

Corning® Closed System Solutions

CORNING





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Product Ordering Information

For information on Purchasing Options, Terms and Conditions of Sale, Return and Repair Policies, and Warranty/Guarantee Registration, visit our website at: www.corning.com/how-to-buy.

Common Acronyms

- FLL = Female Luer lock
- HDPE = High density polyethylene
- MLL = Male Luer lock
- MPC = Medical plastic coupler
- PET = Polyethylene terephthalate
- PS = Polystyrene
- PTFE = Polytetrafluoroethylene
- PVDF = Polyvinylidene fluoride

Corning® Closed System Solutions

Closed system cell culture products help reduce the risk of adventitious contamination during drug development and manufacturing. To aid in the development of processes that require a more closed system approach, Corning offers pre-assembled closed systems and aseptic transfer caps compatible with many vessels in Corning's cell culture line.

Ordering components and assembling tubing sets in-house can add complexity and time to your processes. Corning closed system solutions arrive sterile and ready to use. They mitigate the risk of contamination, reduce the time and expense of sourcing and assembly, and improve productivity.

Reduce your contamination risk with one of Corning's existing closed systems or outfit your current vessel with Corning's aseptic accessories.

Corning closed systems are:

- ▶ Single-use
- ▶ Sterility Assurance Level (SAL) of 10^{-6}
- ▶ Compliant with USP Class VI
- ▶ Animal-free or BSE/TSE compliant

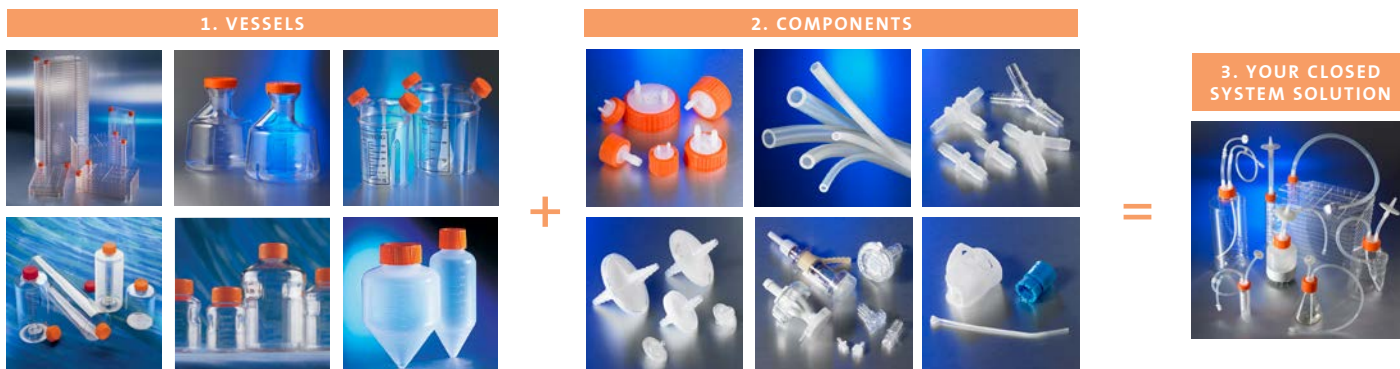
Corning stocks pre-assembled vessels and stand alone transfer caps are designed for aseptic filling and transfer. The table below summarizes the aseptic solutions available for Corning's line of cell culture vessels.

Customize your configuration with Corning's extensive library of pre-validated components

Description	Aseptic Transfer Cap	Pre-assembled Vessel
Corning® CellSTACK® Chambers	■	
Roller Bottles		■
Erlenmeyer Flasks	■	■
Disposable Spinner Flasks	■	■
Centrifuge Tubes		■
Storage Bottles		■

In addition, Corning offers an extensive library of fully validated components including filters, connectors, tubing, clamps, and plugs making it easy to design a customized closed system solution for your specific application.

Simply select your vessel type and treatment, select your components, and contact your Corning Account Manager or Sales Specialist to discuss.



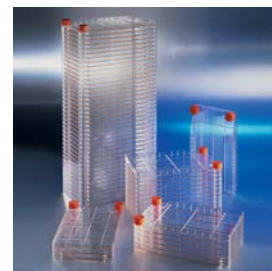
Corning® CellSTACK® Culture Chambers

Corning offers a wide variety of filling and venting accessories compatible with the Corning CellSTACK product line. Aseptic transfer caps and vent caps reduce contamination risk when processing CellSTACK culture chambers, in addition to improving productivity. Accessories come ready to connect to your CellSTACK culture chamber.

