Information checklist for free estimate

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

Company name			Department
Person in charge	○ Mr. ○ Ms.	Email	TEL – –
Address	ZIP/postal code:		Country:
Industry	☐ Chemical ☐ Steel/metal ☐ Automobile/machine ☐ Paper mill ☐ Food ☐ Beverage ☐ Drug ☐ Livestock ☐ Waste disposal ☐ Engineering ☐ Other		
Purpose	☐ Clog-free/maintenance-free air diffuser ☐ Intermittent aeration ☐ Wastewater treatment capacity upgrade ☐ Power saving ☐ Chemical reaction acceleration ☐ Sludge accumulation removal and prevention ☐ Other [ ]		

For biotreatment use:

Please fill in as much information as possible.

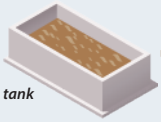
Wastewater volume: ( ) m³/day

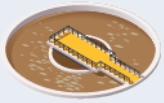
Number of equalization tanks and dimensions: ( ) tank(s)

L ( ) m × W ( ) m × **Water depth** ( ) – ( ) m

Pretreatment: ☐ Pre-sedimentation ☐ DAF ☐ Neither

Wastewater inflow from factory → *Equalization tank* → *Pre-sedimentation/DAF*





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

MLSS concentration: avg ( ) max ( ) mg/ℓ

Number of aeration tanks: ( ) tank(s)

Temperature of aeration tank water in summer: ( ) ☐ °C ☐ °F

Aeration tank dimensions:

		Water depth	
L ( ) m × W ( ) m × H ( ) m	( ) m ×	( ) tank(s)
L ( ) m × W ( ) m × H ( ) m	( ) m ×	( ) tank(s)
L ( ) m × W ( ) m × H ( ) m	( ) m ×	( ) tank(s)

Tank shape: ○ Open ○ Closed

Are there haunches at the tank bottom? ○ Yes ○ No ○ Unknown

W ( ) mm
H ( ) mm

Air blower performance:

	Volume	Pressure	Rated power	
Ⓐ	( ) m³/min ×	( ) ☐ kPa ☐ bar ☐ PSI	( ) kW ×	( ) unit(s)
Ⓑ	( ) m³/min ×	( ) ☐ kPa ☐ bar ☐ PSI	( ) kW ×	( ) unit(s)

Details of wastewater flowing into the aeration tank:

BOD: avg ( ) max ( ) mg/ℓ

COD: avg ( ) max ( ) mg/ℓ

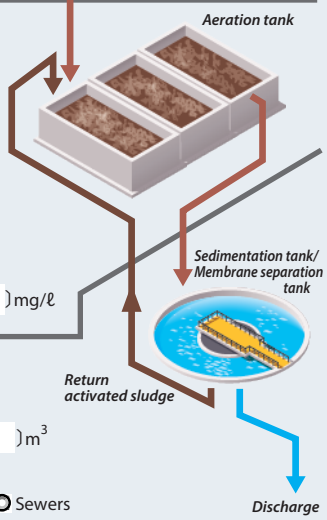
SS: avg ( ) mg/ℓ

VSS: avg ( ) mg/ℓ

Total nitrogen: avg ( ) mg/ℓ

Total sulphide: avg ( ) mg/ℓ

Oil and grease (HEM): avg ( ) max ( ) mg/ℓ



Return sludge volume: ( ) m³/day

Sludge separation method:

○ By gravity ➡ Sedimentation tank volume ( ) m³

○ With membrane

Treated water discharge point: ○ Rivers ○ Seas ○ Sewers

Regulated effluent limit:

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 oxygen ☐ Other ( )

Tank capacity: L ( ) m × W ( ) m × H ( ) m **Water depth** ( ) m × Number of tanks ( ) tanks(s) Tank shape: ○ Rectangular ○ Cylindrical

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
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