

Introduction

This system innovatively enhances the dissolving of oxygen using minimum power. Power is only needed to circulate the upper layer and lower layer water. Then the circulating water sucks in air from the water surface to the impeller and the impeller agitates “water-air” inside the water.



Advantages and applications

Garam Environmental Technology aerating system can be utilized variety with multiple benefits than any other thing.



AERATING SYSTEM

Features

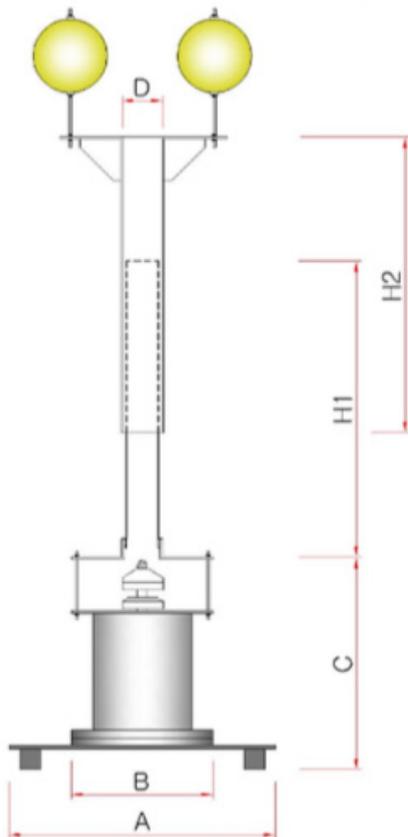
1. There is no noise because it is installed underwater.
2. It is safe and has good appearance due to absence of air transmission pipe.
3. It is easy to maintain and you can reduce installation space and cost because the structure is very simple.
4. The surface of air bubbles increase and the air-water interface is destructed by impeller impact and this leads to the increase of dissolved oxygen.
5. Odor disappears because dead zones are eradicated due to water circulation.
6. Compositions are equivalent within the water because the system sucks suspended solids and these are grinded/mixed by the impeller.
7. Pollutants in the water and micro-organisms have more chance to make contact with each other through circulation and mixing.

	GET AERATING SYSTEM	Conventional Aerating System
Item		
Noise level	Low	High
Air transmission pipe	Not required	Needed
Space requirements	Small	Large
Installation costs	Low	High

Standard Specification

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Model	Output (kw)	Air intake Volume (Nm3/hr)	Water circulation Volume (Nm3/min)	O2 supply capacity (kgO2/hr)	Dissolving rate of Ozone In Water (%)
GA-075	0.75	14.0	0.25	0.8	60
GA-220	2.2	43.0	0.77	2.6	60
GA-370	3.7	78	1.35	4.8	60
GA-750	7.5	163	2.8	9.7	60



Dimension

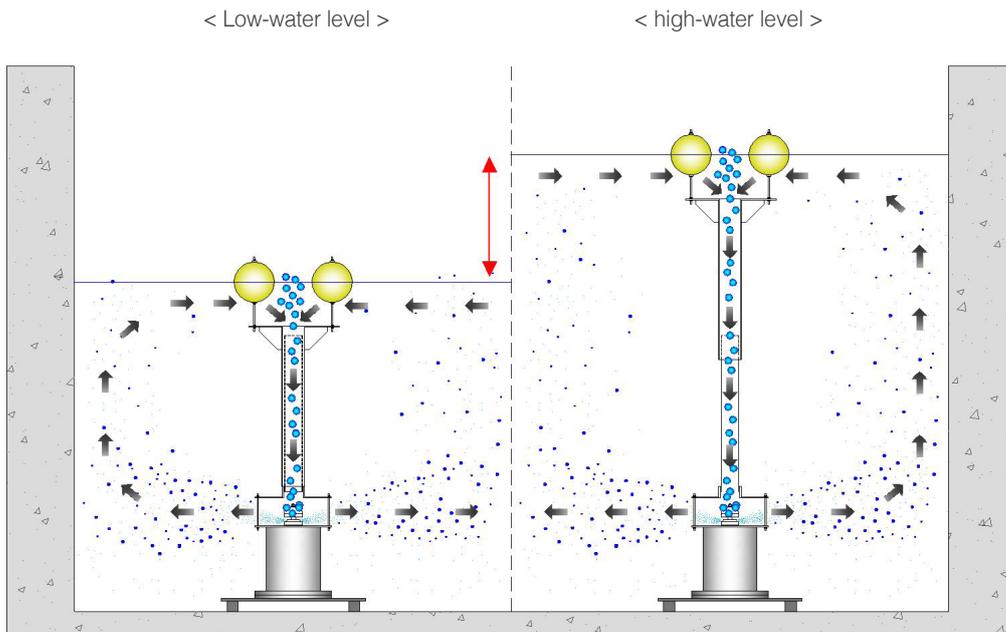
Model	Output		Size (mm)			
	KW	HP	A	B	C	D
GA-075	0.75	1	320	220	375	50Ø
GA-220	2.2	3	390	275	485	80Ø
GA-370	3.7	5	470	330	550	80Ø
GA-750	7.5	10	570	510	700	100Ø

* H1, H2 Size : can be made to order.

AERATING SYSTEM

Function

Auto-adjust pipe : proper height in relation to water-level



GET AERATING SYSTEM is a perfect example of adding performance to efficiency. This system has innovated the essence of a aerating system by adding the powerful grinding to the highly efficient aerator

Unimpeded air-water flow with Powerful grinding

