

11.1 Checklist Vertical Mixers.

Waste Water Treatment.

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

Project phase:

Idea phase Design phase Tendering phase




Design criteria

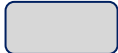
Energy optimised Invest optimised

Installation

New plant Rehabilitation

Tank 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		Depth: _____ m	
		Volume: _____ m ³		Volume: _____ m ³	

<input type="checkbox"/> Pond		Constant water level?
No. of ponds: _____ pcs		<input type="checkbox"/> Yes
Dimensions:		<input type="checkbox"/> No
_____ m		Min. water depth: _____ m
_____ m		Max. water depth: _____ m
_____ m		Calculation relevant filling: _____ m
Volume: _____ m ³		

Station type/sewage characteristic

- Municipal sewage
- Industrial sewage
- Municipal / industrial sewage

Mixing task

- Homogenize
- Suspend solids
- Heat transfer
- Flocculation
- Prevent short-circuit flow

Data and basic conditions

Kind of sludge: _____

Water Temperature: _____ °C

Dry solids content: _____ %

Tank Material: Concrete

Sludge volume index: _____ ml/g

Steel

Density: _____ kg/m³

Bridge Material: Concrete

Ambient Temperature: _____ °C

Steel

pH-value: _____

Bridge thickness: _____ m

Salt content: _____ mg/l

Aeration

- Yes, simultaneous
- Yes, but discontinuous
- No

Technical data

Voltage: _____ V

Frequency: 50 Hz 60 Hz

Ex-Approval: Yes No

If yes, please specify ex-requirements further: _____

Type of starting: Direct
 Frequency transformer
 Soft starting

Temperature control: Bimetal sensor
 Cold type thermistors (PTC)
 No temperature control

Material shaft: 1.4571 V4A

Material motor plate: 1.4571 V4A

Type of mixer: fixed installation

Additional comments

For your information: After receipt of the completed check list and technical clarification the processing time can be up to 10 working days depending on the complexity of the inquiry.

Please send the completely filled checklist to:

WILO SE, Werk Hof

Global Project Business Management

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