15.2
	30	6.5	14	8.4	15.2