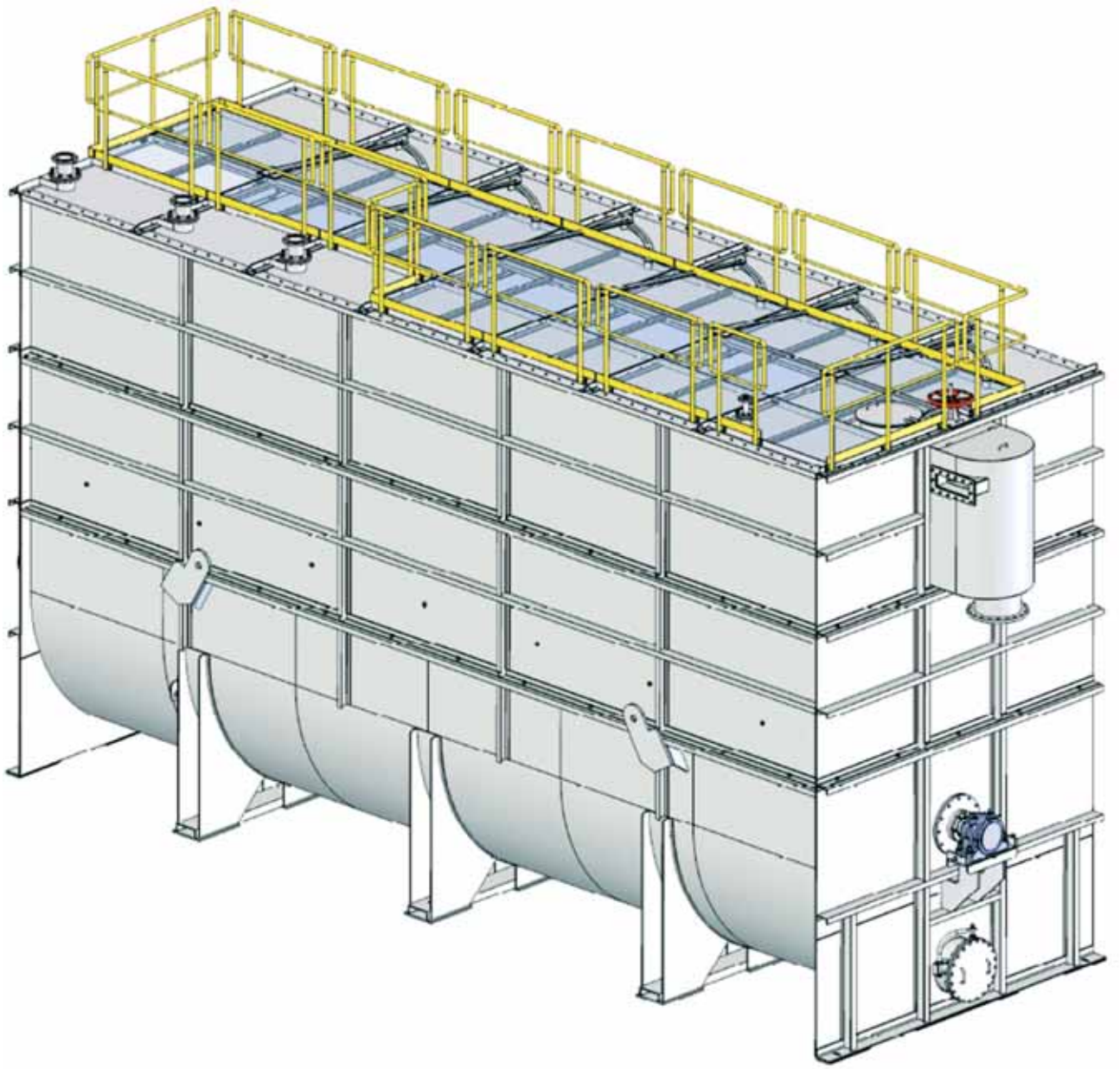
ŚWIDNICKA FABRYKA URZĄDZEŃ PRZEMYSŁOWYCH

LIMING TANK



Application

Liming tank is designed to initial progressing liming process for juice alkalization, extraction of non-sugar particles from juice by selective precipitation with lime, coagulation (high amount of colloids) and inhibition of microbes growth.