All CellSTACK accessories are affixed to a 33 mm (diameter), threaded HDPE cap, making them compatible with any size CellSTACK culture chamber.

Available in Five Sizes






Stacks	Surface Area (cm ²)
1	636
2	1,272
5	3,180
10	6,360
40	25,440



Aseptic Fill and Vent Accessories

					
Cat. No.	3281	3282	3283	3284	3333
Description	Corning 33 mm vented cap with 3/8" tubing and 50 mm filter	Corning 33 mm filling cap with 1/8" tubing and Luer lock connection	Corning 33 mm filling cap with 3/8" tubing and barbed fitting	Corning 33 mm vented cap with 1/4" tubing and 37 mm filter	Corning 33 mm vented cap with 1/4" tubing and MPC connector
Cap Style	Vented	Filling	Filling	Venting	Filling
Tubing Dimensions	ID: 3/8" (9.5 mm) Length: 2.75" (7 cm)	ID: 1/8" (3.2 mm) Length: 18" (45.7 cm)	ID: 3/8" (9.5 mm) Length: 18" (45.7 cm)	ID: 1/4" (6.35 mm) Length: 2.75" (7 cm)	ID: 1/4" (6.35 mm) Length: 27.5" (70 cm)
Connection Type	--	Female Luer lock	Barbed fitting	--	Female MPC
Additional Details	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Female Luer lock with male Luer plug	5/16" (7.94 mm) ID barbed fitting	Filter is 37 mm diameter with 0.1 µm hydrophobic glass fiber membrane	Male MPC coupling and a female MPC end cap
Qty/Cs	5	5	5	4	4


Aseptic Transfer Caps

					
Cat. No.	3328	3329	3334	3339	3324
Description	Corning 33 mm filling cap with 1/4" ID MPC Quick Connect	Corning 33 mm filling cap with 3/8" ID MPC Quick Connect	Corning 33 mm filling cap with 1/4" ID MPC Quick Connect	Corning 33 mm filling cap with 3/8" ID MPC Quick Connect	Corning cap set for universal caps with 2 vented overcaps and 1 solid overcap
Cap Style	Filling	Filling	Filling	Filling	Venting
Tubing Dimensions	ID: 1/4" (6.4 mm)	ID: 3/8" (9.5 mm)	ID: 1/4" (6.4 mm)	ID: 3/8" (9.5 mm)	--
Connection Type	Male MPC	Male MPC	Female MPC	Female MPC	--
Additional Details	Female MPC coupling (1/4" ID), barbed fitting with male MPC end cap	Female MPC coupling (3/8" ID), barbed fitting with male MPC end cap	Male MPC coupling (1/4" ID), barbed fitting with female MPC end cap	Male MPC coupling (3/8" ID), barbed fitting with female MPC end cap	Filter adaptor caps have peel away covers to insert barbed disc filters into universal caps (Cat. No. 3732)
Qty/Cs	4	4	4	4	100

Corning® Roller Bottles



Corning offers an aseptic accessory for both filling and venting for use with our 850 cm² Polystyrene roller bottles. The tubing set comes as a pre-assembled cap ready to attach to your Corning roller bottle. This aseptic transfer cap features a two port 48 mm threaded cap with venting and filling capability.

	
Cat. No.	10043
Description	Corning 48 mm cap, dip tube with 0.2 µm filter, PTFE
Cap Style	Filling and venting
Tubing Dimensions	Fill side: 3/8" ID Vent side: 1/4" ID
Connection Type	Male MPC
Additional Details	Filter is 64 mm diameter with 0.2 µm PTFE membrane, dip tube: 3/8" ID
Qty/Cs	2

Corning® Erlenmeyer Flasks



Corning offers a wide variety of aseptic transfer caps compatible with the Erlenmeyer shake flask line. These accessories are designed for aseptic filling and transfer to reduce contamination risk in your liquid handling processes. Closed system Erlenmeyer flasks are offered with stand-alone accessories (component only) and as pre-assembled vessels.

Aseptic Transfer Caps for Disposable Erlenmeyer Flasks




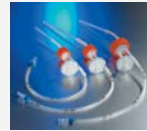
Aseptic transfer caps fit both Polycarbonate (PC) and Polyethylene terephthalate glycol-modified (PETG) Erlenmeyer flasks. The caps are threaded and made of high-density polyethylene (HDPE).

