



The Next Generation in Centrifuge Technology

## FLOTTWEG C5E DECANTER

The New Environmental Centrifuge  
for Capacities up to 60 m<sup>3</sup>/h (Dewatering)  
and 90 m<sup>3</sup>/h (Thickening)



## The New C5E Environmental Centrifuge



Clean water is not an unlimited resource. In order to continue to provide clean water in the future, responsible treatment of our environment is more important than ever.

The new Flottweg C5E centrifuge is a modern high performance decanter for dewatering (capacity up to 60 m<sup>3</sup>/h) and thickening (capacity up to 90 m<sup>3</sup>/h) waste water sludges.

It is specifically designed to maximize the efficiency of thickening and dewatering applications at municipal waste water facilities. The

combination of superior separation efficiency, excellent price/performance ratio, compact footprint and ergonomic design help contribute to better overall centrifuge performance in waste water treatment plants than ever before. All product-wetted parts are made of high-grade stainless steel. Equipped with a sound-insulated housing, customers receive with the C5E the most modern decanter technology available manufactured to traditional FLOTTWEG quality standards.

In addition, the new C5E excels in energy efficiency. The bowl is driven by an electric motor with a frequency inverter, the scroll driven by the proven FLOTTWEG SIMP-DRIVE®. Optimum thickening and dewatering are absolutely necessary for efficient and economic treatment of sludges which can include reuse, incineration or landfilling. The new FLOTTWEG centrifuge C5E is designed specifically for this purpose.

### Design features

<b>Rotor</b>	State-of-the-art FLOTTWEG dewatering and thickening technology with optimal scroll and bowl design for optimal product treatment and recovery, reduced energy demand, and minimal flocculant usage. Effective wear protection, use of premium bearings, and robust construction ensure a long life cycle. Maintenance friendly, easy access design.
<b>Construction materials</b>	All product wetted parts are made of high-grade stainless steel including Duplex and 1.4571 (AISI 316 TI).
<b>Housing</b>	Vapor-tight, sound insulated cover, easy to open. Replaceable wear protection in the solids discharge section.
<b>Base</b>	Compact steel base frame with rubber vibration isolators, protected cable and lubrication supply lines, belt guard.
<b>Drive</b>	Bowl drive via electric motor with frequency inverter, scroll drive via FLOTTWEG SIMP-DRIVE®, high-torque, energy efficient, maintenance friendly. Regulated utilizing the new automated FLOTTWEG TOUCH-CONTROL system.
<b>Machine design</b>	Ergonomic design for easy access to the motors, drive, housing, and rotor. Position of the motors ensures a compact footprint.
<b>Technical data</b>	Length x Width x Height 4100 mm x 1515 mm x 1200 mm; maximum 3000xG.

Subject to modifications

® = registered trademark in various countries

**FLOTTWEG products are  
designed and manufactured  
in GERMANY!**

Representative:



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