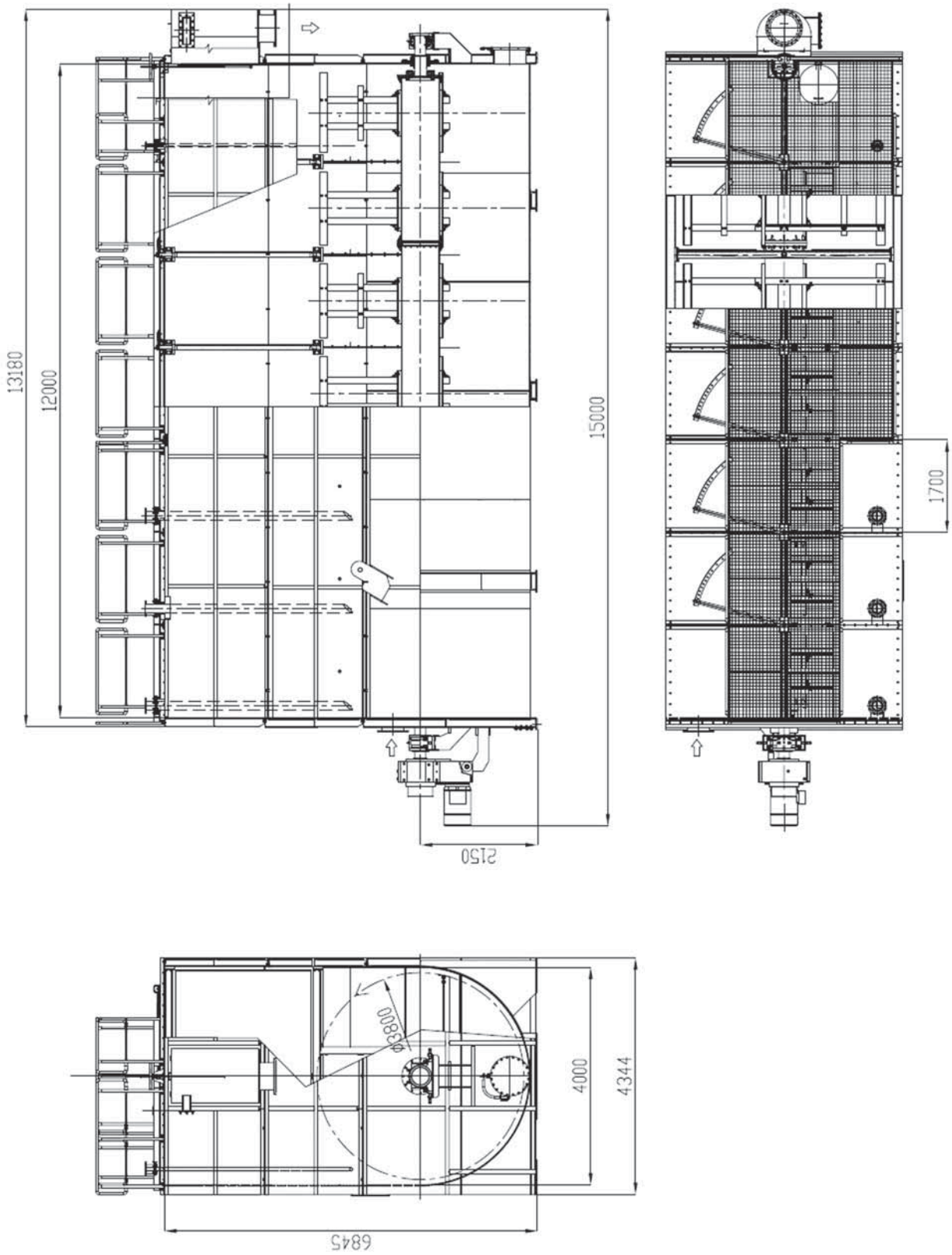
Principle of operation

The raw juice is supplied by nozzle from drive side to first chamber, is mixed intensively and moved to next chambers. In last, 7th chamber, the lime milk is dosed by nozzle. Juice, mixed with lime is then moved for main defecation. The juice is recycled – amount of recycled juice can be regulated by skew baffles and mixer rotations. This regulation assures proper pH value in chambers, helps to avoid foam formation and achieve appropriate liming progression in chambers.

Technical specification

TYPE	Briegel-Muller, horizontal	
CAPACITY	8000 t/24h	10000 t/24h
NO OF CHAMBERS	7	7
OPERATING VOLUME	220 - 270 m^3	298 - 376 m^3
WEIGHT	60,2 t	79,0 t
WEIGHT WITH FULL LOAD	330 t	468 t
DRIVE (NORD)	55 kW	75 kW
DRIVE POWER	9,7 1/min	9,0 1/min
TORQUE	400V	400V
ROTATION SPEED	12000 mm	12000 mm
WORK FACTOR	4200 mm	4600 mm
SUPPLY VOLTAGE	6800 mm	7800 mm

Liming tank – outline drawing



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