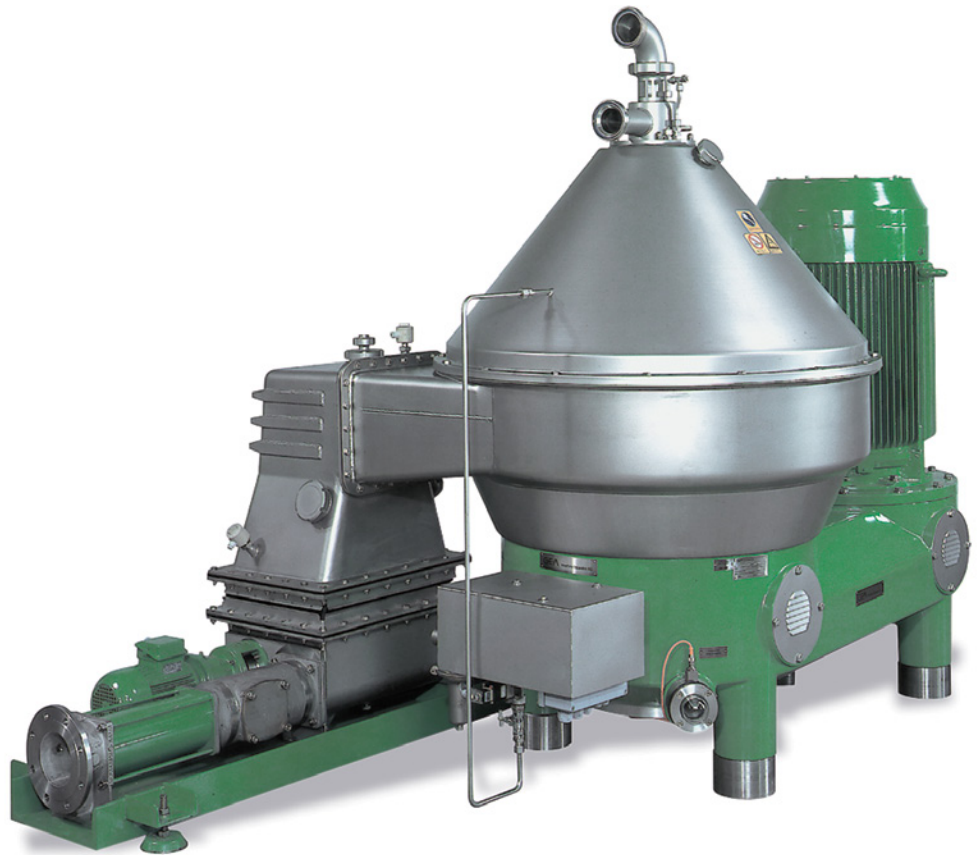


Separator GSC 150-06/36-777

Technical Data | Beverage clarification



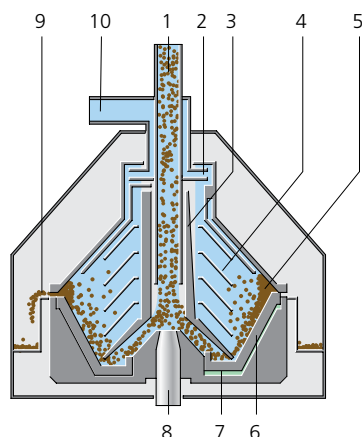
This centrifuge has been designed for the clarification of beverages. With the patented GEA Westfalia Separator **hydrostop** bowl ejection system, this machine is suitable particularly for applications where the prime target is high yield. High solid contents likewise present no problem. The self-cleaning bowl makes the machine suitable for fully automatic cleaning-in-place.

The feed and discharge are in a closed system. The product feed and discharges in the bowl are hydrohermetically sealed and do not feature mechanical seals. The feed and discharge are rated to suit the respective application. The machine is driven by a 3-phase AC motor via a low-maintenance flat belt.

All product-contacting parts are made of stainless steel; the gaskets conform to the requirements of food operations. The optional GEA Westfalia Separator **wewatch**® system permits permanent monitoring of bearing condition and smooth rotation as a basis for targeted pro-active maintenance.

Technical Data GSC 150-06/36-777

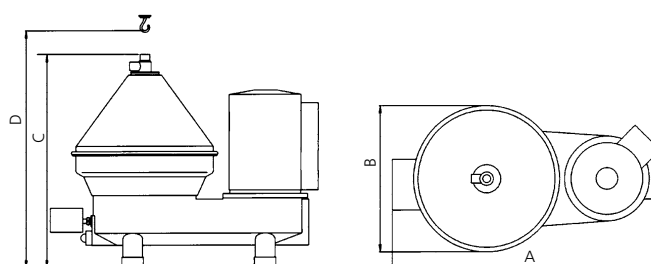
Operating principles and constructional features



- | | |
|------------------------|-------------------------------|
| 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	
Hydraulic capacity	90,000 liters/h
Process data	
Solids space	25.0 liters
Maximum discharge pressure	6.0 bar
Energy requirement	
Motor rating	55 – 75 kW
Weights	
Separator, complete	4145 kg (9138 lb)
Bowl	1145 kg (2524 lb)

Dimensions in mm (inch)



A	B	C	D
2910 (115)	1700 (67)	2070 (82)	3000 (118)

Standard scope of delivery

- Control unit for the automatic program control
- 3-phase AC motor
- Motor control
- Valves and connecting parts for utilities
- Special tools
- Set of standard spare parts for one year's operation

Additional equipment

(available at extra charge)

Ready-to-connect valve block

for process control contains:

- Turbidity meter
- Feed and discharge valves
- Flush water connection
- Sewer discharge
- Flow regulator
- Pressure gauge
- Speed measuring device
- Vibration monitoring system
- Ejection tank with level probes
- Solids pump

Monitoring:

- Monitoring of the clarified liquid
- Bowl ejection
- Operating water pressure
- Level in solids tank
- Speed
- Motor
- Lubricating oil flow
- Standstill
- Vibrations

GEA Mechanical Equipment

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