

QUESTIONNAIRE



RUDOLF MESSNER UMWELTECHNIK

Contact details

Company / Municipality: _____
 Name / Department: _____
 Zip Code / City: _____ Street: _____
 Telephone: _____ Mobile: _____
 E-Mail: _____ Fax: _____

Important details for aerator design

Name of WWTP: _____
 Plant capacity (design/current): _____ / _____ PE (Population equivalent)
 Plant capacity (design/current): _____ / _____ m³/d (Inlet flow)
 Height above sea level _____ m

Kind of wastewater:

- ☐ municipal waste water
☐ industrial waste water (industry type: _____)

Oxygen requirements:

Actual Oxygen Requirement (AOR)		kgO ₂ /h
Standard Oxygen Transfer Rate (SOTR)		kgO ₂ /h
Alpha Value (α)		

If the direct oxygen data are available, please fill this table. Otherwise, we need the current loads of the wastewater (following tables)

Current loads for the biology inlet:

Measurements	Influent values for biology	
COD		mg/l
BOD ₅		mg/l
TSS		mg/l
TKN		mg/l
PO ₄		mg/l
MLSS		g/l
Wastewater temperature		°C

Requirements for the outlet of the biology tank:

COD		mg/l
BOD ₅		mg/l
NH ₄		mg/l
NO ₃		mg/l

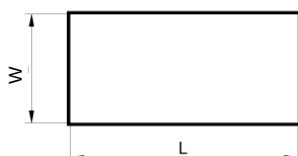
Number and Dimensions of Aeration Tanks

☐ Circular tank
Number: _____



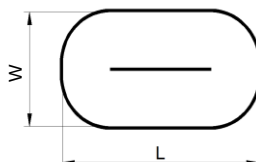
outer Diameter oD: _____ m
inner Diameter iD: _____ m
Water depth WD: _____ m
Volume V: _____ m³

☐ Rectangular tank
Number: _____



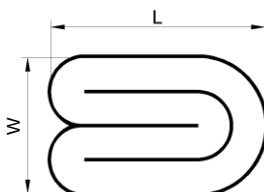
Length L: _____ m
Width W: _____ m
Water depth WD: _____ m
Volume V: _____ m³

☐ Oxidation ditch
Number: _____



Length L: _____ m
Width W: _____ m
Water depth WD: _____ m
Volume V: _____ m³

☐ Carrousel tank
Number: _____



Length L: _____ m
Width W: _____ m
Water depth WD: _____ m
Volume V: _____ m³

Available airflow / Blower configuration

Total available airflow (all blowers): _____ Nm³/h

Brand	Type	Airflow Nm ³ /h	Pressure mbar	Motor Power kW

Added Information: