

## Carboy Closure Systems

The Bio-Simplex™ Carboy Closure System features an EZ Top® Closure Assembly made from C-Flex® pharmaceutical grade resin and tubing, engineered to ensure an unobstructed fluid path, extremely low levels of extractables and a secure elastomeric seal against plastic, glass and metal surfaces. The EZ Top® Assembly includes C-Flex® tubing with standard plug end fittings, a Bio-Simplex™ Flex Joint™, 0.2 µM vent filter and cap. Economically designed for single use, the system eliminates cleaning and contamination from repeated use. It is easily used with sterile connecting devices and thermal tubing sealers. We offer standard 2 and 3 port configurations to fit a wide variety of carboys in sizes from 5 to 20 Liters. Available as a complete packaged Bio-Simplex™ Carboy Closure System (EZ Top® Assembly, carboy and cap), either gamma irradiated or non-irradiated; or as individually packaged EZ Top® Closure Assemblies. Custom designs, materials, sizes, packaging and other options—such as quick disconnect devices, Luer connections, heat-sealed ends or alternate carboy materials—are available on request.



Bio-Simplex™ Container Closure System featuring the EZ Top® Assembly and cap.



EZ Top® Assembly and cap

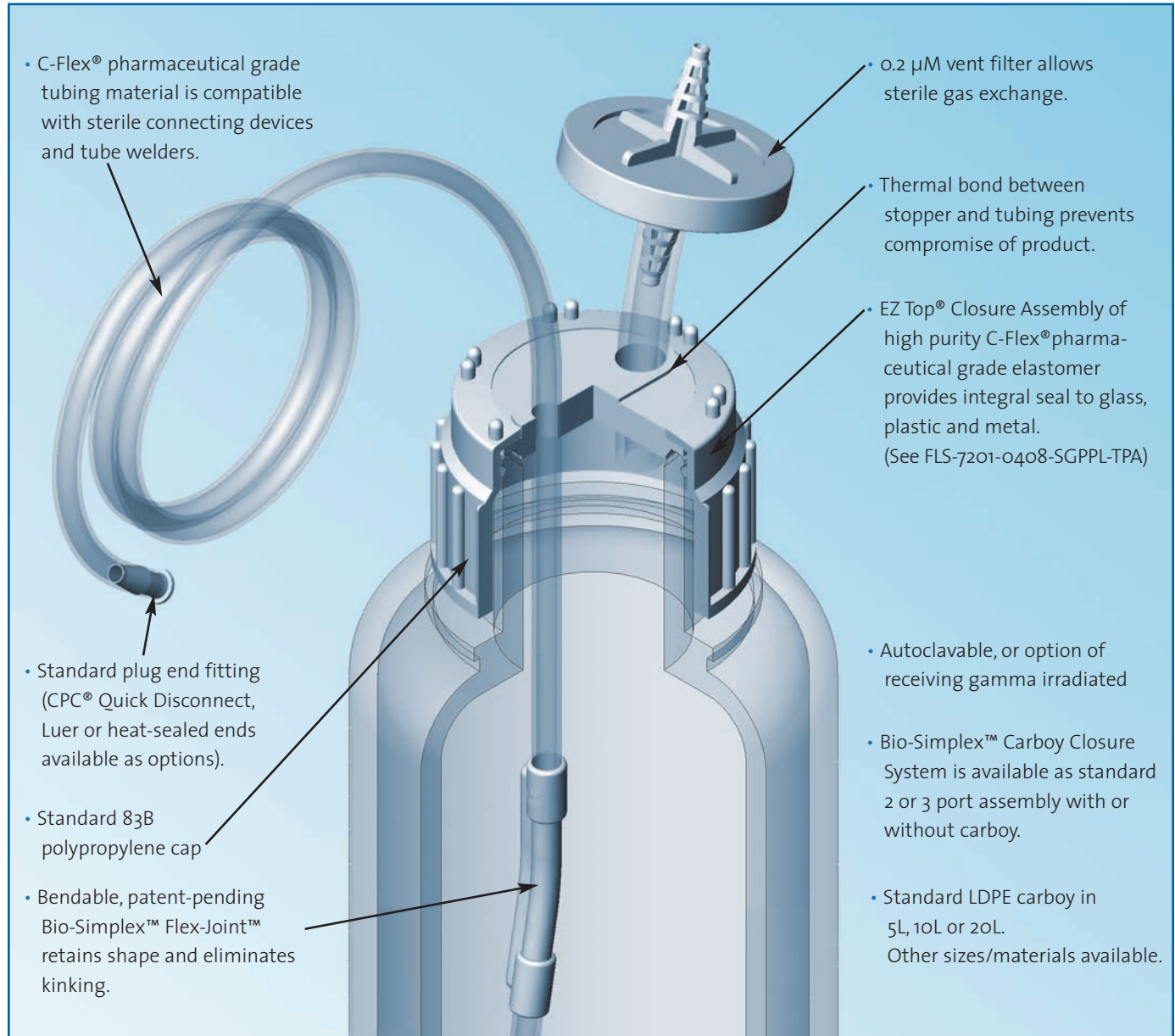
CONTAINER SIZE	2 PORT			3 PORT		
	CARBOY SYSTEM		EZ TOP® ASSEMBLY	CARBOY SYSTEM		EZ TOP® ASSEMBLY
	Irradiated	Non-irradiated	Non-irradiated	Irradiated	Non-irradiated	Non-irradiated
5 Liter	CB05L-2R	CB05L-2	CB05L-2EZ	CB05L-3R	CB05L-3	CB05L-3EZ
10 Liter	CB10L-2R	CB10L-2	CB10L-2EZ	CB10L-3R	CB10L-3	CB10L-3EZ
20 Liter	CB20L-2R	CB20L-2	CB20L-2EZ	CB20L-3R	CB20L-3	CB20L-3EZ

