

Checklist CFD.

Flow simulation for aeration tanks.

Data concern only one basin! One form relates to one simulation study!

Type of tank:				Properties of medium in aeration tank:						
	Rectangular tank			Slu	dge volume index (SVI)	ml/g				
	Circular tank			Tot	al solids	g/l				
	Annular tank									
	Tank with circulating flow			Inf	low:					
☐ Meandering tank				Total volume flow at inlet (afflux of sewage plus recirculation) m³/h						
☐ Other (drawing)										
				Volume flow at other connections and openings m³/h						
Dimensions of tank:				Function of additional inlet						
Len	gth		m							
Wid	th		m	6 -						
Dep	th of water		m		ometry of inlet:					
	meter (of circular- and ular tanks)		m		Pipe diameter Overfall	m				
	·		m			m m²				
Width of channel (for tanks with annular, circulating and meander flow) m					Wall breakthrough					
Length of center wall				Position of inlet (drawing and designation of height above bottom)						
(for	tanks with circulating flow)		m							
Diameter of invert wall (for tanks with circulating flow) m		m	Geometry of additional inlet:							
					Pipe diameter	m				
Additional built-in components:				Overfall	m					
Len	gth		m		Wall breakthrough	m²				
Wid	th		m		Position of inlet (drawing and designation of height above bottom					
Hei	ght		m		5	,				
Fun	ction									
_										

Position (drawing)

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Geometry of outlet:				Ae	Aeration:						
☐ Pipe diar	neter		m		Disc aerator	Ø		m			
□ Overvall			m		Tube aerator	Ø		m			
□ Wall bre	akthrough		m²			Lengt	h	m			
	Position of inlet (drawing an designation of height above		m)		Plate aerator	Lengt	h	m			
uesignat	ion of fleight above	bottom				Width		m			
Additional connections and openings:					Miscellaneous						
					Total air admission of						
Dimension m ²			m²	aeı	ration tank			Nm³/h			
Position (drawing and designation of height above bottom)				Number of aeration tanks pcs							
				Number of aeration discs per aeration field pcs							
				-				pcs			
Submersible Mixers:					Distance of aerators between each other m						
Туре											
Number			pcs		ight of aerators abov tom	e		m			
Diameter			m								
Static thrust	per mixer		N								
Power per mixer kW		kW									
Position and the mixers (setting angle of drawing)										
Height of mixers axis above											
bottom			m								
Please send the completely filled checklist to: WILO SE, Werk Hof Group Competence Team Wastewater Treatment Heimgartenstraße 1-3, 95030 Hof/Saale, T +49 (0)9281 974-540, ctwwt@wilo.com											
Project-/Request number:											
Company: Nar			me:	ne:							
Street: Post			stcod	tcode / Town:							

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E-Mail:

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