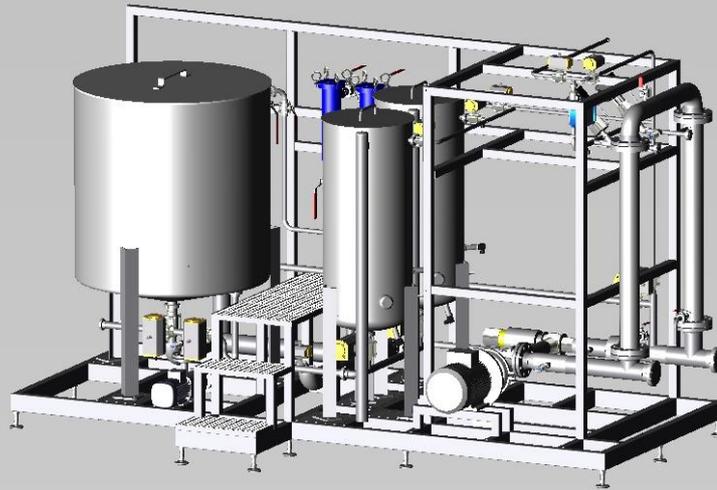


Recovery of Beer from Yeast

Yeast Recycler



The Principle

The Yeast Recycler is used for recovering beer from waste or surplus yeast. Beer recovery allows the brewery to reduce wastewater and to obtain two valuable products: Beer and yeast. While the beer is returned back to the brewing process, the yeast can be sold. For beer recovery cross-flow technology with robust ceramic membranes is used. The modular design is applicable for all brewery sizes. The recovered filtrate is free of yeast and takes up a minimum of oxygen. Recovered beer can be blended back into the brewing process at a ratio of up to 5 % without negatively influencing the quality of the final product. By adding small amounts of water to the waste yeast, beer recovery is optimized by a wash out effect (diafiltration). The advantage of diafiltration is a higher recovery rate. The O_2 content can be monitored by a high precision optical OXYTRANS sensor made by Centec. The Yeast Recycler is highly standardized resulting in low capital costs and a short amortization period.

Typical Technical Data

Capacity

50 - 1.000 hl per day waste/surplus yeast

Material

1.4301/AISI 304; 1.4404/AISI 316L; etc.

Options

in-line O₂ measurement
turbidity measurement
original gravity measurement
water deaeration
blending

Highlights

Excellent quality of recovered beer
Long life ceramic membranes
Customized design; different automation levels

The Centec Group

Centec offer fully automated, skid-mounted process units and high precision measurement technology from a single source. Our systems and sensors are engineered to perfectly meet the most demanding requirements of the brewery, beverage, food and pharmaceutical industries. With a team of experienced engineers, we aim to create quantifiable added value for our customers. We are your partner from planning and design through to commissioning of your plant.



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