Information checklist for free estimate

Please email a copy to us. **info@ohr-labo.com**

Company name				Department	
Person in charge	○ Mr. ○ Ms.	E-mail		TEL	
Address			Zip/Postal code:		Country:
Industry	☐ Chemical ☐ Steel / Metal ☐ Automobile / Machine ☐ Paper mill ☐ Food ☐ Beverage ☐ Drug ☐ Livestock ☐ Waste disposal ☐ Engineering ☐ Other				
Purpose	☐ No clogging / maintenance-free air diffuser ☐ Intermittent aeration ☐ Wastewater treatment capacity upgrade ☐ Power savings ☐ Accelerate chemical reaction ☐ Remove and prevent sludge accumulation ☐ Other [ ]				

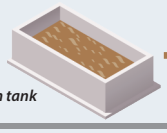
For biotreatment use:

**Please fill in as much information as possible.*

Wastewater volume: ( ) m^3 / day

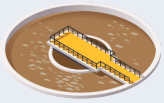
Wastewater inflow from factory

Equalization tank number and dimensions: ( ) tank(s)
L( ) m × W( ) m × **Net depth** ( )〜( ) m



Equalization tank

Pretreatment: ☐ Sedimentation ☐ DAF ☐ Neither



Pre-sedimentation / DAF

Aeration time per day: ( ) hour(s) / day

MLSS concentration: Avg( ) Max( ) mg/ℓ

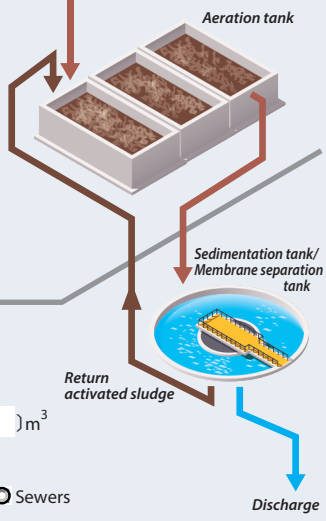
Number of aeration tanks: ( ) tank(s)

Aeration tank dimensions:

		Net depth	
❶	L( ) m × W( ) m × H( ) m	( ) m ×	( ) tank(s)
❷	L( ) m × W( ) m × H( ) m	( ) m ×	( ) tank(s)
❸	L( ) m × W( ) m × H( ) m	( ) m ×	( ) tank(s)

Data of wastewater flowing into the aeration tank:

- BOD: Avg( ) Max( ) mg/ℓ
- COD: Avg( ) Max( ) mg/ℓ
- SS: Avg( ) mg/ℓ
- Total nitrogen: Avg( ) mg/ℓ
- n-Hex: Avg( ) Max( ) mg/ℓ



Tank shape: ○ Open ○ Closed

Are there haunches at the tank bottom? ○ Yes ○ No ○ Unclear
W ( ) mm
H ( ) mm

Air blower performance:

	Volume	Pressure		Rated power	
Ⓐ	( ) m^3/min ×	( )	☐ kPa ☐ bar ☐ PSI	( ) kW ×	( ) unit(s)
Ⓑ	( ) m^3/min ×	( )	☐ kPa ☐ bar ☐ PSI	( ) kW ×	( ) unit(s)

Return sludge volume: ( ) m^3/day

Sludge separation method:
○ By gravity ➡ Sedimentation tank volume ( ) m^3
○ With membrane

Treated water discharge point: ○ Rivers ○ Seas ○ Sewers

Effluent regulatory value:
BOD: ( ) mg/ℓ COD: ( ) mg/ℓ

For non-biotreatment use:

Purpose:

Gas-liquid reaction: ☐ Neutralization / pH control ☐ Gas absorption / reaction ☐ Degassing ☐ Other ( )

Other: ☐ Prevent both pulp water decomposition and H_2S generation ☐ Remove sludge accumulation ☐ Increase in oxygen ☐ Other ( )

Tank capacity: L( ) m × W( ) m × H( ) m **Net depth** ( ) m × Number of tanks ( ) tanks(s) Tank shape: ○ Rectangle ○ Cylinder

☐ Requests / Questions (current problems, technical questions, etc.)

▶ For additional information, please feel free to contact us at your convenience.

OHR Original Hydrodynamic Reaction Technology

Developed, Manufactured, and Sold by
株式会社OHR流体工学研究所
OHR LABORATORY CORPORATION

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2020/05