



WIND MAXX

SUBMERSIBLE EJECTOR PUMP

WJA-Series



Easy
Installation



APPLICATION
WASTEWATER

WasteWater
Treatment Plant

Wastewater
Treatment Tank



Product for Life

SUBMERSIBLE EJECTOR

WJA - SERIES

Features :

High efficiency oxygen dissolving

It has unique design for gas mixture chamber whose intake air quantity is big. It can be mixed well with water, and 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

Constuction Description and Designed pump

The submersible ejector consists of specially designed pump for aeration. fine bubble generation mechanism, and autosetter device. The pump adopts non-clog, high efficiency

Fine Bubble Generation Mechanism

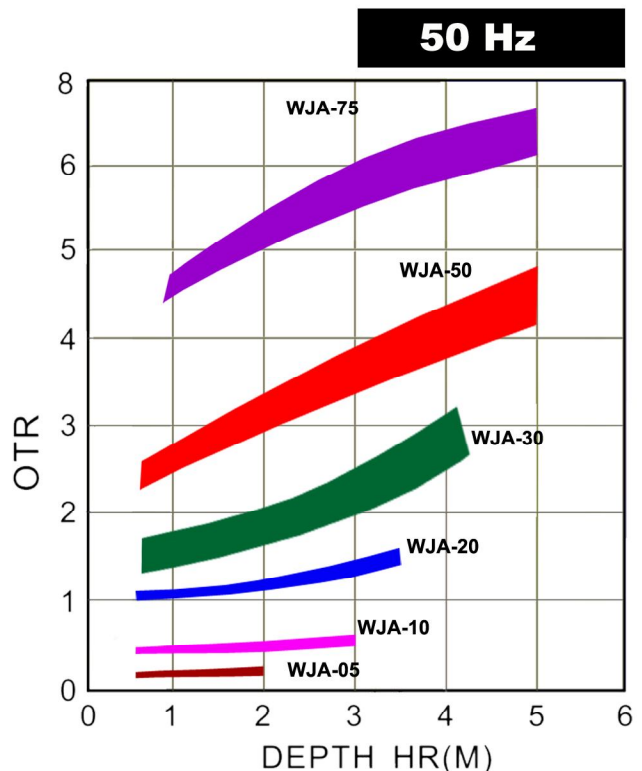
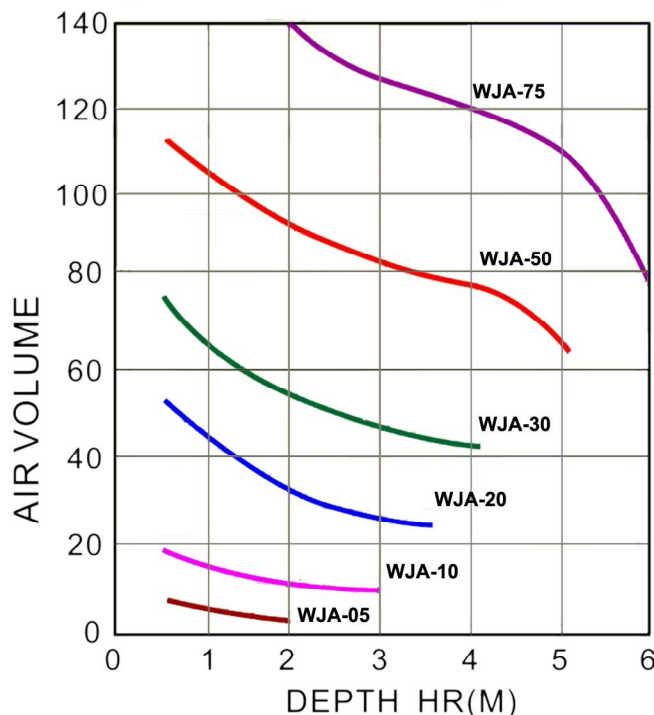
Including air inlet pipe, nozzle, mixing chamber, and diffuser, air is sucked into the mixing chamber, and mixed with water, then discharge through the diffuser

