

THE NEW CENTRIFUGE GENERATION



FLOTTWEG DECANTER CENTRIFUGE C7E

The high-performance environmental centrifuge for capacities up to 120 m³/h (530 GPM) for dewatering or 160 m³/h (700 GPM) for thickening



THE NEW FLOTTWEG ENVIRONMENTAL CENTRIFUGE C7E

Clean water is an indispensable resource. In order to be able to assure fresh water supply in future, efficient wastewater treatment is a basic requirement. Wastewater processing is part of this issue.

For this application, FLOTTWEG has developed the environmental centrifuge C7E, a modern high performance decanter centrifuge for dewatering wastewater of up to 120m³/h (500 GPM) or for thickening wastewater of up to 160m³/h (700 GPM). Superior separation efficiency, excellent price/performance ratio, and compact footprint help contribute to better overall centrifuge performance in waste water treatment. All product-wetted parts are made of high-grade stainless steel. Along with a sound-insulated housing and cover, customers receive the most modern decanter technology available manufactured to traditional FLOTTWEG quality standards. In addition, the new C7E excels in energy efficiency. The bowl is driven by an electric motor with a frequency inverter (VFD) and the scroll by the proven FLOTTWEG SIMP-DRIVE®.



As an option, state-of-the-art weir plates named **RECUVANE*** are available. This feature has been especially developed by FLOTTWEG to recover energy. Thus, the C7E can operate with **30 % less power consumption** compared to standard decanters. Fresh water is only required to prepare the polymer solution. The sound insulated housing eliminates the need for additional noise protection measures. Easy accessibility to service points as well as on-site replaceable wear parts, dramatically reduces downtime for maintenance since it can be carried out quickly and easily.

Regardless of whether the sludge after dewatering is reused as fertilizer, disposed of in landfills, or incinerated; continuous thickening and maximum dewatering are prerequisites. The new C7E is designed specifically for this purpose.

QUALITY „MADE IN GERMANY“



FLOTTWEG is ISO 9001 certified and manufactures its products in compliance with all current technical standards.



*) Applied for trade mark registration

FLOTTWEG DECANTER C7E

DESIGNED ESPECIALLY FOR WASTEWATER TREATMENT



DESIGN FEATURES

FLOTTWEG DECANTER C7E-4/454	
Rotor	State-of-the-art FLOTTWEG dewatering technology with optimal scroll and bowl design for high product compaction 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
Construction materials	All product wetted parts are made of high-grade stainless steel including Duplex and 1.4571 (AISI 316 TI)
Housing	Vapor-tight, sound insulated cover, easy to open, replaceable wear protection in the solids discharge area
Base	Compact steel base frame with rubber vibration isolators, conduct and lubrication supply lines
Belt guard	Belt-guard consisting of several parts for easy handling, sound insulation
Drive	Bowl drive via electric motor with frequency inverter (VFD), scroll drive via FLOTTWEG SIMP-DRIVE. High-torque, energy efficient, maintenance friendly. Regulated and adjusted using the new FLOTTWEG TOUCH CONTROL system
Machine design	Ergonomic design for easy access to the motors, drive, housing, and rotor. Position of the motors ensures a compact footprint
Technical data	Length x width x height 4800 x 1720 x 1400 mm; maximum 3000 x g

Subject to changes





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