

1.2 Checklist Submersible Mixers.

Sludge tank.

Project name: _____ **Project country:** _____




Project phase:


Idea phase Design phase Tendering phase

Installation

New plant Rehabilitation

Basin data (please enclose a drawing)

<input type="checkbox"/> Round tank		<input type="checkbox"/> Annular tank		<input type="checkbox"/> Rectangular tank	
No. of tanks: _____ pcs		No. of tanks: _____ pcs		No. of tanks: _____ pcs	
Diameter: _____ m		Outer ø: _____ m		Length: _____ m	
Depth: _____ m		Inner ø: _____ m		Width: _____ m	
Volume: _____ m ³		Depth: _____ m		Tank depth: _____ m	
		Volume: _____ m ³		Volume: _____ m ³	

Circulation channel 

No. of tanks: _____ pcs

No. of channels: _____ pcs

Straight Length: _____ m

Channel width: _____ m

Depth: _____ m

Volume: _____ m³

Constant water level?

Yes

No

Min. water depth: _____ m

Max. water depth: _____ m

Calculation relevant filling level : _____ m

Inflows and outflows acc. to drawing/sketch + pls. add further details

Data and basic conditions

Kind of sludge: _____

Dry solids content: _____ %

Sludge volume index: _____ ml/g

Density: _____ kg/m³

Dynamic viscosity: _____ mPa s

Addition of conditioning agent

- Polymeres
- Iron
- Calcium carbonat
- No

Type of thickening Static

Mechanical

pH-value: _____

Tank material Concrete

Steel

Mixer operation: _____ h/year

Energy costs: _____ €/kWh

Technical data

Voltage _____ V

Frequency 50 Hz

60 Hz

Ex-Approval Yes No

Type of Direct

starting Frequency transformer

Soft starting

Star delta

Temperature control

Bimetal sensor

Cold type thermistors (PTC)

Leakage control _____

Length of power cable _____ m

Corrosion protection Standard

Ceram CO

Additional comments

Please send the completely filled checklist to:

WILO SE, Werk Hof

Group Competence Team Waste Water Treatment

Heimgartenstraße 1-3, 95030 Hof/Saale, T +49 (0)9281 974-540, ctwwt@wilo.com