



Separator MSE 350-06-777

Technical Data | Milk clarifying

This separator has been designed for milk clarifying.

The self-cleaning bowl makes the machine suitable for fully automatic cleaning-in-place. Opening and closing of the bowl for discharging the solids takes place hydraulically using water.

The product is fed into the machine through a closed-line system. A centripetal pump likewise discharges the clarified product. The product feed and discharges in the bowl are hydrohermetically sealed and do not feature mechanical seals.

The product connections can be designed according to DIN 11851 or ISO 2852 (TriClamp).

The machine is driven by a frequency-controlled 3-phase AC motor without clutch via a flat belt. The optional Westfalia Separator® **wewatch**® system permits permanent monitoring of bearing condition and smooth rotation as a basis for targeted preventive maintenance.

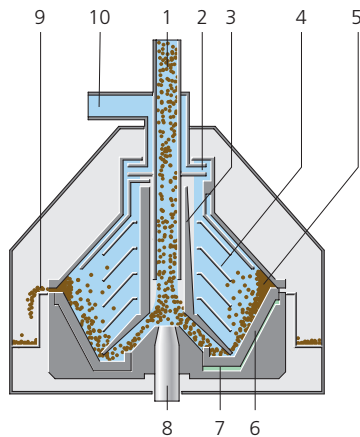
The cast iron frame and the motor of the machine are completely clad with stainless steel.

All product-contacting parts are made of stainless steel. FDA approved materials are available for the seals.

The hygienic design of the separator is certified by 3-A sanitary standards.

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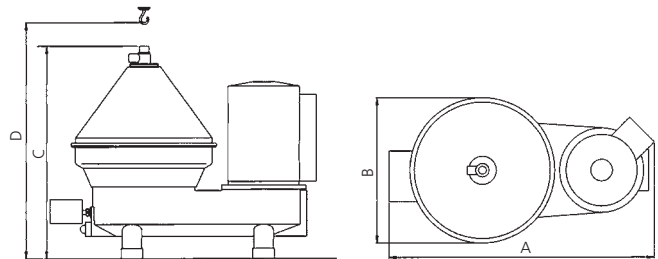
Operating principles and constructional features



- | | |
|------------------------|-------------------------------|
| 1 Product feed | 6 Sliding piston |
| 2 Centripetal pump | 7 Closing chamber |
| 3 Distributor | 8 Spindle, drive |
| 4 Disk stack | 9 Solids ejection port |
| 5 Solids holding space | 10 Discharge, clarified phase |

Capacity	
Milk clarifying	75,000 l/h
Process data	
Solids space	19.0 l
Feed pressure	0.5 bar
Useful discharge pressure	1.0 bar
Energy requirement	
Motor rating	75 kW
Operating water	150 l/h
Cooling water	200 l/h
Control air	0.02 Nm ³ /h
Weights	
Separator, complete	4000 kg
Bowl	1250 kg

Dimensions



Type	A	B	C	D
MSE 350	2300 mm	1305 mm	2000 mm	2900 mm

Standard scope of delivery

- 3-phase AC motor
- Base frame
- Stainless steel cladding
- Special tools
- Basic spare parts
- Gear oil

Options

- Solids tank or solids discharge
- Feed flow control
- Back pressure control
- Process control (PLC)
- Motor control (MCC)
- Westfalia Separator® wewatch® condition monitoring for preventive maintenance



GEA Mechanical Equipment

GEA Westfalia Separator

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