The transfer caps have two ports: A venting port and a liquid transfer port. The venting port ends with a 0.2 µm pore filter and a barbed fitting. The transfer port uses either:

- ▶ A 1/4" ID (3/8" OD) chemically resistant, heat sealable flexible tubing on the external side of the cap ending in a male medical plastic coupler (MPC) disconnect with a sealing cap.
- ▶ A 1/8" ID (1/4" OD) chemically resistant, heat sealable flexible tubing on the external side of the cap ending in a male Luer lock (MLL) closed with a female Luer cap.

The internal end of the liquid transfer port is a rigid polypropylene dip tube designed to reach the bottom of the flask for easy aseptic transfer of your liquid handling processes.

Aseptic Transfer Caps for Corning Erlenmeyer Flasks




								
Vessel Size	1L		2L		3L		5L	
Cat. No.	431444	431445	431446	431447	431448	431449	11500	
Description	Corning 43 mm cap, dip tube with 0.2 µm filter, MLL	Corning 43 mm cap, dip tube with 0.2 µm filter, MPC	Corning 48 mm cap, dip tube with 0.2 µm filter, MLL	Corning 48 mm cap, dip tube with 0.2 µm filter, MPC	Corning 70 mm cap, dip tube with 0.2 µm filter, MLL	Corning 70 mm cap, dip tube with 0.2 µm filter, MPC	Corning 100 mm cap, dip tube with 0.2 µm filter, MPC	
Cap Diameter	43 mm	43 mm	48 mm	48 mm	70 mm	70 mm	100 mm	
Tubing Diameter for Connector	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)	ID: 1/4" (6.4 mm)	
Length of Tubing with Connector	36" (91.4 cm)	36" (91.4 cm)	36" (91.4 cm)	36" (91.4 cm)	36" (91.4 cm)	36" (91.4 cm)	36" (91.4 cm)	
Additional Details	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	
Connection Type	MLL	Male MPC	MLL	Male MPC	MLL	Male MPC	Male MPC	
Qty/Cs	5	5	6	6	4	4	4	

Pre-assembled Closed System Solution Erlenmeyer Flasks

Select Corning Erlenmeyer flasks are available as fully closed system solutions with the aseptic transfer cap pre-assembled to a Polycarbonate Erlenmeyer flask. A pre-assembled vessel offers a complete solution and mitigates the risk of compromising sterility during assembly.






The pre-assembled transfer caps have two ports: One port ends in a 0.2 µm filter, and the other port is chemically resistant, heat sealable flexible tubing, ending in either a male Luer lock (MLL) or a male medical plastic coupler (MPC) quick connect. The dip tube reaches all the way to the bottom of the flask for easy aseptic transfer of your liquid handling processes.

			
Vessel Size	125 mL	250 mL	
Cat. No.	11405	11410	11415
Description	Corning 125 mL flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MLL	Corning 250 mL flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MLL	Corning 250 mL flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MLL
Flask Bottom	Plain	Plain	Plain
Cap Diameter	33 mm	38 mm	38 mm
Tubing Diameter for Connector	ID: 1/8" (3.2 mm)	ID: 1/8" (3.2 mm)	ID: 1/8" (3.2 mm)
Length of Tubing with Connector	36" (91.4 cm)	20" (50.8 cm)	36" (91.4 cm)
Connection Type	MLL	MLL	MLL
Additional Details	Filter is 25 mm diameter with 0.2 µm PTFE membrane	Filter is 25 mm diameter with 0.2 µm PTFE membrane	Filter is 25 mm diameter with 0.2 µm PTFE membrane
Qty/Cs	6	4	4

				
Vessel Size	500 mL	1L		
Cat. No.	11425	431510	431516	11440
Description	Corning 500 mL flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MLL	Corning 1L flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MLL	Corning 1L flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MPC	Corning 1L flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MLL
Flask Bottom	Plain	Plain	Plain	Plain
Cap Diameter	43 mm	43 mm	43 mm	43 mm
Tubing Diameter for Connector	ID: 1/8" (3.2 mm)	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)	ID: 1/8" (3.2 mm)
Length of Tubing with Connector	36" (91.4 cm)	36" (91.4 cm)	36" (91.4 cm)	36" (91.4 cm)
Connection Type	MLL	MLL	Male MPC	MLL
Additional Details	Filter is 64 mm diameter with 0.2 µm PTFE membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 64 mm diameter with 0.2 µm PTFE membrane
Qty/Cs	2	4	4	4