Technical Data :

Speed: 2 Pole dry type motor, with overload protector
 Frequency : 50 Hz
 Insulation : Class F
 Enclosure : IP68
 Safety : Auto matec Overload Protection

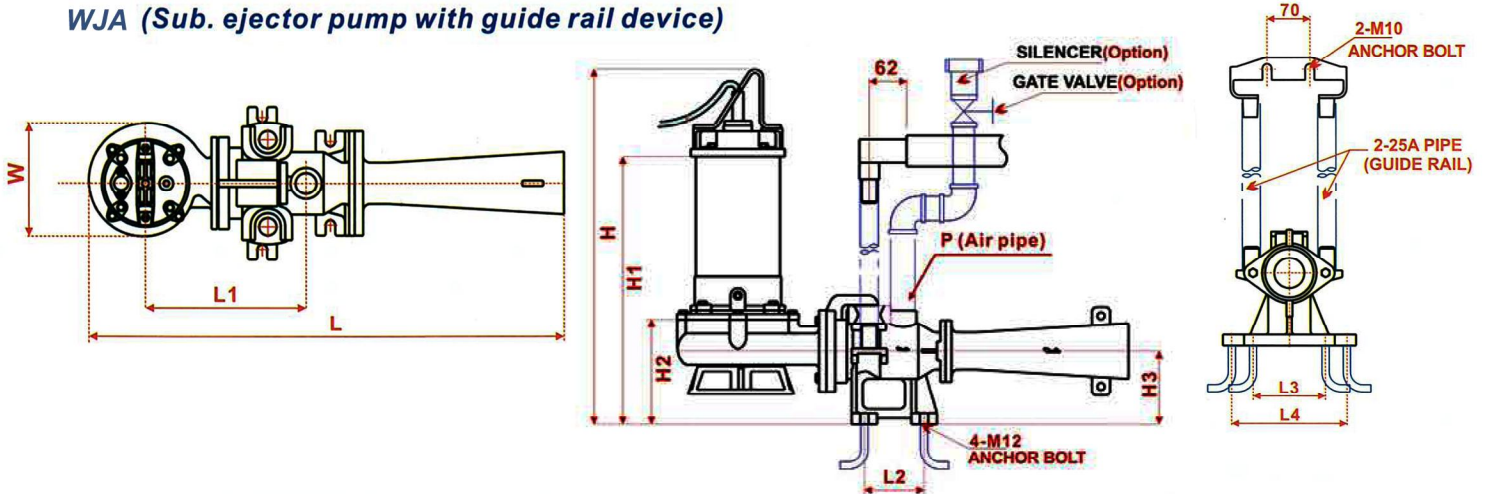


Performance Ranges



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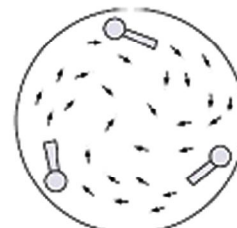
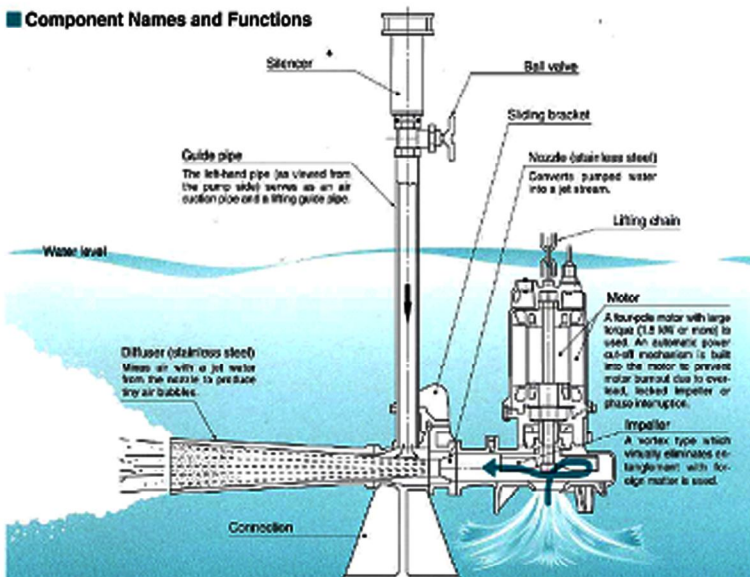
WJA (Sub. ejector pump with guide rail device)



