



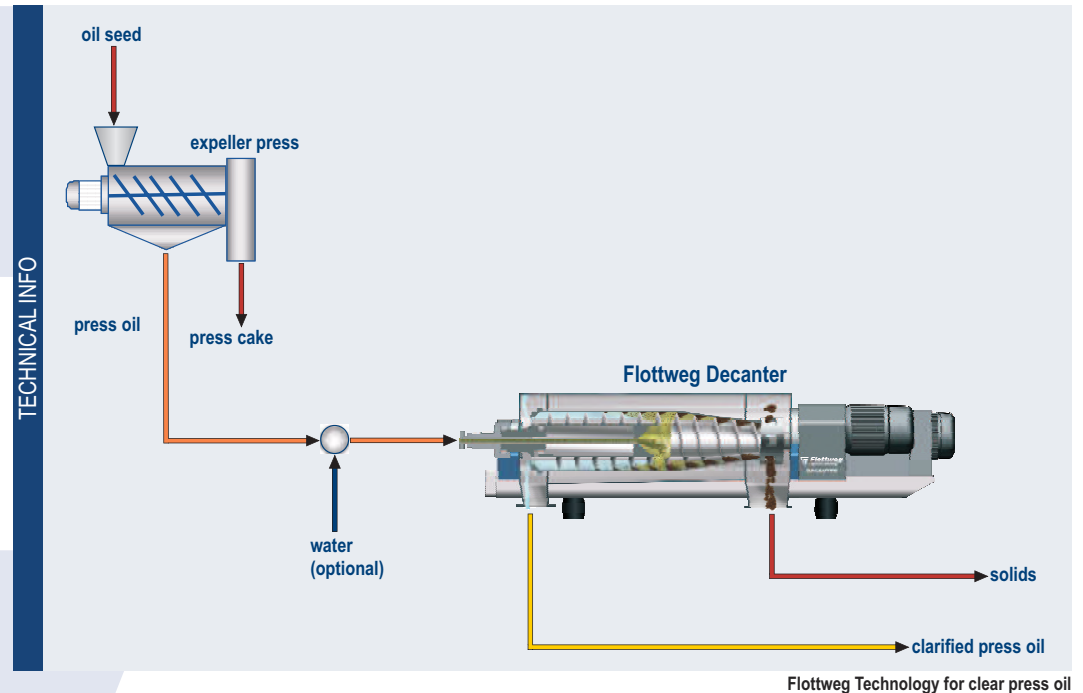
## FLOTTWEG DECANTER CENTRIFUGES FOR PRESS OIL CLARIFICATION

High Yields and Perfect Quality



# FLOTTWEG SEPARATION TECHNOLOGY

## Recovery of Clear and Clean Press Oil



### Benefits of Flottweg Decanter Centrifuges

- Recovery of clear and clean press oil
- Flottweg Decanter Centrifuges are suitable for any kind of press oil.
- Maximum flexibility thanks to the Flottweg Simp Drive®
- All product-wetted parts are made from stainless steel.
- Adaptation to different conditions thanks to the adjustable impeller
- High oil yields
- No filter aids required



# ENGINEERED FOR YOUR SUCCESS

## Flottweg Decanters for the Recovery of Press Oil



### SIMP DRIVE®: SIMPLE, INTELLIGENT, MODULAR AND POWERFUL

The Simp Drive® regulates the differential speed between the decanter bowl and decanter scroll depending on the prevailing scroll torque. The differential speed determines the length of time the solid remains in the bowl, and thus has a significant influence on the separation process. The bowl speed and differential speed can be adjusted independently of one another during ongoing operation. This is guaranteed by a special transmission mechanism of the Simp Drive® (special planetary epicyclic gear unit).

### Customer benefits of the Flottweg Simp Drive®

- High flexibility in the selection of the operating speed
- High throughput performance due to high bowl speed and precisely adjusted differential speed
- Simp Drive® for a broad range of applications in which continuous adaption of operating parameters is required
- Machine can be cleared out even at a standstill, because the scroll can still be turned (no need to dismantle system components)



### ADJUSTABLE IMPELLER

Normally, the clarified liquid runs out of a decanter without pressure over weir plates. As an alternative to the weir plates, operators of systems can also transport the clarified liquid away using an impeller. This means the clarified liquid runs out in a closed system under pressure.

A refinement of the impeller is the adjustable impeller. In this variant, an adjustment mechanism alters the position of the impeller. This means the liquid flows out at different diameters (simply by moving a lever). Furthermore, adjusting the impeller optimizes the separating performance, because it is possible to respond quickly to changes in product properties in the feed.

### Customer benefits of the variable impeller

- Immediate adjustment of the impeller during ongoing operation
- Optimum adjustment to changing conditions (product characteristics in the feed)
- Perfect separation efficiency, thus optimum results
- Exact and variable adjustment of the pond depth by changing the diameter of the weir plates
- Automation is possible.

### SPECIFICALLY ADAPTED TO YOUR REQUIREMENTS

Flottweg Decanter Centrifuges for press oil clarification are available in different sizes for different capacities. Flottweg also offers you the option to use the adjustable impeller in all the models of Z-Series.



TECHNICAL DATA FOR FLOTTWEG DECANTER CENTRIFUGES					
Model	Z2E-4/451	Z3E-4/451	Z4E-4/451	Z5E-4/451	Z6E-4/451
Capacity	1,5 t/h*	3,5 t/h*	12 t/h*	23 t/h*	40 t/h*

\* The figures listed are guidelines only. Actual capacity depends on the specific characteristics of the feed product.

# Flottweg Separation Technology – Engineered For Your Success



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