Pre-assembled Closed System Solution Erlenmeyer Flasks (Continued)

				
Vessel Size	2L			
Cat. No.	431512	431518	11460	11465
Description	Corning 2L flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MLL	Corning 2L flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MPC	Corning 2L flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MLL	Corning 2L flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MLL
Flask Bottom	Plain	Plain	Plain	Plain
Cap Diameter	48 mm	48 mm	48 mm	48 mm
Tubing Diameter for Connector	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)
Length of Tubing with Connector	36" (91.4 cm)	36" (91.4 cm)	20" (50.8 cm)	36" (91.4 cm)
Connection Type	MLL	Male MPC	MLL	MLL
Additional Details	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 25 mm diameter with 0.2 µm PTFE membrane	Filter is 64 mm diameter with 0.2 µm PTFE membrane
Qty/Cs	3	3	2	2

					
Vessel Size	3L			5L	
Cat. No.	431514	431520	11495	11501	11502
Description	Corning 3L flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MLL	Corning 3L flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MPC	Corning 3L flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MLL	Corning 5L flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MPC	Corning 5L flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MPC
Flask Bottom	Plain	Plain	Plain	Plain	Baffled
Cap Diameter	70 mm	70 mm	70 mm	100 mm	100 mm
Tubing Diameter for Connector	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)	ID: 1/4" (6.4 mm)	ID: 1/4" (6.4 mm)	ID: 1/4" (6.4 mm)
Length of Tubing with Connector	36" (91.4 cm)	36" (91.4 cm)	36" (91.4 cm)	36" (91.4 cm)	36" (91.4 cm)
Connection Type	MLL	MPC	MLL	Male MPC	Male MPC
Additional Details	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 64 mm diameter with 0.2 µm PTFE membrane	Filter is 64 mm diameter with 0.2 µm PTFE membrane	Filter is 64 mm diameter with 0.2 µm PTFE membrane
Qty/Cs	2	2	2	2	2

Corning® Disposable Spinner Flasks

Corning offers a wide variety of aseptic transfer caps compatible with disposable spinner flasks. These accessories are designed for aseptic filling and transfer to reduce contamination risk in your liquid handling processes. Closed system disposable spinner flasks are offered with stand-alone accessories (component only) and as pre-assembled vessels.


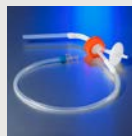
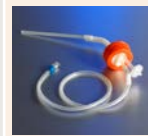
Aseptic Transfer Caps for Disposable Spinner Flasks

Aseptic transfer caps for disposable spinner flasks are 54 mm caps that are threaded and made of high-density Polyethylene (HDPE).

The transfer caps have two ports: A venting port and a liquid transfer port. The venting port ends in a vent filter with a 0.2 µm pore filter and a barbed fitting. The other port is a liquid transfer port that uses either:

- ▶ A 1/4" ID (3/8" OD) chemically resistant, heat sealable flexible tubing on the external side of the cap ending in a male medical plastic coupler (MPC) male disconnect with a sealing cap.
- ▶ A 1/8" ID (1/4" OD) chemically resistant, heat sealable flexible tubing on the external side of the cap ending in a male Luer lock (MLL) closed with a female Luer cap.

The internal end of the liquid transfer port is a rigid Polypropylene dip tube designed to reach the bottom of the flask for easy aseptic transfer of your liquid handling processes.

												
Vessel Size	500 mL		1L		1L		3L		3L		3L	
Cat. No.	3565	3528	3562	3545	3564	3558						
Description	Corning 54 mm cap, 1/8" tubing with 0.2 µm filter	Corning 54 mm cap, 1/4" tubing with 0.2 µm filter	Corning 54 mm cap, 1/8" tubing with 0.2 µm filter	Corning 54 mm cap, 1/4" tubing with 0.2 µm filter	Corning 54 mm cap, 1/8" tubing with 0.2 µm filter	Corning 54 mm cap, 1/4" tubing with 0.2 µm filter						
Cap Diameter	54 mm	54 mm	54 mm	54 mm	54 mm	54 mm						
Tubing Diameter for Connector	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)						
Length of Tubing with Connector	24" (60.9 cm)	24" (60.9 cm)	24" (60.9 cm)	24" (60.9 cm)	24" (60.9 cm)	24" (60.9 cm)						
Connection Type	MLL	Male MPC	MLL	Male MPC	MLL	Male MPC						
Additional Details	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane						
Qty/Cs	2	2	2	2	2	2						

Pre-assembled Closed System Solution Disposable Spinner Flasks

Select disposable spinner flasks are available as fully closed system solutions with the aseptic transfer cap pre-assembled to a disposable spinner flask. Pre-assembled flasks have one aseptic connector pre-assembled to one side arm. The opposite side arm has a flat cap.

