

# REQUEST FROM



# RUDOLF MESSNER UMWELTTECHNIK

## Contact details

Company / Municipality: \_\_\_\_\_

Name / Department: \_\_\_\_\_

Zip Code/City: \_\_\_\_\_ Street: \_\_\_\_\_

Telephone: \_\_\_\_\_ Mobile: \_\_\_\_\_

E-Mail: \_\_\_\_\_ Fax: \_\_\_\_\_

WWTP Name: \_\_\_\_\_

Mainly municipal waste water  mainly industrial waste water  
 If both, than \_\_\_\_\_ % municipal / \_\_\_\_\_ % industrial (Branch: \_\_\_\_\_)  
 Plant size build: \_\_\_\_\_ PE Current load: \_\_\_\_\_ PE  
 Height above sea level \_\_\_\_\_ m

## Plant specific data

Pre clarification	Pcs.	V in m <sup>3</sup>	L/oD in m	W/iD in m	WD in m
Bio-P Tank	Pcs.	V in m <sup>3</sup>	L/oD in m	W/iD in m	WD in m
Denitrification Tank	Pcs.	V in m <sup>3</sup>	L/oD in m	W/iD in m	WD in m
Facultative DN Tank	Pcs.	V in m <sup>3</sup>	L/oD in m	W/iD in m	WD in m
Nitrification Tank	Pcs.	V in m <sup>3</sup>	L/oD in m	W/iD in m	WD in m
Sec. clarification	Pcs.	V in m <sup>3</sup>	L/oD in m	W/iD in m	WD in m
Others					

V = Volume, L = Length, oD = outer Diameter, W = Width, iD = inner Diameter, WD = Water depth

Denitrification process	<input type="checkbox"/> upstream	<input type="checkbox"/> Rezirkulation	<input type="checkbox"/> intermittent	<input type="checkbox"/> simultaneous
Nitrifikation process	<input type="checkbox"/> fully mixed	<input type="checkbox"/> with Mixers	<input type="checkbox"/> Cascades	

Sludge treatment	<input type="checkbox"/> aerobe Stabilization	<input type="checkbox"/> Digestion
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Sludge press	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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Digestion tower	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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Protocol values	Inflow WWTP	Process water reversal load
CSB	mg/l	mg/l
BSB <sub>5</sub>	mg/l	mg/l
TS <sub>0</sub>	mg/l	mg/l
TKN	mg/l	mg/l
NH <sub>4</sub>	mg/l	mg/l
NO <sub>3</sub>	mg/l	mg/l
PO <sub>4</sub>	mg/l	mg/l
Dry weather Q <sub>24</sub>	l/s	l/s
Rain weather RW	l/s	l/s
Outside water	l/s	

Effluent values		
N <sub>total</sub>		mg/l
NH <sub>4</sub>		mg/l
NO <sub>3</sub>		mg/l
PO <sub>4</sub>		mg/l

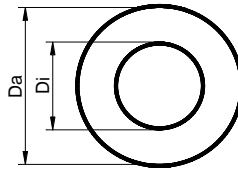
Effluent values by law		
P		mg/l
N <sub>total</sub>		mg/l
NH <sub>4</sub>		mg/l
CSB		mg/l
Rain weather		l/s

Acid capacity		mmol
pH-Value		-

TS Summer		g/l
TS Winter		g/l

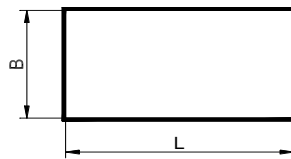
**Dimension of Aeration Tank**

Ring o. Round Tank  
Number: \_\_\_\_\_



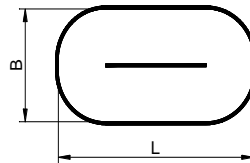
Outer Diameter oD: \_\_\_\_\_ m  
inner Diameter iD: \_\_\_\_\_ m  
Water depth Wd: \_\_\_\_\_ m  
Volume V: \_\_\_\_\_ m<sup>3</sup>

Rectangular Tank  
Number: \_\_\_\_\_



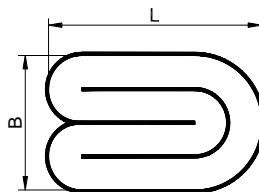
Length L: \_\_\_\_\_ m  
Width W: \_\_\_\_\_ m  
Water depth Wd: \_\_\_\_\_ m  
Volume V: \_\_\_\_\_ m<sup>3</sup>

Circular Tank  
Number: \_\_\_\_\_



Length L: \_\_\_\_\_ m  
Width W: \_\_\_\_\_ m  
Water depth Wd: \_\_\_\_\_ m  
Volume V: \_\_\_\_\_ m<sup>3</sup>

Carrousel Tank  
Number: \_\_\_\_\_



Length L: \_\_\_\_\_ m  
Width W: \_\_\_\_\_ m  
Water depth Wd: \_\_\_\_\_ m  
Volume V: \_\_\_\_\_ m<sup>3</sup>

**Please fill the following information into the sketch drawing:**

- Aeration grids
- In- and Outlet
- Mixers (if applicable)

**Blower configuration**

Blower. No.	Brand Name	Type	Serial. No.	Const. Year	P <sub>K</sub> kW	n 1/min	Q <sub>1</sub> m <sup>3</sup> /min	p <sub>1</sub> bar	Δp mbar	P <sub>Mot</sub> kW	Control 1-/2-step/FC

Serial No. Serial number  
P<sub>K</sub> Clutch power  
n Rotation Speed  
Q<sub>1</sub> Air volume at p max.  
p<sub>1</sub> Inlet pressure  
Δp Differential pressure  
P<sub>Mot</sub> Nominal motor power  
Control Blower control (1-step, 2-step or Frequency converter )

**Others**

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