



# MU Aerator Datasheet

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1. Your info	
Company Name	
Department	
Name	
Address	(Zip code: )
Tel.	Fax.
E-mail	
2. Details of enquiry	
Items to be applied to	<input type="checkbox"/> Design of new facilities <input type="checkbox"/> Overall existing facilities <input type="checkbox"/> Aeration tank
	<input type="checkbox"/> Sedimentation tank <input type="checkbox"/> Sludge reduction
	<input type="checkbox"/> Odor control <input type="checkbox"/> Improvement of water treatment <input type="checkbox"/> Reduction of maintenance and management <input type="checkbox"/> Reduction of power consumption
	<input type="checkbox"/> Facility diagnosis <input type="checkbox"/> Building pits <input type="checkbox"/> Grease traps
Facilities to be applied to	<input type="checkbox"/> Others ( )
Facilities to be applied to	<input type="checkbox"/> New facilities <input type="checkbox"/> Modification of existing facilities
	<input type="checkbox"/> Modification of aerators <input type="checkbox"/> Renewal of unit equipment
Scope of application	<input type="checkbox"/> General facilities <input type="checkbox"/> Only MU Aerator <input type="checkbox"/> Piping facilities
	<input type="checkbox"/> Improvement of existing facilities
	<input type="checkbox"/> Others ( )
Reason for enquiry	<input type="checkbox"/> Renovation of facilities <input type="checkbox"/> Renewal of air diffusers
	<input type="checkbox"/> Review of maintenance management
	<input type="checkbox"/> Reduction of electric costs <input type="checkbox"/> Sludge reduction <input type="checkbox"/> Odor reduction
	<input type="checkbox"/> Improvement of water treatment
	<input type="checkbox"/> Disorders of biological treatment
	<input type="checkbox"/> Others ( )
3. Design specification	
Type of wastewater	<input type="checkbox"/> Industrial wastewater <input type="checkbox"/> Factory wastewater
	<input type="checkbox"/> Domestic wastewater <input type="checkbox"/> Others ( )
Where to discharge	<input type="checkbox"/> Sewerage <input type="checkbox"/> Agricultural drainage <input type="checkbox"/> Lake and marsh <input type="checkbox"/> River
	<input type="checkbox"/> Underground infiltration <input type="checkbox"/> Others( )
Volume of wastewater	<input type="checkbox"/> Daily average sewage rate m3/day (Max. m3/day Min. m3/day)
	<input type="checkbox"/> Actual inflow volume m3/day Inflow load rate %
Discharging time per day	<input type="checkbox"/> Hour (From : to : )
4. Wastewater treatment facilities	
Type of processing	<input type="checkbox"/> Activated sludge system <input type="checkbox"/> Long-time aeration system
	<input type="checkbox"/> Batch system (SBR)
	<input type="checkbox"/> Contact aeration system <input type="checkbox"/> Others ( )
Treatment facility	<input type="checkbox"/> New <input type="checkbox"/> Existing (Type ) <input type="checkbox"/> Additional

Items	Capacity	Width	Length	Effective depth	No. of tanks	Shape
	m <sup>3</sup>	m	m	m	No.	
<input type="checkbox"/> Screens						Fineness <input type="checkbox"/> 50 <input type="checkbox"/> 20
<input type="checkbox"/> Sedimentation						
<input type="checkbox"/> Crusher						<input type="checkbox"/> Drum <input type="checkbox"/> Cutter
<input type="checkbox"/> Raw water pump						
<input type="checkbox"/> Flow control tank						
<input type="checkbox"/> Automatic screen						Fineness <input type="checkbox"/> 5 <input type="checkbox"/> 2 <input type="checkbox"/> 1
<input type="checkbox"/> Sewage						
<input type="checkbox"/> Aeration tank						
<input type="checkbox"/> Settling tank						
<input type="checkbox"/> Diffusing pump tank						
<input type="checkbox"/> Disinfection tank						
<input type="checkbox"/> Discharge pump						
<input type="checkbox"/> Sludge concentration storage tank						
<input type="checkbox"/> Sludge concentration tank						
<input type="checkbox"/> Sludge receiving tank						
<input type="checkbox"/> Sludge storage						
<input type="checkbox"/> Sludge dehydrator						
<input type="checkbox"/>						

#### 5. Inlet water and treated water

Items	Units	Raw water	Aeration tank	Treated water		Remarks
BOD	mg/L					
COD	mg/L					
SS	mg/L					
N-hex	mg/L					
T-N	mg/L					
T-P	mg/L					
pH	—					
Temperature	°C					
Component						
Hue						
Odour						
Foaming condition						
Viscosity						
Others						

6. Details of aeration tank						
Diffuser type	<input type="checkbox"/> Mechanical aeration ( <input type="checkbox"/> Surface <input type="checkbox"/> Underwater <input type="checkbox"/> )					
	<input type="checkbox"/> Fine bubble diffuser (Manufacture No. Type )					
Maintenance Management	<input type="checkbox"/> No. of cleaning (per )					
	<input type="checkbox"/> Replacement period (per )					
	<input type="checkbox"/> Overhaul (per ) <input type="checkbox"/> Others (per )					
Items for aeration	Unit	Design value	Operation value			Remarks
Air volume	m3/min					
Intermittent ratio	Hr					Aeration : (Stirring)Stop
MLSS	mg/L					
DO	mg/L					
SV30	%					
Return sludge rate	%					
Others						
7 Details of blower						
Diffuser type	<input type="checkbox"/> Blower <input type="checkbox"/> Mechanical stirring <input type="checkbox"/> Others ( )					
Blower spec.	<input type="checkbox"/> Roots blower <input type="checkbox"/> Turbo <input type="checkbox"/> Others ( )					
	<input type="checkbox"/> Manufacturer, Type					
	Diameter	Air volume	Pressure	Output of motor	Voltage	Frequency
mm	m3/min	kPa	kW	V	Hz	
#1 blower						Spair device
#2 blower						
#3 blower						
#4 blower						
Specifications of mechanical equipment	Capability					
	Power of prime mover					
	Type					