Alfa Laval SB Carlsberg Flask

Yeast propagation

Introduction

The Alfa Laval SB Carlsberg Flask is ideal for laboratory-scale wort sterilization and pure yeast culture propagation in brewery applications. The flask is made of materials that meet stringent hygienic requirements and can be easily autoclaved.



Application

The SB Carlsberg Flask is specifically designed for use in the brewery industry.

Benefits

- Sterility assured by all-in-one aseptic design
- Hygienic, easy-to-clean configuration
- Safe and sterile transfer
- Easy to move to location required
- Robust construction for wort sterilization and yeast integrity

Standard design

The Alfa Laval SB Carlsberg Flask consists of a cylindrical container with a flat bottom and top cover equipped with breathing filters and a membrane sample valve for aeration and product transfer. A micro sample port enables aseptic introduction of pure yeast culture by means of a syringe. Compliant to PED 2014/68/EU.

Working principle

The SB Carlsberg Flask is filled to its net capacity with wort, corresponding to approximately 80% of the total volume. Sterilization takes place using an autoclave, a gas burner or an electric hotplate. It is then placed in a refrigerator or a cold room to cool the wort to the desired working temperature. The cold wort is aerated through the membrane sample valve connected to the aeration lance.

Yeast culture can be introduced aseptically through the membrane fitting by means of a syringe. Alternatively, dry yeast culture can be transferred to the flask through the empty filter housing.

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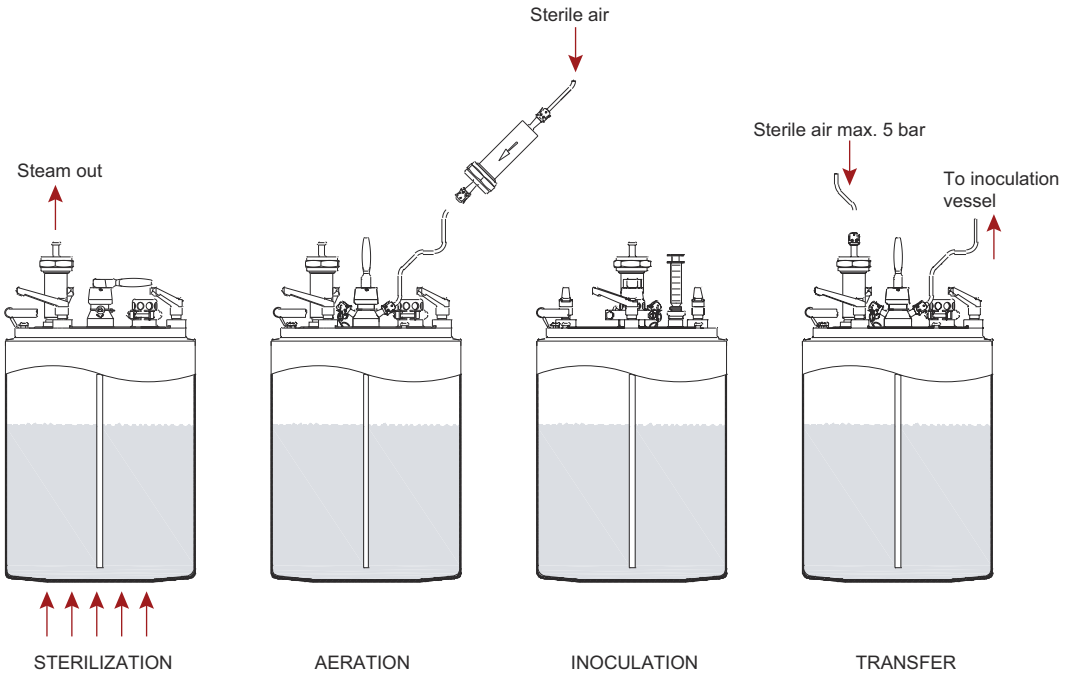
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TECHNICAL DATA

Net volume	Total volume	Recommend transfer pressure	Allowable pressure
25 l	33 l	2-3 bar	6 bar

PHYSICAL DATA

Materials	
Product wetted steel parts:	EN 1.4307 (AISI 304L)
Product wetted seals:	EPDM
Product wetted o-ring:	Silicone



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