

FLOTTWEG RECUVANE
Reduce your energy costs!



THE FLOTTWEG RECUVANE SYSTEM

The easy way to reduce the power consumption of your decanter centrifuge

Increasing energy costs will result in higher operating costs of your decanter centrifuge. The FLOTTWEG RECUVANE system helps to reduce power consumption and therefore save money. It does not impact on the capacity of the decanter.

HOW IT WORKS

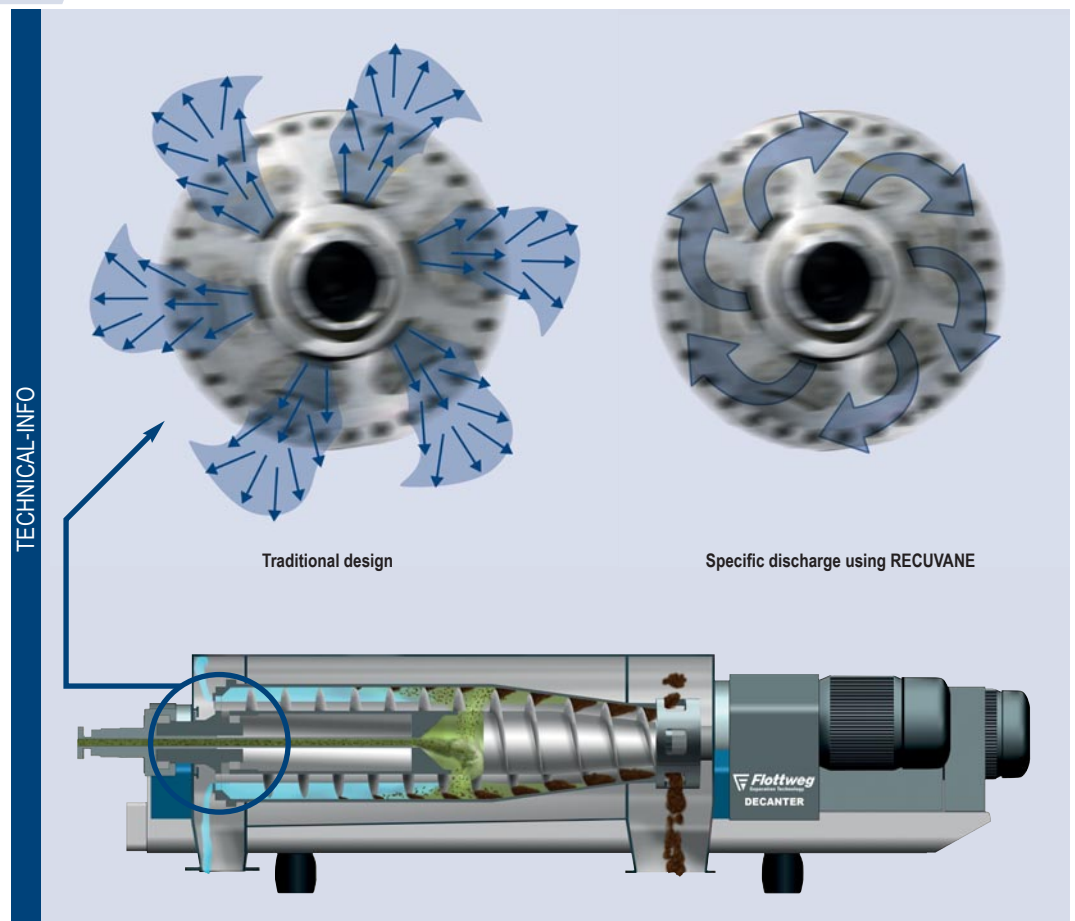
The decanter needs energy to accelerate the sludge to the rotational speed. Typically, the centrate water separated from the solids is discharged by gravity with the help of the impeller disc. However, the energy included in the water is lost.

Thanks to the special construction of the RECUVANE system the centrate water can be discharged in a specific way and the energy recovered during discharge utilized by supporting the main drive, thus saving 10 to 20% of the operating power depending on the pond depth and the sludge.

