

Biosafe® 110 Bottle-shaped Bags

Product Information

Our complete range of Biosafe® 110 bottle-shaped bags offers reliable and easy-to-use solutions for the secure transfer of components and materials while maintaining the integrity of the critical area in isolators, RABS and cleanrooms.

Used in conjunction with the Biosafe® 110 port, the Biosafe® 110 bottle-shaped bags are available in a variety of configurations designed to meet the specific needs of all applications.



Features and Benefits

Aseptic and contained single-use transfer technology	Enhanced sterility assurance and safety
Bag chamber overmolding to the connector	Maximum robustness
Automated bag manufacturing process	High cleanliness
Bottle-shaped bag design	Material transfer efficiency
Flexible portfolio with different configurations	Highly adaptable for various process needs and sterilization types

Applications

Biosafe® 110 bottle-shaped bags allow the transfer of stoppers, plungers, seals, plastic bottles | components, and various other components between two environments with different air quality classifications. The Biosafe® 110 aseptic transfer bags are the single-use alternative to traditional stainless steel rigid transfer containers in a large variety of applications. This transfer is done thanks to the Biosafe® 110 port which is installed on the wall of the critical area.

Enhanced sterility assurance and safety

Single-use Biosafe® 110 bags improve process safety by reducing the risk of cross-contamination from batch to batch and product to product. The ports also eliminate the need for costly and time consuming cleaning and sterilization procedures that are required with traditional transfer containers.

Maximum robustness for the bag and the connection

The overmolding of the bottle-shaped bag film directly onto the flange of the connector results in a high level of robustness of the attachment.

The bottle-shaped bags have been extensively qualified to ensure highest robustness of the container in comparison with the real conditions of use of the Biosafe® 110 bags when they are filled with components.

High cleanliness

The manufacturing process of the Biosafe® 110 bottle-shaped bags has been improved to bring automation to the most critical assembly steps, resulting in a high cleanliness level of the final product.

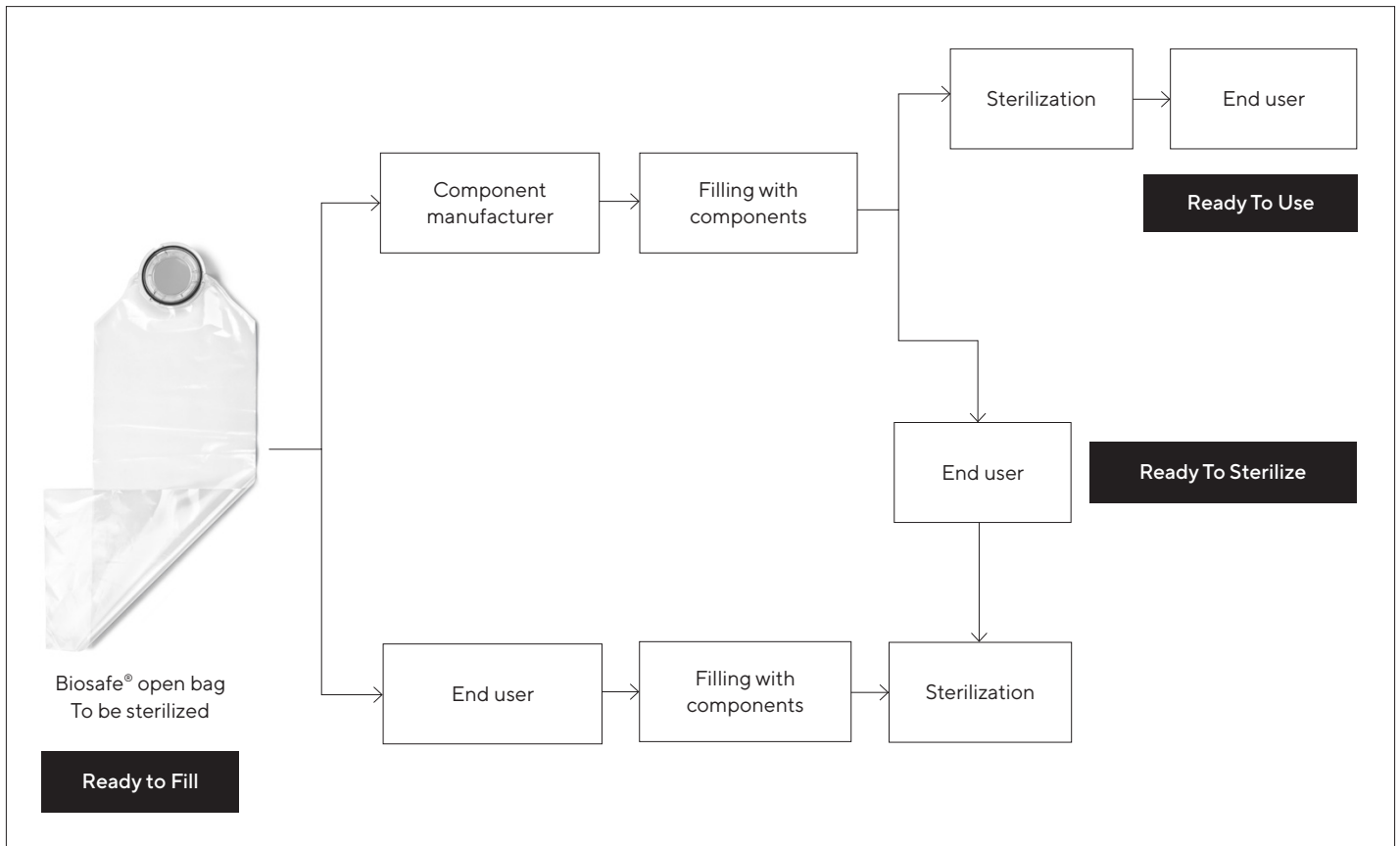
Improved material transfer efficiency

The bottle shape of the Biosafe® 110 bag allows for the efficient and simple transfer of components to the critical area.

