

Replacement Cases from the Conventional Diffusers to “Aquablaster”

cYc Century Yamakyu Corporation

The Installation Example of a factory of Paper Industries

The pictures when exchanging the Tube Type Diffusers



Before



After



The Installation Example of a factory of Paper Industries

The problems of Tube Type Diffusers



After installing “Aquablaster”

- ① The Value of DO is decreased in a half year because of Choking
- ② Tube type Diffusers unit cost is low, but their exchange expense and work are very cost
- ③ They need to stop of the production during the exchange the Diffusers

- ① Keep “Aquablaster”'s performance over 10 years
- ② “Aquablaster”'s initial investment is high, but their running cost is very low.
- ③ No need to maintenance of the tank over 10 years

“Aquablaster” solved all the problem.

The Installation Example of Tofu(soybean curd) Factory in Japan



Before



After



Tube type Diffusers:
Units: 304
Air Volume: 40m³/min
(131.5L/min/per unit)

“Aquablaster” Aeration Diffusers:
Units: 54
Air Volume: 40m³/min
(131.5L/min/per unit)

The Installation Example of Tofu(soybean curd) Factory in Japan

The problems of Tube Type Diffusers



After installing “Aquablaster”

- ① Low level of Dissolved Oxygen(DO)
- ② Frequent exchange Diffusers because of Clogging
- ③ Unstable of Treatment Performance
- ④ Odors from Hydrogen Sulfide, Methyl Mercaptan, and etc.

- ① DO average increased: 0.35→0.72
- ② “Aquablaster” never occurs Clogging : Ejection Speed 30.1m/sec, Patented Sludge Breaking Blade
- ③ Keep “Aquablaster”'s performance over 10 years
- ④ No Odors occurs

“Aquablaster” solved all the problem.