



TECHNICAL DATA SHEET

## Flotation Tower

The flotation process is widely used in the water and wastewater treatment industry.

Sander Flotation Tower is especially designed to take advantage of the foaming process during flotation and use bubbles as filtering media. This type of application can be applied in fresh, brackish and seawater systems.

The produced foam is forced to rise, and the froth is rinsed and collected for further use or final discharge. The Flotation Tower can be operated

with ozone. By mixing ozone into the air bubbles the process can be additionally enhanced and take advantage of the oxidative and biocidal properties of ozone.

Our Flotation Towers are manufactured in polyethylene (PE). Other materials are also possible. Special dimensions, special constructions such as a flotation reactor in concrete and tailor-made flotation solutions are possible. Feel free to contact us.

	Diameter nominal (mm)	Height nominal (mm)											
		2000		2500		3000		3500		4000		4500	
Standard model	250	3	0,37										
	300	4	0,45										
	500	11	0,7										
	600	16	0,85	20	0,85	25	0,85						
	700	21	0,85	25	0,85	34	0,85						
	850			40	1,1	52	1,1	63	1,1	70	1,1	82	1,1
LE-model (Low-Energie)	1000			57	1,5	63	1,5	78	1,5	94	1,5	110	1,5
	1200			74	2,7	90	2,7	113	2,7	135	2,7	158	2,7
	1500					141	2,7	173	3,8	212	3,8	247	3,8
	1750					192	3,8	240	3,8	289	3,8	336	3,8
	2000					251	4,9	314	4,9	377	4,9	440	4,9
	2500							471	7,6	589	7,6	668	7,6
	3000							678	15	848	15	989	15

Water flow (m<sup>3</sup>/h) at 1.5 min retention time — 989 — 15 — Power demand (kW)