The pre-assembled transfer cap has two ports: One port ends in a 0.2 µm filter, and the other port is chemically resistant, heat sealable flexible tubing, ending in either a male Luer lock (MLL) or a male medical plastic coupler (MPC) quick connect.



Disposable spinner flasks
(Cat. Nos. 3561, 3563)



1L and 3L disposable spinner flasks, MPC quick connect
(Cat. Nos. 3546, 3559)

Vessel Size	1L		3L	
Cat. No.	3546	3569	3559	3579
Description	Corning® 1L disposable spinner flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MPC	Corning 1L disposable spinner flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MLL	Corning 3L disposable spinner flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MPC	Corning 3L disposable spinner flask pre-assembled with aseptic transfer cap with dip tube with 0.2 µm filter, MLL
Top Style	Threaded	Threaded	Threaded	Threaded
Cap Material	HDP	HDP	HDP	HDP
Cap Diameter	54 mm	54 mm	54 mm	54 mm
Tubing Diameter for Connector	ID: 1/4" (6.4 mm)	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)	ID: 1/8" (3.2 mm)
Length of Tubing with Connector	24" (60.9 cm)	24" (60.9 cm)	24" (60.9 cm)	24" (60.9 cm)
Connection Type	Male MPC	MLL	Male MPC	MLL
Additional Details	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane	Filter is 50 mm diameter with 0.2 µm PVDF membrane
Qty/Cs	6	6	4	4

Standard Corning closed system assemblies can be directly ordered from Corning or from authorized distributors.

Corning® Centrifuge Tubes



50 mL self-standing centrifuge tube, no accessories (Cat. No. 430921)

Corning offers a wide variety of pre-assembled closed system centrifuge tubes designed for aseptic filling and transfer to reduce contamination risk in your liquid handling processes.

Pre-assembled Closed System Solution Centrifuge Tubes

Corning's closed system centrifuge tubes are pre-assembled with the aseptic transfer cap to the centrifuge tube. The pre-assembled transfer caps have two ports: Venting port and a liquid transfer port. The venting port ends in a 25 mm PTFE vent filter with a 0.2 µm pore membrane. The other port is a liquid transfer port that uses a chemically resistant, heat sealable flexible tubing on the external side of the cap ending in a male Luer lock (MLL). Dip tubes, where available, are used on the internal side of the cap to reach to the bottom of the flask for easy aseptic transfer during your liquid handling processes.



500 mL centrifuge tube, no accessories (Cat. No. 431123)

	50 mL		500 mL
Vessel Size	50 mL		500 mL
Cat. No.	11705	11706	11750
Description	Corning 50 mL centrifuge tube pre-assembled with aseptic transfer cap with dip tube and 0.2 µm filter, MLL	Corning 50 mL centrifuge tube pre-assembled with aseptic transfer cap with 0.2 µm filter, MLL	Corning 500 mL centrifuge tube pre-assembled with aseptic transfer cap with dip tube and 0.2 µm filter, MLL
Cap Diameter	35.2 mm (approx.)	35.2 mm (approx.)	48 mm
Tubing Diameter for Connector	ID: 1/8" (3.2 mm)	ID: 1/8" (3.2 mm)	ID: 1/8" (3.2 mm)
Length of Tubing with Connector	18" (45.7 cm)	18" (45.7 cm)	20" (50.8 cm)
Connection Type	MLL	MLL	MLL
Additional Details	Filter is 25 mm diameter with 0.2 µm PTFE membrane	Filter is 25 mm diameter with 0.2 µm PTFE membrane	Filter is 25 mm diameter with 0.2 µm PTFE membrane
	Self-standing skirt	Self-standing skirt	--
	PP dip tube	No dip tube	HDPE dip tube
Qty/Cs	2	2	2

Corning® Storage Bottles



Corning offers a wide variety of pre-assembled closed system storage bottles designed for aseptic filling and transfer to reduce contamination risk in your liquid handling processes.

