

Alfa Laval UniDisc for Brew 450

Disc stack upgrade for Brew separation systems

Introduction

For more than 100 years, Alfa Laval has been supplying separators for various industries. Today, Alfa Laval has the most complete and diverse offering of separators and after sales offerings – each specifically designed for its specific duty and facilitating superior performance and uptime.

Disc stack separation technology uses a stack of settling discs, inside the bowl of a centrifuge to achieve high separation performance from the centrifuge.

Alfa Laval UniDisc® is an innovative and unique disc design which maximizes separation efficiency and hygiene by increasing the surface area of the disc stack.

Application

This unique feature can be applied to multiple food industry applications, suitable for high-capacity and low-solids load applications that have high hygiene requirements.

Using UniDisc® technology in your Alfa Laval Brew separation system, means that either capacity or product clarity can be improved.

Benefits

The UniDisc® design allows for a larger separation area, which translates to increased flow rate capacity. Thanks to the optimized disc stack flow pattern, the beer clarity is further improved. Operating a centrifuge with the unique disk stack allows for lower bowl speed, contributing to reduced power consumption and carbon footprint. UniDisc® micro caulk design also allows for better cleanability and less risk of contamination.

- Increased flow rate capacity
- Improved product clarity
- Lower power consumption
- Improved hygienic design

Design

UniDisc® technology is signified by micro caulks which are produced by form pressing of the discs, a weld-free design. Thanks to the optimized spacing there is room to fit more discs in the disc stack than is possible with traditional designs. That translates into the increased separation area



and improved flow capacity, which boosts the efficiency of your centrifuge.

Installation

The installation of the disc stack is simple and can easily be done by operating personnel on site or during a service visit by Alfa Laval. A manual is provided with the upgrade.

Specifications

The UniDisc® upgrade is available for the listed Alfa Laval separation systems.

Separation systems

Brew 450

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200007476-1-EN-GB

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