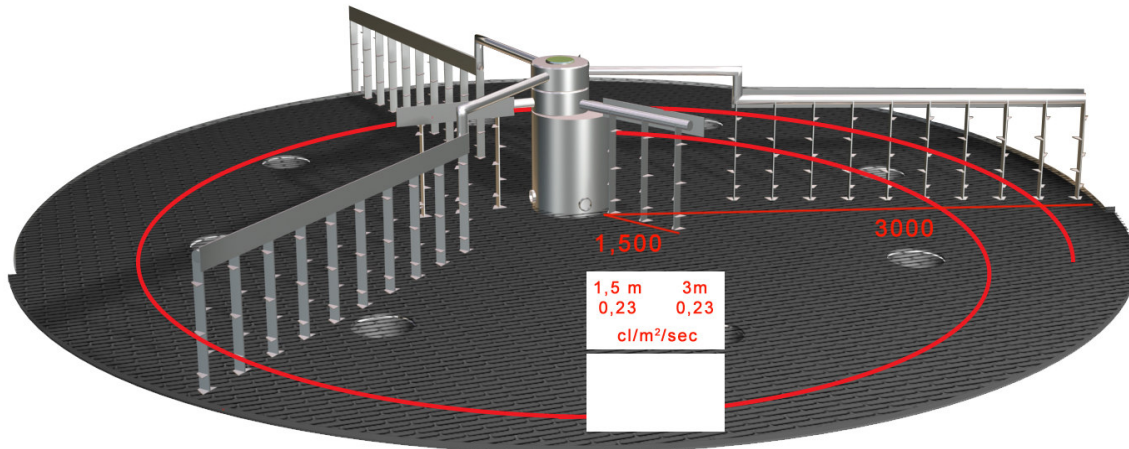


THE LAUTER TUN IS SUPPLIED WITH NEW PATENT FILTRATION SYSTEM MOD. "HELIOS":



Central device to support the circular handling, support for the blades with two arms equipped with N.16 straight blades.

The blades are positioned on the front side of the anchoring bar to avoid the pressure of the threshes and increase the cutting of the same threshes.

Furthermore the blades are positioned on different rays; with this system is reduced the distance between two following blades, the distance between the blades decreases with the increasing of the ray.

The blades are fixed through flanges welded on the arm and screwed on the stainless steel counter-flanges of the blade.

Supporting frame of the transmission shaft for the eccentric movement for the arms of the blades; the frame is equipped with hermetic seal through upper stainless steel stuffing box.

Circular movement of the arms through epicycloidal motor speed control, mod. RR HS 1000 conex SD 80, power 4 kW, completed with servo-ventilated, variable speed through inverter (this last one excluded by our scope of supply). Possibility to vary the speed between 0,25 ÷ 7 rpm

Eccentric movement of the arms through epicycloidal motor speed control, mod. RR HS 600 conex SD 80, power 3 kW, completed with servo-ventilated, variable speed through inverter (this last one excluded by our scope of supply). Possibility to vary the speed between 0,25 ÷ 7 rpm

System for the automatic discharge of the spent threshes with mechanical drive, translation side, pneumatic lifting through grazing blade in Teflon

Technical details:

The new filtration technology introduced by VELO S.P.A. through the eccentric cutting of the threshes permits to optimise the traditional cycles of filtration.

New characteristics in front of the traditional filtration are:

Number of the blades proportional to the number of the arms, with straight shape (not as the traditional zig-zag shape) and epicycloidal rotation that doesn't permit the same circumference of the cutting.

Decreasing of the stress of the blades

Optimal washing of the threshes with main yields.

The filtration occurs with higher speed and limpidity.

Main yield in brewhouse having last washing with low content of extract.

Filling and distribution of the moisture from the bottom avoiding dangerous oxidation of the wort.

Filtration effected in slightly counter pressure (0,05 ÷ 0,1 Bar)

Oxygen content in the wort with value 0,5 ÷ 0,2 mg/l)

Furthermore to the decreasing of the oxygen content in the wort, it is eliminated the mechanical stress of the pump on the nitrogenous substances and poly-phenols, when the pump must tu turn with air.

High speed of the spent threshes discharge with value of the residual threshes after the discharge equal to 400 g/m².

Washing of the threshes with low liquor consumption, 0,4 m³/nozzle*h.

Specific speed of the filtration of the first wort, 0,15 lt/sec*m², washing 0,20 lt/sec*m²

Turbidity of the wort in the wort kettle: 80 EBC

Average residual turbidity 130 mg/l