



JA

JA Submersible jet aerator



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Features

High efficiency oxygen dissolving

It has unique design for gas mixture chamber whose intake air quantity is big. Air can be mixed well with water, and it can produce minute and plenty of air bubble with high air dissolving rate.

Intensive mixing

The pressure produced by impeller through jet hole produces forceful water flow, which realizes jet after mixed with air to make oxygen move efficiently in water and at the same time achieve good mixing effect, which can maintain the flow rate necessary for activated sludge floating.

Quiet and noise-free

The machine unit is designed to run in water with low winding number and low noise: overland air-intake duct can be additionally equipped with silencing equipment. Cost can be reduced since no other anechoic room is required.

Easy for installation and maintenance

There are two types for your selection: equipped with or without automatic attach device. Easy for installation and maintenance, saving operation cost.

Automatic attach device

This equipment is composed of induction duct, directing plate, the attach-unit. During maintenance of equipment, the pump can be directly pulled out from water through induction duct along with the attach device.

Wide range of service

It is widely used in industrial wastewater treatment, effluent treatment of livestock husbandry and general foul sewer aeration engineering, aeration tank of effluent facilities of factory applied with activated sludge method. It can be used either individually or in a combined way.

Constructive specification

This submersible jet aerator adopts specially designed aeration pump, which forms the integral unit with air bubble generating section and automatic attach device.

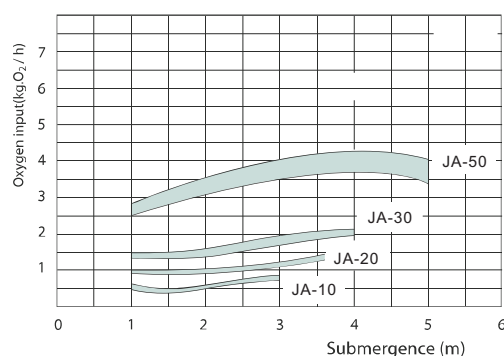
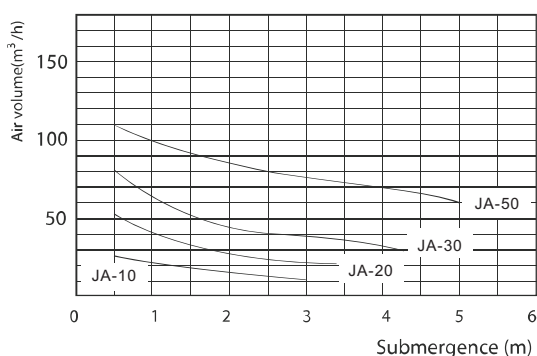
Special aeration pump

Special aeration pump uses high-performance impeller, which does not block fouls. Therefore, it has long service life.

Air bubble generating section

This section is composed of air-inlet duct, nozzle holder, gas mixture chamber and divergent pipe. Water is pumped into gas mixture chamber at high speed from nozzle holder connected to pump outlet. Air is inducted into gas mixture chamber through air-inlet duct and is mixed with water flow, then exhausted through divergent pipe.

Performance curves

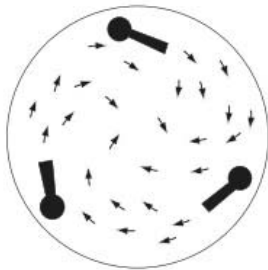


Specifications

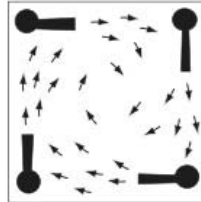
Type	Power		Air Capacity-Water depth m³/h-m	Oxygen transfer capacity kg.O₂/h	Basin dimensions			Workable water depth (m)
	HP	KW			L(m)	W(m)	H(m)	
JA-10	1	0,75	11-2	0.35-0.45	3	2	4	1-3
JA-20	2	1,5	22-3	1.0-1.2	4	3,5	4	1-3
JA-30	3	2,2	37-3	1.75-1.95	5	5	4,5	1.5-3.5
JA-50	5	3,7	75-3	3.5-3.95	6	6	5	2-4



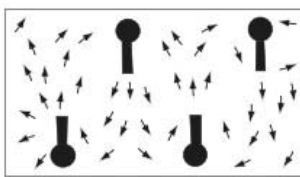
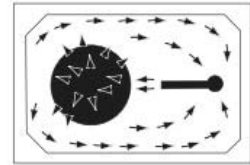
Reference diagram of configuration



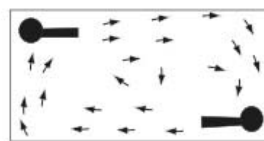
Round tank



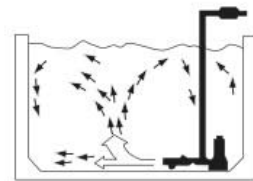
Square tank



Rectangular tank
(Length:Width=2:1)

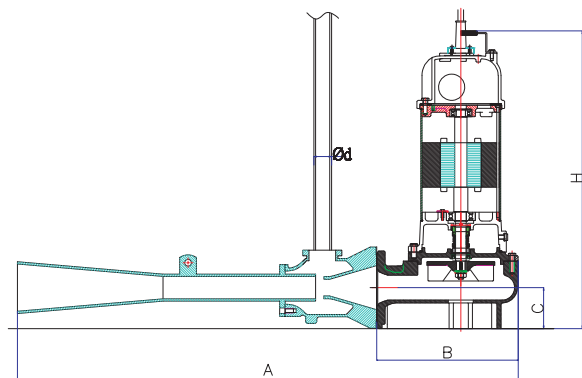


Rectangular tank
(Length:Width=5:1)



Dimensions (without autosetter)

Type	Dimensions(mm)				Weight (Kg)
	A	B	C	H	
JA-10	1029	187	74	441	31
JA-20	1097	255	74	517	45
JA-30	1097	255	74	555	46
JA-50	1132	290	74	629	65



Dimensions (with autosetter)

Type	Dimensions(mm)		Weight (Kg)
	A	H	
JA-10	1029	441	36
JA-20	1097	517	50
JA-30	1097	555	51
JA-50	1132	629	70