Highly adaptable for various applications and sterilization types

The Biosafe® 110 aseptic transfer bags can be manufactured with several optional add-ons to best fit your requirements. An inner flexible sleeve or rigid collar can be deployed in the critical area to guide the components during their passage through the Biosafe® 110 port. A protective cover over the Biosafe® 110 connector protects from particle contamination prior to docking the bag.

Applications	Biosafe® 110 bottle-shaped bag configuration(s)
Closure component transfer: for pre-fillable syringes	<ul style="list-style-type: none"> ▪ Steam gamma sterilizable bags ▪ Prefilled by component manufacturer; ▪ Filled by end user; ▪ Sterilized by component manufacturer or end user
Closure component transfer: for vials & cartridges	<ul style="list-style-type: none"> ▪ Steam gamma sterilizable bags ▪ Prefilled by component manufacturer; ▪ Filled by end user; ▪ Sterilized by component manufacturer or end user
Tools Filling parts entry	<ul style="list-style-type: none"> ▪ Steam sterilizable bags ▪ Filled by end user; ▪ Steam sterilized by end user



Technical Data

Specifications

Material of construction		
Type of bag	Steam sterilizable	Gamma sterilizable
Film	DuPont™ Tyvek® HDPE ¹ 80 µm	PE PA PE ² 120 µm
Connector	PC ³ port, HDPE over molding 110 mm useful diameter	PC ³ port, HDPE over molding 110 mm useful diameter
Options available		
Rigid collar* for external opening port	PC	PC
Protective cover	DuPont™ Tyvek®	DuPont™ Tyvek®

*The rigid collar can also be used with the inside opening port

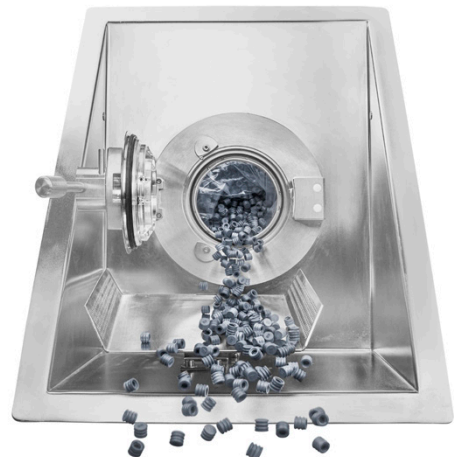
Reference	Bag dimensions	Sterilization	Working volume	Options	
				Rigid collar	Protective cover
Biosafe® 110 bags – steam sterilizable					
BIO1502IR	850 × 350 mm	One steam sterilization cycle at 121°C for 30 minutes	25 L		
BIO1502MMIR	850 × 350 mm	One steam sterilization cycle at 121°C for 30 minutes	25 L		■
BIO1502TRIR	850 × 350 mm	One steam sterilization cycle at 121°C for 30 minutes	25 L	■	
BIO1502TRMMIR	850 × 350 mm	One steam sterilization cycle at 121°C for 30 minutes	25 L	■	■
Biosafe® 110 bags – gamma sterilizable					
BIO1002	1000 × 350 mm	To be gamma sterilized 25 – 45 kGy	31 L		
BIO1002MM	1000 × 350 mm	To be gamma sterilized 25 – 45 kGy	31 L		■
BIO1002TR	1000 × 350 mm	To be gamma sterilized 25 – 45 kGy	31 L	■	
BIO1002TRMM	1000 × 350 mm	To be gamma sterilized 25 – 45 kGy	31 L	■	■

¹ HDPE : High Density Polyethylene

² PE | PA | PE : Polyethylene | Polyamide | Polyethylene

³ PC : Polycarbonate

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Ordering Information

Reference	Description	Pack size
BIO1502IR	Biosafe® 110 bottle-shaped bag autoclavable	28
BIO1502MMIR	Biosafe® 110 bottle-shaped bag autoclavable with protective cover	28
BIO1502TRIR	Biosafe® 110 bottle-shaped bag autoclavable with rigid collar	20
BIO1502TRMMIR	Biosafe® 110 bottle-shaped bag autoclavable with rigid collar and protective cover	20
BIO1002	Biosafe® 110 bottle-shaped bag gamma sterilizable	28
BIO1002MM	Biosafe® 110 bottle-shaped bag gamma sterilizable with protective cover	28
BIO1002TR	Biosafe® 110 bottle-shaped bag gamma sterilizable with rigid collar	20
BIO1002TRMM	Biosafe® 110 bottle-shaped bag gamma sterilizable with rigid collar and protective cover	20

Library

Further documentation is available upon request:


- Biosafe® 110 bottle-shaped bags validation guide
- Biosafe® 110 user manual
- Biosafe® 110 ports datasheet

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