5 to 20 Liter standard 83B polypropylene replacement cap, as shown above: CAP-83B  
For solid cap or solid EZ Top® stopper, please call.

For more detailed specs on Bio-Simplex™ Carboy Closure Systems, please see our product spec sheets.

**BIOPHARMACEUTICAL PRODUCTS**  
*Come through clean.™*

## Carboy Closure Systems



Ez Top<sup>®</sup> and C-Flex<sup>®</sup> are registered trademarks.  
Bio-Simplex<sup>™</sup> and FlexJoint<sup>™</sup> are trademarks.  
CPC<sup>®</sup> is a registered trademark of Colder Products Company



www.micro.ie



**IMPORTANT:** It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Performance Plastics tubing for all intended uses. Laboratory and clinical tests must be conducted in accordance with applicable regulatory requirements in order to determine the safety and effectiveness for use of tubing in any particular application.

For a period of 12 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product to be free from defects in materials and workmanship. Our only obligation will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risk, if any, including the risk of injury, loss or damage, direct or consequential, arising out of the use, misuse, or inability to use, this product. THIS WARRANTY IS IN LIEU OF THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. No deviation is authorized.

Saint-Gobain Performance Plastics Corporation assumes no obligations or liability for any advice furnished by it, or for results obtained with respect to those products. The descriptions, pictures and other representations of products and procedures on this sheet may contain inaccuracies and errors and are intended for informational purposes only. All such advice is given and accepted at the buyer's risk.

**NEW**

## BIO-SIMPLEX™ POLYPROPYLENE CARBOYS



Saint-Gobain Performance Plastics introduces Bio-Simplex™ Polypropylene Carboys with EZ Top® Caps and single-use EZ Top® Assemblies for advanced liquid handling and solution storage for many pharma applications. Saint-Gobain offers four popular sizes of carboys: 5 L, 10 L, 20 L and 40 L manufactured from high quality polypropylene, which is resistant to chemicals and heating up to 275°F (135°C), and allows sterilization for use in pharmaceutical and clinical applications.

The carboy's body includes design features that allow the user to easily hold, lift, fill, and pour while the versatile EZ Top cap technology provides interchangeable and leak-proof top connections. The Bio-Simplex carboys are available with or without an autoclavable spigot. They also feature easy-to-read certified graduation marks with  $\pm 5\%$  accuracy, large molded marks for clearly identifiable volume and material. The Bio-Simplex system—carboy, cap, and spigot is autoclavable.