Pre-assembled Closed System Solution Storage Bottles

Each Polystyrene storage bottle is graduated with threaded caps made of high-density Polyethylene (HDPE). The caps have two ports: a venting port and a liquid transfer port. The venting port ends in a filter with a 0.2 µm pore membrane. The liquid transfer port uses either:

- ▶ A 1/4" ID (3/8" OD) chemically resistant, heat sealable flexible tubing on the external side of the cap ending in a male medical plastic coupler (MPC) male disconnect with a sealing cap.
- ▶ A 1/8" ID (1/4" OD) chemically resistant, heat sealable flexible tubing on the external side of the cap ending in a male Luer lock (MLL) closed with a female Luer cap.

The internal end of the liquid transfer port is a rigid polypropylene dip tube designed to reach the bottom of the flask for easy aseptic transfer.

	150 mL		250 mL	
Vessel Size	150 mL		250 mL	
Cat. No.	11650	11651	11655	11656
Description	Corning 150 mL Easy Grip PS storage bottles pre-assembled with aseptic transfer cap with dip tube and 25 mm filter, MLL	Corning 150 mL Easy Grip PS storage bottles pre-assembled with aseptic transfer cap with dip tube and 64 mm filter, MPC	Corning 250 mL Easy Grip PS storage bottles pre-assembled with aseptic transfer cap with dip tube and 25 mm filter, MLL	Corning 250 mL Easy Grip PS storage bottles pre-assembled with aseptic transfer cap with dip tube and 64 mm filter, MPC
Cap Diameter	45 mm	45 mm	45 mm	45 mm
Tubing Diameter for Connector	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)
Length of Tubing with Connector	24" (60.9 cm)	20" (50.8 cm)	24" (60.9 cm)	20" (50.8 cm)
Connection Type	MLL	Male MPC	MLL	Male MPC
Additional Details	Filter is 25 mm diameter with 0.2 µm PTFE membrane	Filter is 64 mm diameter with 0.2 µm PTFE membrane	Filter is 25 mm diameter with 0.2 µm PTFE membrane	Filter is 64 mm diameter with 0.2 µm PTFE membrane
Qty/Cs	8	8	6	6

Corning® Storage Bottles (Continued)

				
Vessel Size	500 mL		1L	
Cat. No.	11665	11666	11680	11681
Description	Corning 500 mL Easy Grip PS storage bottles pre-assembled with aseptic transfer cap with dip tube and 25 mm filter, MLL	Corning 500 mL Easy Grip PS storage bottles pre-assembled with aseptic transfer cap with dip tube and 64 mm filter, MPC	Corning 1L Easy Grip PS storage bottles pre-assembled with aseptic transfer cap dip tube and 25 mm filter, MLL	Corning 1L Easy Grip PS storage bottles pre-assembled with aseptic transfer cap with dip tube and 64 mm filter, MPC
Cap Diameter	45 mm	45 mm	45 mm	45 mm
Tubing Diameter for Connector	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)	ID: 1/8" (3.2 mm)	ID: 1/4" (6.4 mm)
Length of Tubing with Connector	24" (60.9 cm)	20" (50.8 cm)	24" (60.9 cm)	20" (50.8 cm)
Connection Type	MLL	Male MPC	MLL	Male MPC
Additional Details	Filter is 25 mm diameter with 0.2 µm PTFE membrane	Filter is 64 mm diameter with 0.2 µm PTFE membrane	Filter is 25 mm diameter with 0.2 µm PTFE membrane	Filter is 64 mm diameter with 0.2 µm PTFE membrane
Qty/Cs	4	4	4	4

Compatibility Charts

Erlenmeyer Flask Aseptic Transfer Cap Compatibility

Vessel Size	1L		2L		3L		5L
Asceptic Transfer Cap Cat. No.	431444	431445	431446	431447	431448	431449	11500
Compatible Erlenmeyer Flask Cat. No.	431146	431146	431255	431255	431252	431252	431684
	431147	431147	431256	431256	431253	431253	431685
	431402	431402	431280	431280	431282	431282	431284
	431403	431403	431281	431281	431283	431283	431285

Disposable Spinner Flask Aseptic Transfer Cap Compatibility

Vessel Size	500 mL		1L		3L	
Asceptic Transfer Cap Cat. No.	3565	3528	3562	3545	3564	3558
Compatible Spinner Flask Cat. No.	3153	3153	3561	3561	3563	3563
	3578	3578	3580	3580	3581	3581

For more specific information on claims, visit www.corning.com/certificates.

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