



Alfa Laval Optiwia

Water saving Upgrade for Brew and Beverage 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.

Recognizing the fact that we live in a world with finite natural resources, Alfa Laval is pioneering innovative technologies and solutions to help customers unlock the full potential of these resources. Alfa Laval is uniquely positioned to play an essential role in enhancing the efficient use of energy, food, water, and other critical resources on which we all depend, and in this way also contributing to a more sustainable and decarbonized world.

Water is an important area for high speed separators, and with the urging need for water saving solutions, Alfa Laval is now introducing Optiwia™. An innovative water saving solution for customers, enabling reduced water consumption and robust operation of the centrifuge.

Application

The unique upgrade feature is available for the brewery and beverage industry, operating with Alfa Laval separator systems.

Benefits

With the Optiwia™ upgrade, the system allows for up to 70% less water consumption of the centrifuge. In addition to the significant water savings, the system compensates for any variations in site water supply pressure, providing more robustness of centrifuge operation and securing uptime. Thanks to the innovative and smart design, the system secures water savings without the need for a site cooling loop. Upgrading an existing centrifuge with Optiwia™ provides an easy-to-use, cost efficient and easily maintained product.

- Reduced water consumption
- Robust operation
- No need for site cooling loop
- Quick and easy installation

Design

The Optiwia™ water saving unit allows for smart recirculation of the cooling water, enabling for reduced total water consumption. Cooling water is recirculated from the separator



system into the Optiwia™ tank and utilized back in the system again. The system consists of a water collecting tank together with pump, piping and components monitoring temperature and water levels.

Installation

The installation of the Optiwia™ upgrade can easily be done at customer site by operating personnel on site or by Alfa Laval service engineers. The Optiwia™ is connected to existing water connections and serves as a plug and play unit. A manual is provided with the Optiwia™ upgrade kit

Specifications

The Optiwia™ upgrade is available for the listed Alfa Laval separation systems:

Separation systems	
Brewery	Beverage
Brew 250	Clara 200/200S
Brew 350	Clara/PurePulp/CR 250
Brew 450	Clara 350
Brew 600/600e	Clara 400/400S
Brew 750/750e	KR 400
Brew 750/750e	Clara/PurePulp/CR 450
	Clara 600/600D
	Clara/PurePulp/CR 750

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200013679-1-EN-GB

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