

**Self-Cleaning Hermetic BACTOFUGE
BBRPX 618 HGV**

Application

Removal of bacteria and spores from milk. Designed for continuous operation and CIP.

Working Principle

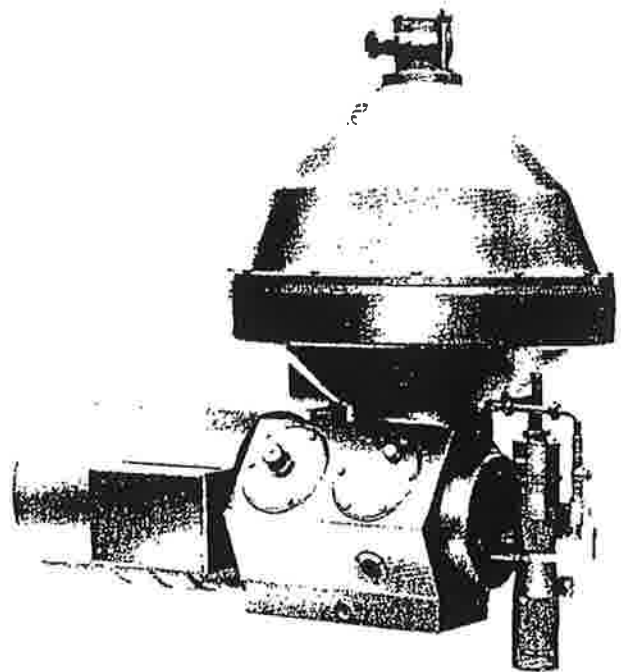
The BACTOFUGE has the following distinguishing features:

Hermetic, airtight design. Milk is fed into the BACTOFUGE bowl from the bottom through a stationary pipe and a hollow spindle. Axial seals at the inlet and outlet effectively prevent incorporation of air. This, in combination with smooth acceleration of the milk, ensures a gentle treatment of the milk. The bactofugated milk is discharged under pressure by means of an outlet pump. The diameter of the impeller can be dimensioned to give the exact pressure required for the subsequent line, which reduces power consumption.

Intermittent discharge of bactofugate. During bactofugation bacteria are sedimenting towards the outer periphery of the bowl. At preset intervals the sediment, containing the bacteria, is discharged through ports in the periphery of the bowl.

Automatic sediment discharge. Sediment discharge is automatically triggered by the control system. The sliding bowl bottom drops briefly (< 1 second) allowing the sediment to be ejected without disturbing the feed. The opening and closing of the bowl is done with water. The bowl opens for such a brief instant that only a small preset volume escapes.

Cleaning-In-Place. The machine is designed for cleaning-in-place and should be incorporated in the automatic CIP system. During the water rinsing phases of the cleaning cycle, big partial discharges are automatically effected, while during the detergent phases small discharges only are used in order to save detergent. All parts of the separator in contact with milk as well as the outside of the bowl, the inside of the frame head, and the sediment cyclone are clad



Low noise level. The separator is designed for low noise operation. The noise level measured according to ISO 3744 is below 80 dB(A).

Basic Unit

Material. All parts in contact with product as well as motor casing and sediment cyclone are of stainless steel. The lower part of the frame is clad with stainless steel.

Standard Equipment. Included are motor, foundation plate, automatic

Self-Cleaning Hermetic BACTOFUGE BBRPX 618 HGV

Technical Data

Capacity :	Removal of bacteria from milk:	up to 40,000 l/h
Connections :	Inlet Bactofugated milk outlet SMS-unions.	63.5 mm (2.5 in). 63.5 mm (2.5 in).
Motor :	25 kW controlled-torque motor for 380/660 V, 50 or 60 Hz, 3-phase AC (other voltages on request). The motor drives the BACTOFUGE bowl directly via a worm gear.	
Bowl Speed :	4,265 rpm	
Sediment space:	17 l	
Water:	Operating water flow : up to 1 l/s, corresponds to 1.0 - 2.0 l per discharge. Sediment cover flushing : appr. 25 l per discharge. Oil-, frame- and sealcooling : appr. 250 l/h	
Air :	For pneumatic brake, 300 kPa and for discharge module 600 kPa	
Inlet Pressure:	Up to 600 kPa.	
Outlet Pressure:	Up to 600 kPa.	
Overhead Hoist:	15 kN (1,500 kp) is required.	

Auxiliary Equipment necessary for operation

	Description
<input type="checkbox"/>	Set of tools
<input type="checkbox"/>	Flow controller
<input type="checkbox"/>	Constant pressure unit on outlet
<input type="checkbox"/>	Control panel type ALSEC
<input type="checkbox"/>	Y/D starter
<input type="checkbox"/>	Inlet valve SRC-SMS-63.5-20-20

Optional Equipment

	Description
<input type="checkbox"/>	Inlet flow meter
<input type="checkbox"/>	Operating water tank
<input type="checkbox"/>	Thermistor relay
<input type="checkbox"/>	Extra spare parts (for 8,000 hours running)