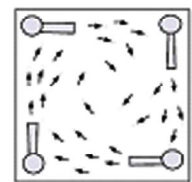
Specifications

Model	HP	Rated			Aeration Tank			Dimension(mm)						
		Air (M ³ /hr)	OTR (Kg-O ₂ /hr)	HR (M)	L (M)	W (M)	H (M)	L	L1	W	H	H2	P	(Kg)
WJA-05T	0.5	5	0.12-0.23	1.5	2	1.8	2	683	231	163	465	168	25A	33
WJA-10T	1	11	0.4-0.5	2	3	2.5	3	683	231	163	519	168	25A	41
WJA-20T	2	28	1.2-1.4	2.5	4	3.5	3.5	753	280	208	596	170	40A	50
WJA-30T	3	45	2.0-2.5	3	5	4.5	4	753	280	208	616	170	40A	52
WJA-50T	5	80	3.5-4.2	3.5	6	5	5	983	480	227	749	280	50A	82
WJA-75T	7.5	120	5.9-6.9	4.0	7	6	6	983	480	227	789	280	50A	88

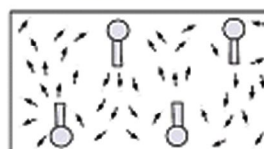
Component Names and Functions



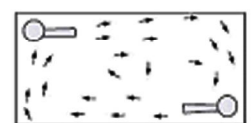
Round tank



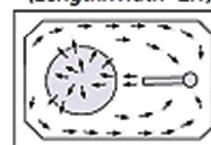
Square tank



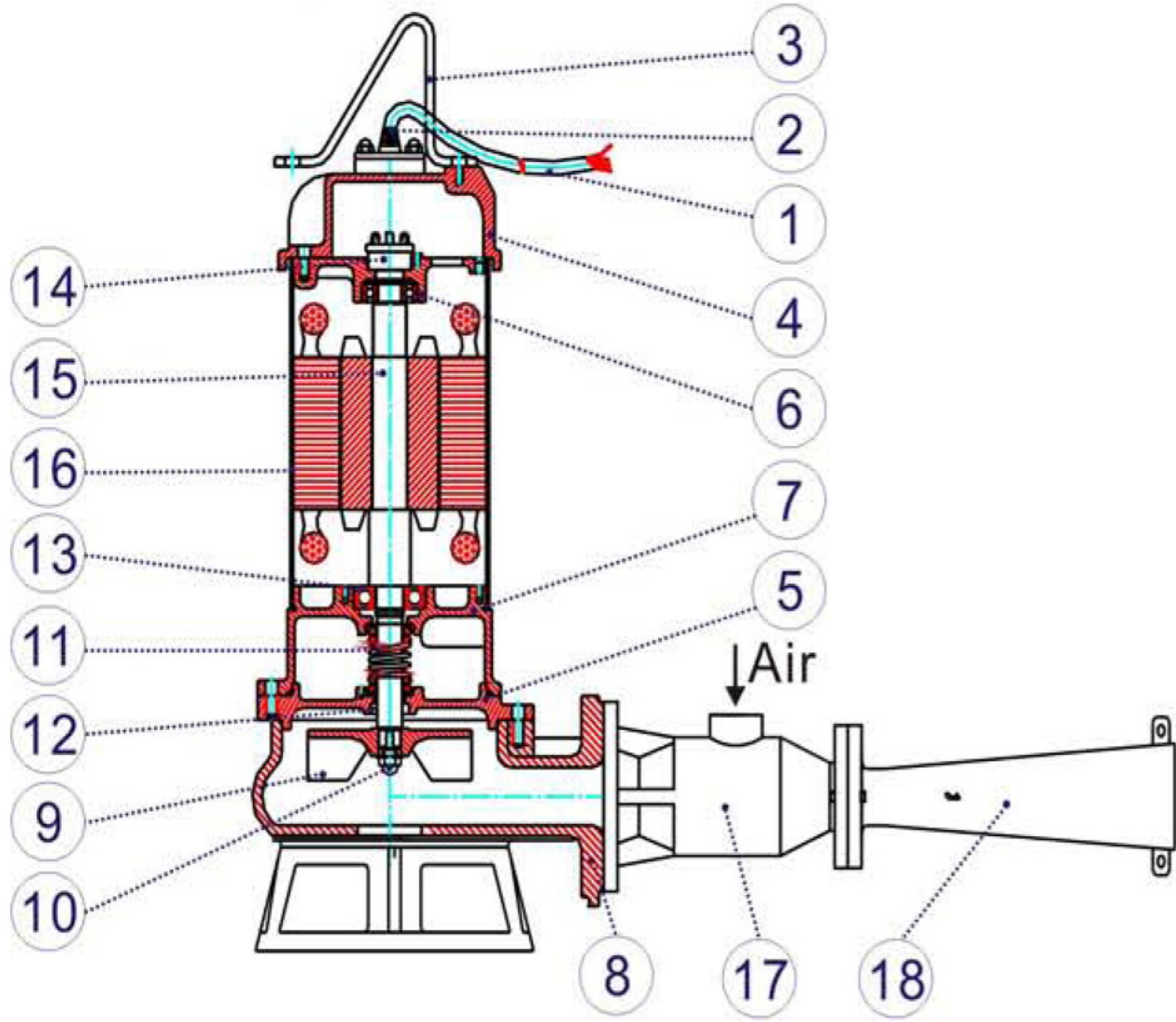
Rectangular tank
(Length:Width=2:1)



