

# “Aquablaster” Comparison with Similar Products

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# Oxygen Dissolution Efficiency Comparison by Manufacturers

Product Name	Oxygen Dissolution Efficiency at 5.0m of Water Depth	Alpha Value
“Aquablaster “ AL-750	23%	0.7
Similar Product including OHR	10%	No Data
Similar Product including ecorator	13%	0.5

Note:

JIS (Japan Industrial Standard) does not state any standard of Oxygen Dissolution efficiency.

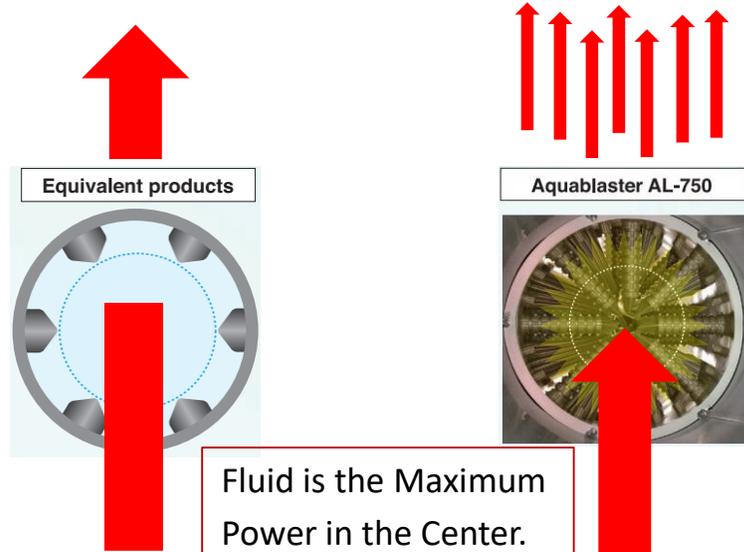
As a result, currently, each Manufacturer measures it independently and publicizes the figures. We calculated oxygen dissolution efficiency in the corner area of a water tank measuring 1,800 width x 1,800 horizontal depth x 5,000 water depth (unit: mm), but the results are only an indicator.

“Aquablaster” never treat clear water.

Please be aware that

not only **“Oxygen Dissolution Efficiency”** is important, but also **“Alpha Value”** is important **for treating Wastewater effectively.**

# How “Aquablaster” is different from other Similar Products?



Only “Aquablaster” has the Patent Blades in the center of the Diffuser that makes Maximum use of property of fluid.

Special Patent Blades breaks Bubble and Sludge, and generates microscopic bubbles with powerful force, and pulverizes Sludges to proper size for Bacteria to eat.



High Oxygen Dissolution Efficiency + High Alpha Value



“Aquablaster” can treat Wastewater most effectively!



As the center is empty, the force of the liquid where it is most powerful will be wasted!



Our patent is for a shape that efficiently utilizes the powerful force in the central area

Japanese Patent No. 4749961

## Improvement Example: Major Chemical Company in Japan (Sept., 2018)

Minutes, 11<sup>th</sup> September, 2018, excerpt:

1. “Aquablaster” was found much more effective after comparing the Diffusers of OHR & ecorator during 4 months period from May, 2018.
2. DO Value was improved substantially.
3. Stirring efficiency was improved more than we expected.
4. We could control MLSS stably.
5. To avoid rumors whispered by the competitors that “Aquablaster” would stuck, we suspended the “Aquablaster” Aeration for 3 weeks intentionally, but “Aquablaster” re-started the aeration orderly without any problems.
6. Alpha Value was measured having tested some similar Diffusers, and “Aquablaster” showed the highest.  
“Aquablaster” **0.7**, the competitors **below 0.5** which was approx. 1.4 times against others.
1. As the result of Alpha Value, 0.7, “Aquablaster” made the wastewater No Hydrogen Sulfide that causes of Odors, and reduced large amounts of sludge.



“Aquablaster” has become Specified Products for replacement of Aeration Diffusers in the future Projects.