

Spinner Flask Accessories

Single-use technologies are playing a key role in the reduction in risk of cross contamination in addition to time and cost benefits associated with assembly, cleaning and cleaning validation¹. Bio-Simplex™ Spinner Flask Accessories are designed to allow user to maintain their current investment in glassware, but with the convenience of a single-use filling assembly. Molded one piece construction creates a seamless fluid path and unobstructed inner bore, eliminates contamination and product loss due to loose connections. The assembly includes 1.) an EZ Top® stopper, made from C-Flex® pharmaceutical grade animal derived component free (ADCF) thermoplastic elastomer (TPE) resin and tubing to insure an unobstructed fluid path, extremely low levels of extractables and provide an elastomeric seal against glass, plastic and metal surfaces; 2.) a Bio-Simplex™ FlexJoint™ which uses a patent-pending design and construction to accommodate angle deviation in hand blown spinner flasks and eliminate tube kinking and shape loss after autoclaving and 3.) a polypropylene cap. Bio-Simplex™ Spinner Flask Accessories are easily used with sterile connecting devices and thermal tubing sealers. We offer standard 2 and 3 port configurations in 1, 3, 8, 15 and 36 Liter sizes, sold as single items. All are autoclavable.

Customer-generated designs, sizes, packaging and other options — such as connectors, heat-sealed ends or alternate materials — are available as custom orders.

¹ As noted in *Pharmaceutical Technology Europe*, January, 2006.



Bio-Simplex™ Spinner Flask Accessories feature the EZ Top® Assembly and cap. Glassware shown is representational of final usage and not included in assembly.



Spinner Flask Closure Assembly and cap. Cap colors may vary.

SPINNER FLASK SIZE	2 PORT	3 PORT
1 Liter	SFA01L-2EZ	SFA01L-3EZ
3 Liter	SFA03L-2EZ	SFA03L-3EZ
8 Liter	SFA08L-2EZ	SFA08L-3EZ
15 Liter	SFA15L-2EZ	SFA15L-3EZ
36 Liter	SFA36L-2EZ	SFA36L-3EZ

For more detailed specs on Bio-Simplex™ Spinner Flask Accessories, please see our product spec sheets.

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The diagram illustrates the assembly of Bio-Simplex Spinner Flask Accessories. It shows a central flask with two different configurations: a 2-port accessory and a 3-port accessory. The 2-port accessory features a standard polypropylene cap and a bendable Bio-Simplex Flex-Joint. The 3-port accessory also features a standard polypropylene cap and a bendable Bio-Simplex Flex-Joint. The EZ Top closure assembly is shown in detail, highlighting the thermal bond between the stopper and tubing. The C-Flex pharmaceutical grade ADCF TPE tubing material is shown connecting to the flask. The diagram also shows a standard polypropylene cap and a bendable Bio-Simplex Flex-Joint.

- Bio-Simplex™ Spinner Flask Accessories are available with either 2 or 3 port configurations for standard 1, 3, 8, 15 or 36 Liter spinner flasks.
- EZ Top® Closure Assembly of high purity C-Flex® pharmaceutical grade ADCF thermoplastic elastomer (TPE) provides integral seal to glass, plastic and metal. (See FLS-7201-0408-SGPPL-TPA)
- Thermal bond between stopper and tubing prevents compromise of product.
- C-Flex® pharmaceutical grade ADCF TPE tubing material is compatible with sterile connecting devices and tube welders.
- Autoclavable
- Standard polypropylene cap
- Bendable, patent-pending Bio-Simplex™ Flex-Joint™ is designed to accommodate angle deviation in hand blown glassware and to retain shape and eliminate kinking.
- Customer-generated designs, sizes, packaging and other options — such as connectors, heat-sealed ends or alternate materials — are available as custom orders.

Ez Top® and C-Flex® are registered trademarks.
Bio-Simplex™ and FlexJoint™ are trademarks.

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