The Saint-Gobain Bio-Simplex Carboy Closure System is also offered with the EZ Top Closure Assembly for aseptic fluid transfer, sampling or sealing. The single-use EZ Top solutions are made of two different resins:

- ◆ C-Flex® thermoplastic elastomer
- ◆ Sani-Tech® high purity platinum-cured silicone

### Features and Benefits:

- ◆ Slender ergonomic body design requiring less space in the laboratory
- ◆ Large top handles for full hand grip
- ◆ Bottom handles for secure grip when holding and transporting
- ◆ Minimum dead volume for maximum solution recovery
- ◆ Wide mouth for easy filling and cleaning
- ◆ Volume and material identification marks
- ◆ Large, easy to read graduation marks with  $\pm 5\%$  accuracy
- ◆ Open/closed version of EZ Top cap with replaceable gasket
- ◆ Perfect fit high-purity EZ Top Closure Assembly
- ◆ Autoclavable spigot with interchangeable option



Catalog No.	Description	Capacity L	Spigot	Cap Size mm	Qty/Pack
DCB0580	Bio-Simplex Carboy with Closed EZ Top Cap	5	No	80	1
DCB0580S	Bio-Simplex Carboy with Closed EZ Top Cap	5	Yes	80	1
DCB1080	Bio-Simplex Carboy with Closed EZ Top Cap	10	No	80	1
DCB1080S	Bio-Simplex Carboy with Closed EZ Top Cap	10	Yes	80	1
DCB20120	Bio-Simplex Carboy with Closed EZ Top Cap	20	No	120	1
DCB20120S	Bio-Simplex Carboy with Closed EZ Top Cap	20	Yes	120	1
DCB40120	Bio-Simplex Carboy with Closed EZ Top Cap	40	No	120	1
DCB40120S	Bio-Simplex Carboy with Closed EZ Top Cap	40	Yes	120	1

## BIO-SIMPLEX™ CARBOY ACCESSORIES

Catalog No.	Description	Cap Size mm	Qty/Pack
DEZ080CT	EZ Top Cap, 80, Closed Top, White	80	2
DEZ080OT	EZ Top Cap, 80, Open Top, White, with Closed Adapter	80	2
DEZ120CT	EZ Top Cap, 120, Closed Top, White	120	2
DEZ120OT	EZ Top Cap, 120, Open Top, White, with Closed Adapter	120	2
DCB00SP	Spigot for Carboys		1
DEZ120AC	Adapter Cone, EZ Top Cap, 120, White		1

**NEW**

## EZ TOP® CONTAINER CLOSURE ASSEMBLIES

The EZ Top Container Closure is used to create a complete container assembly when combined with cap and container. This economical assembly designed for single use can successfully replace stainless steel closures and eliminate costs such as cleaning, validation and assembly, and the contamination from repeated use.

## C-FLEX® EZ TOP® CONTAINER CLOSURES

C-Flex EZ Top Container Closures are made from C-Flex pharmaceutical grade resin and tubing to ensure an unobstructed fluid path, extremely low level of extractables, and provide an elastomeric seal against glass, plastic, and metal surfaces. The one-piece construction eliminates product loss and contamination due to loose connection.

The C-Flex EZ Top Container Closure includes C-Flex tubing with standard plug and fitting, a Bio-Simplex™ Flex Joint, 0.2 µm vent filter, and cap.

Two or three port configurations are available to fit all sizes of Bio-Simplex carboys.

## C-FLEX® EZ TOP® ASSEMBLIES FOR CARBOYS

Catalog No.	Container Size, L	Ports
CBO5L-2EZ	5	2
CB10L-2EZ	10	2
CB20L-2EZ	20	2
CBO5L-3EZ	5	3
CB10L-3EZ	10	3
CB20L-3EZ	20	3

*Custom design of your C-Flex® EZ Top® container top assembly with factory installed 1-3 port options, C-Flex® tubing configurations, and sterilization are available upon request. Please contact customer service at 1-800-541-6880 or +1-727-531-4191 for assistance.*

## SANI-TECH® EZ TOP® CONTAINER CLOSURES

Sani-Tech EZ Top Container Closures are manufactured from fully characterized Class VI high-purity, platinum-cured silicone. Sani-Tech EZ Top Container Closure components provide an aseptic seal for handling various high purity fluids in biopharmaceutical applications. The smooth inner bore eliminates risk of product entrapment and buildup. Sani-Tech EZ Top Container Closures allow easy retrofit of your existing glass or plastic carboys for aseptic fluid transfer, sampling or sealing. Sani-Tech EZ Top Container Closures can be autoclaved and sterilized. It is non-cytotoxic and complies with USP Class VI standards.

- ◆ Silicone closure insert with or without silicone tubing or sanitary dip tubes
- ◆ Custom design capabilities for all components

*Custom design of your Sani-Tech® EZ Top® container top assembly with factory installed 1-3 port options, Sani-Tech® Tubing configurations and sterilization are available upon request. Please contact customer service at 1-800-283-5963 or +1-518-283-5963 for assistance.*