Benefits of the FLOTTWEG RECUVANE system

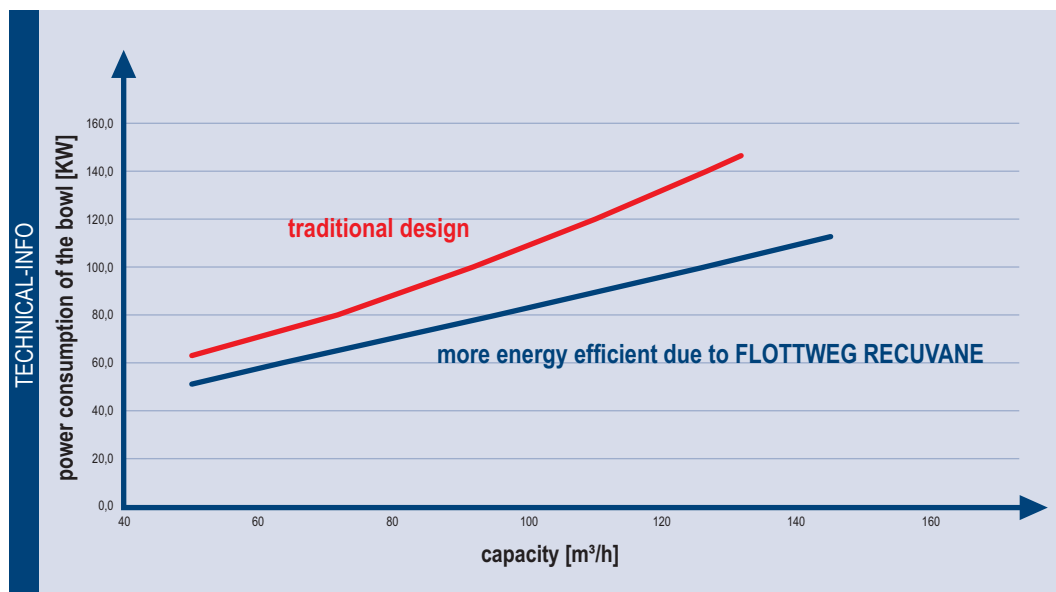
- Reduced power consumption of your decanter centrifuge (10 - 20%)*
- Quick pay back
- Easy retrofitting
- Existing separation processes do not need to be modified
- For optimum operation, it is possible to adjust different pond depths

** depending on pond depth and sludge characteristics*



Discharge of the centrate water

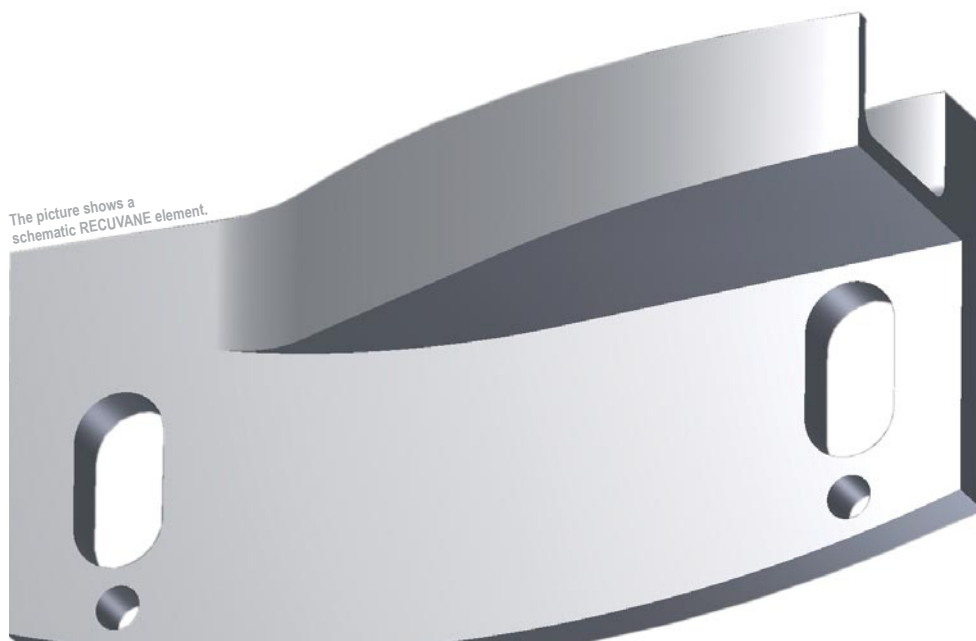
BENCH MARK TEST WITH A FLOTTWEG DECANTER C7E*



* The diagram shows a bench mark 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	C3E, C4E, C5E, C7E
FLOTTWEG Z-series	Z5E, Z6E, Z8E, Z73, Z92



The picture shows a schematic RECUVANE element.



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