

Data Sheet

TC 100 Separator

TC 100-01-006

Separator with double centripetal pump, regulating rings for heavy and light liquid phases and bowl drain holes

TC 100-...-576

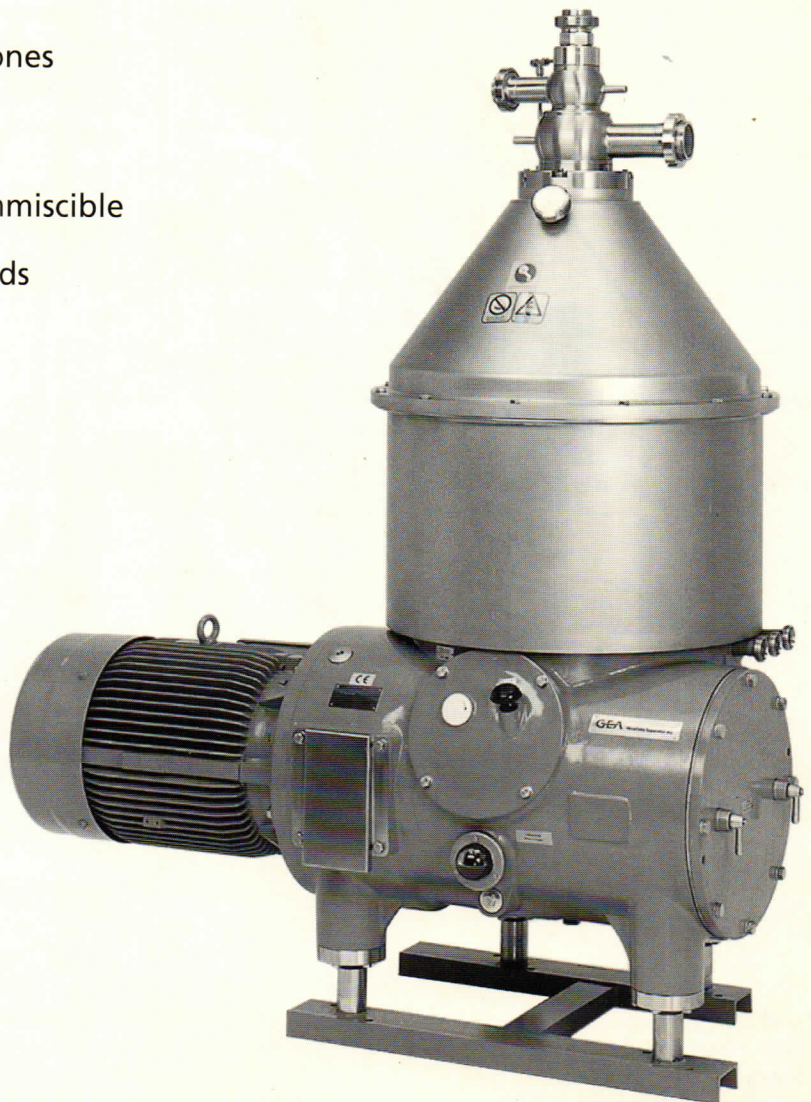
For use in explosion-hazarded zones

Function

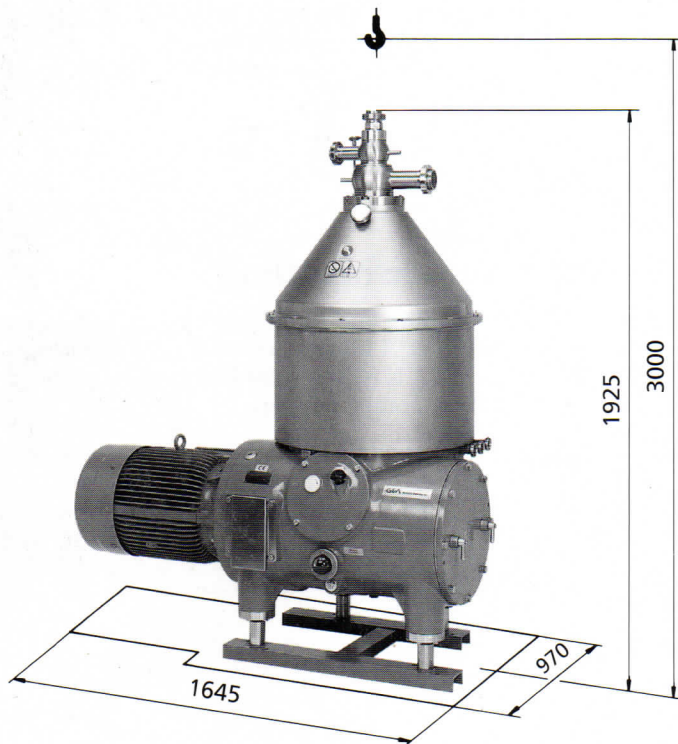
Continuous separation of two immiscible liquids of different density with simultaneous removal of the solids

Fields of application

Chemical and pharmaceutical industries



Technical data



Dimensions in mm

Technical Data

Bowl

Speed at 50 Hz	4950 min ⁻¹
Speed at 60 Hz	4900 min ⁻¹
Volume	60 l
Volume of solids holding space	16 l

Centripetal pump

Light phase, pressure head, Hd	1,5 bar
Heavy phase, pressure head, Hd	4 bar

* Dependent on the density of the respective liquid phase

Three-phase AC motor

Power rating	max. 37 kW
Speed at 50 Hz	1500 min ⁻¹
Speed at 60 Hz	1800 min ⁻¹
Design	IM B5
Enclosure	IP 55

Weights and shipping data

Weight

Separator with motor, accessories and bowl	net 1900 kg
	gross 2100 kg
Bowl	net 600 kg

Case dimensions (L x W x H)

Separator compl. with motor control	1800 x 1350 x 1420 mm
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Shipping volume

3.45 m³

Capacity

Rated capacity	60 000 l/h
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The rated capacity indicates the maximum throughput capacity of the bowl.
The actual capacity is usually lower and depends on the product and the required clarifying efficiency.

GEA Westfalia Separator AG

Mechanical Separation
Division

Westfalia Separator AG · Separation Technology · Werner-Habig-Straße 1 · D-59302 Oelde (F.R. Germany)
Tel.: +49 (0) 25 22 / 77-0 · Fax: +49 (0) 25 22 / 77-24 88 · Internet: <http://www.westfalia-separator.com>