Rectangular tank
(Length:Width=5:1)



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Parts and Materials List

No.	Parts	Standard Material	N0.	Parts	Standard Material
1	Cable	STOW	10	Nut	SUS304
2	Cable hood	PVC	11	Mech.Seal	SIC / SIC
3	Handle	Nylon6	12	Oil seal	NBR
4	Motor Cover	FC200	13	Bearing	Ball Bearing
5	Seal Housing	FC200	14	Overload protector	YES
6	Bracket	FC200	15	Shaft	SUS 410
7	Oil chamber	FC200	16	Motor Housing	SUS 304
8	Pump Casing	FC200	17	Aerator	FC200
9	Impeller	FC200			

EQUIPMENT & ACCESSORY

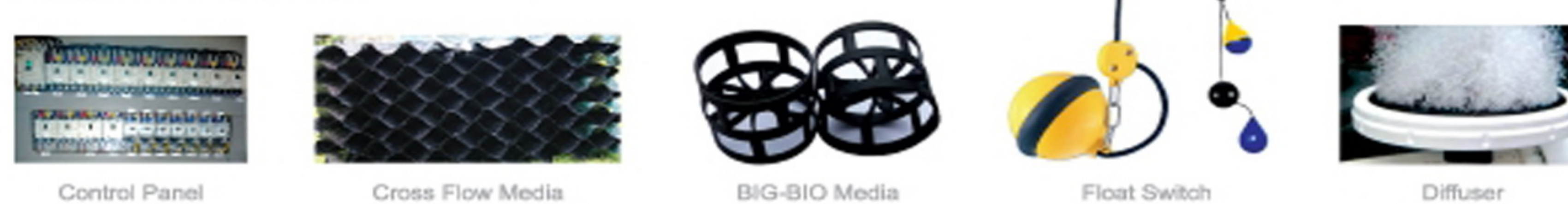
SEWAGE IN EQUIPMENT



AERATION IN EQUIPMENT



ACCESSORY IN EQUIPMENT



WASTE WATER TREATMENT TANK



TRANSFER WATER

