

**FLOTTWEG RECUVANE®**  
Reduce Your Energy Costs



# THE FLOTTWEG RECUVANE®-SYSTEM

## The Simple Way to Reduce the Power Consumption of Your Decanter Centrifuge

Increasing energy costs will result in higher operating costs of your de-canter centrifuge. The Flottweg Recuvane®-System helps to reduce power consumption and therefore save money. There is, however, no reduction of capacity..

### HOW IT WORKS

The decanter needs energy to accelerate the sludge to the rotational speed. Normally, the centrate discharges radially by gravity over conventional weir plates. The energy included in the water, however, gets lost.

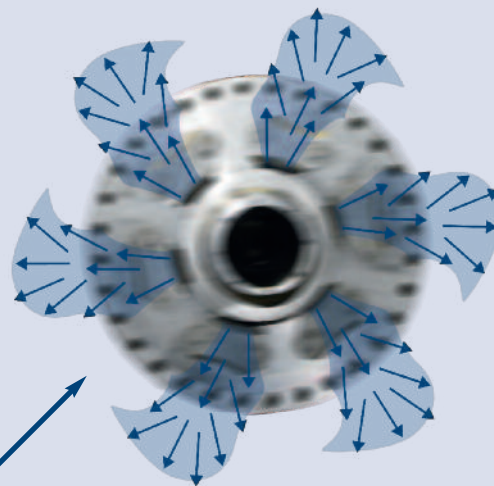
Thanks to the special construction of the Flottweg Recuvane®-System, the centrate water can be discharged in a specific way and the energy recovered during discharge supports the main drive thus saving 10 to 30 % of the operating power depending on the pond depth and the sludge.

### Benefits of the Flottweg Recuvane®-System

- Reduced power consumption of your decanter centrifuge (10 – 30 %)\*
- Quick pay back
- Easy retrofitting
- Solely mechanical, robust design
- Existing separation processes do not need to be modified
- For optimum operation, it is possible to adjust different pond depths

*\* depending on pond depth and sludge characteristics*

TECHNICAL INFO

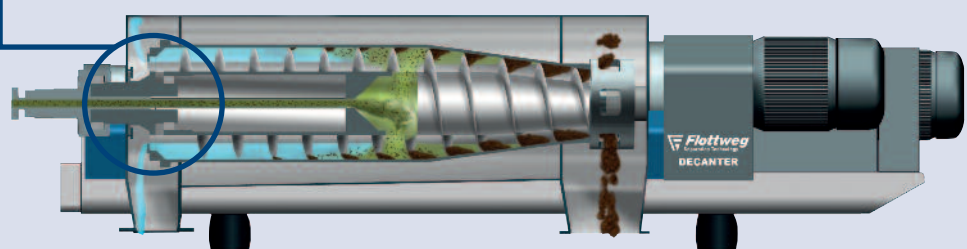


conventional design

reduced energy consumption  
(up to 30%)\*

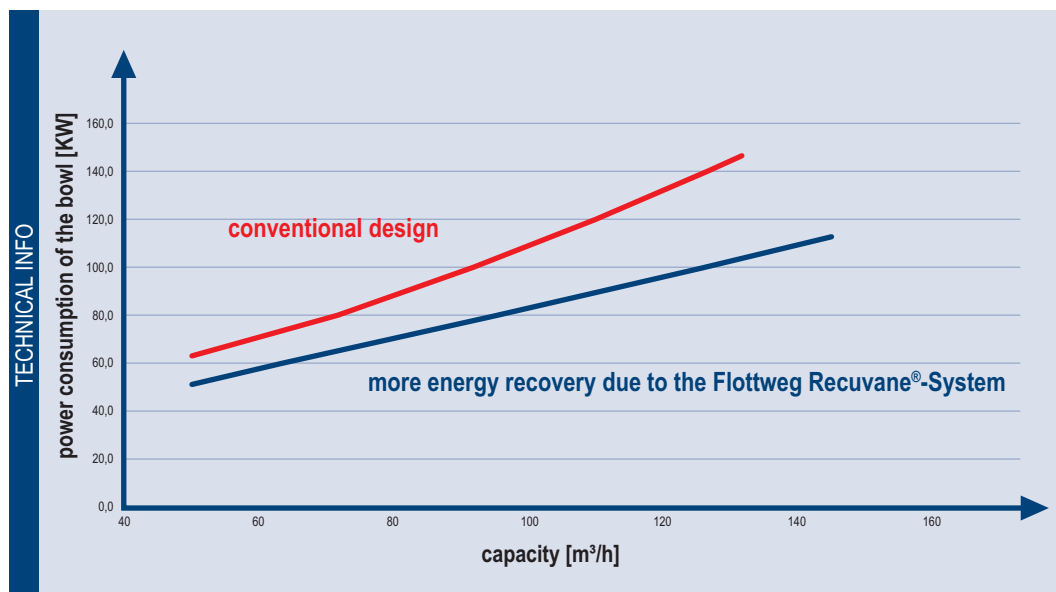


specific discharge using Recuvane®



Discharge of the centrate water

# BENCH MARK TEST WITH A FLOTTWEG DECANTER C7E\*



\* The diagram shows a benchmark test using the example of a Flottweg Decanter in a German sewage treatment plant. The figures were determined for a decanter C7E.

## THE RECUVANE®-SYSTEM IS AVAILABLE FOR THE FOLLOWING DECANTER CENTRIFUGES

SERIES WHICH ARE COMPATIBLE WITH RECUVANE®	
Flottweg C-series	C2E, C3E, C4E, C5E, C7E
Flottweg Z-series	Z3E, Z4E, Z5E, Z6E, Z8E, Z73, Z92



# Flottweg Separation Technology – Engineered For Your Success



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