

THE NEW C-XI DECANTER SERIES

Ma**XI**mum Power
Ma**XI**mum G Forces
Ma**XI**mum Dry Substance



THE NEW FLOTTWEG C-XI DECANter SERIES

High Quality, Efficiency, and Long Service Life

The new Flottweg C-XI Decanter centrifuge was specifically developed for the wastewater market. Requirements in this area have evolved continually over the past few years. Flottweg has responded to the new, stricter requirements with development of the C-XI decanter series. Some sewage sludge requires additional dewatering. By developing a decanter centrifuge designed specifically for these requirements, Flottweg – as usual – stands out for its efficiency and quality, because for operators of sewage treatment plants, dryer sludge means significant cost reductions (transport, disposal, etc.).



MAXIMUM G FORCES

during dewatering help separate the remaining moisture from the sludge. The higher the **maXimum G forces** within the bowl of the decanter, the better the dewatering performance – in other words, the dryer the processed sludge will be. Since this is significantly dryer after handling by a C-XI decanter centrifuge than with conventional decanter centrifuges or other systems for sludge treatment, sewage treatment plant operators save enormous costs. Depending on the size of the sewage treatment plant, a gain of one percent dry substance (DS) can lead to saving of thousands of Euros. Decide on the new C-XI decanter from Flottweg today.



The advantages of the C-XI series at a glance

- Reliable force transmission at very high loads
- Stronger gearbox for the more powerful drive
- Higher G forces for better dewatering performance
- Better solid conveying for more throughput
- Optimized scroll body for perfect conveying of the separated solids
- Minimum downtime thanks to the extremely maintenance-friendly design of the C-XI series
- Additional energy savings of about 20 percent are possible, due to the Flottweg Recuvane® System
- Top lifetime due to the use of highest-quality stainless steel and optimized wear protection packages
- Continuous outstanding separation results, due to an automatic and independent regulation of the bowl and differential speed (Simp Drive®)

FLOTTWEG SEPARATION TECHNOLOGY

The New C-XI Decanter Series



MAXIMUM POWER

for decanter centrifuges means that high RPM is needed to obtain the dewatering results desired. The forces associated with high RPM require a powerful drive, a reliable and reinforced gearbox, and perfect, automatic response to different load conditions. These requirements are met using the Simp Drive®. Make your own decision about the **maXimum power** of the new C-XI.



A MAXIMUM DRY SUBSTANCE

symbolizes the result of an effective separation process within a decanter centrifuge. Solids settle at the inner wall of the bowl due to the influence of centrifugal force. The scroll is the conveying tool in a decanter. It rotates at a differential speed (in relation to the bowl) and transports the settled solids towards the conically narrowing end of the bowl. A scroll slope or scroll geometry specifically optimized to the

needs of the sewage treatment market can result in even better quality of separation and dewatering which lead to an increased dry substance.

What does it mean to be "even better"?

Changing the geometry of the scroll body increases the solid concentration within the decanter bowl even more, which – due to the pressing action – leads to more effective dewatering of the sludge and a higher content of dry substance. With the C-XI decanter series, Flottweg is driving the C series already successful on the market to never-before-seen heights of performance.

**MAXIMUM
POWER**

**MAXIMUM
G FORCES**

**MAXIMUM
DRY SUB-
STANCE**



CONVINCE YOURSELF
ABOUT THE MAXIMUM
FLOTTWEG EFFICIENCY!

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**The new C-XI Series
Made in Germany**



Flottweg Separation Technology – Engineered For Your Success



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