Corning® Disposable Spinner Flasks

Ready-to-Use Convenience

Convenience

The Corning disposable spinner flasks come ready-to-use with paddle and integrated magnet, eliminating the need for time-consuming assembly or cleaning and reassembly.

Confidence

Made of materials to comply with USP Class VI and ISO 10993-18 standards. Each spinner flask is assembled in a Class 10,000 clean room and gamma irradiated to assure a clean and sterile unit. No more concerns with detergent residues or contamination.

Compatibility

Vessels were designed to be comparable to conventional glass spinner flasks for growth of suspension cell lines and any attachment-dependent cultures using microcarrier beads.

Performance

The paddle size and height are optimized for each vessel size. A unique integrated magnet provides a smooth, even rotation at required speeds on any laboratory slow speed stirrer.

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125 mL and 500 mL Disposable Spinner Flasks

1L and 3L Disposable Spinner Flasks, Solid Cap

Corning® 125 and 500 mL Disposable Spinner Flasks

3152, 3153 125 mL and 500 mL Disposable Spinner Flasks

Materials of Construction

- Vessel, shaft and paddle are constructed of polystyrene (USP Class VI and ISO 10993-18 compliant).
- Single use only. Flasks cannot be autoclaved or resterilized with alcohol. Any attempt to do so will result in degradation of the materials.
- Teflon® Paddle Bushing was life tested for 2.5 months/24 hours/day at 125 rpm.
- Gamma-irradiated. Product meets USP XXIV: 71 Bacteriostasis, Fungistasis and Sterility Standards.
- Each system is supplied in double bagged Tyvek® breathable pouches, individually packed in a box.
- Product is sterile unless Tyvek pouch has been compromised.
- Three-year shelf life from date of manufacture

Technical Specifications

Parameter	125 mL	500 mL
Recommended Working Volumes	30 – 75 mL	100 – 300 mL
Vessel Height	145 mm	203.2 mm
Vessel Diameter	63.5 mm	87.3 mm
Flange Diameter	114.8 mm	139.7 mm
Center Cap Diameter	70 mm	100 mm
Sidearm Opening	18.8 mm	38.1 mm
Sidearm Cap Diameter	25 mm (GL 25 Threads)	45 mm (GL 45 Threads)
Paddle Size (W x H)	39.9 x 50.0 mm	50.3 x 61.0 mm
Minimum Drive Coupling (rpm)	2	2
ALNICO Magnet (Gauss induction)	12,800	12,800

Corning 1L and 3L Disposable Spinner Flasks

3561, 3563 1L and 3L Disposable Spinner Flasks, Flat Cap

- Vessel and Impeller are constructed of USP Class VI and ISO 10993-18 compliant materials.
- All Corning Disposable Spinner Flasks, Aseptic Transfer Caps and replacement caps have the highest standard Sterility Assurance Level (SAL) of 10^{-6}.
- Assembled in a Class 10,000 clean room
- Gamma-irradiated. Product meets USP XXIV: 71 Bacteriostasis, Fungistasis and Sterility Standards.
- Each system is supplied individually double bagged.
- Vented, solid cap, and preassembled Closed System Solution vessels available
- Replacement caps and Aseptic Transfer Caps also sold separately
- Preassembled Closed System Solution vessels have one aseptic connector assembled to one side arm. Opposite side arm has a solid cap.
- Three-year shelf life from date of manufacture

Technical Specifications

Parameter	1L (Cat. No. 3561)	3L (Cat. No. 3563)
Vessel Height	245 mm	259 mm
Vessel Diameter	137 mm	188 mm
Vessel Width	203 mm	256 mm
Sidearm Opening (ID)	39 mm	39 mm
Sidearm Cap Diameter (OD)	54 mm (GL 45 Threads)	54 mm (GL 45 Threads)
Paddle Size (W x H)	69 x 215 mm	105 x 227 mm
Maximum Drive Speed	150 rpm	150 rpm
Magnet	ALNICO	ALNICO

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Corning® Disposable Spinner Flasks Ordering Information

3153 500 mL Disposable Spinner Flask

3580, 3581 1L and 3L Disposable Spinner Flasks with Vent Cap

3546, 3559 1L and 3L Disposable Spinner Flasks, MPC Quick Connect

3569, 3579 1L and 3L Disposable Spinner Flasks, Luer Lock

Corning 125 and 500 mL Disposable Spinner Flasks

Cat. No.	Description	Capacity (mL)	Center Neck (mm)	Sidearm Neck (mm)	Qty/ Cs
3152	Disposable Spinner Flask	125	70	25	12
3153	Disposable Spinner Flask	500	100	45	12
3578	Disposable Spinner Flask, Vent Cap	500	100	45	12

Replacement Caps and Asceptic Transfer Caps

Cat. No.	Description	Compatible with Cat. No.	Qty/ Cs
3567	Vent Cap, 0.2 µm Pore	3153, 3561, 3580, 3563, 3581	4
3568	Flat Cap	3153, 3561, 3580, 3563, 3581	4
3565	Side Arm Aseptic Transfer Cap, 1/8" Dip Tube with 0.2 µm Pore, Vent, MLL*	3153	2
3528	Side Arm Aseptic Transfer Cap, 1/4" Dip Tube with 0.2 µm Pore, Vent, MPC**	3153	2

Corning 1L and 3L Disposable Spinner Flasks

Cat. No.	Description	Capacity (L)	Qty/ Cs
3561	Disposable Spinner Flask,	1	6
3580	Disposable Spinner Flask, Vent Cap	1	6
3563	Disposable Spinner Flask	3	4
3581	Disposable Spinner Flask, Vent Cap	3	4

Replacement Caps and Aseptic Transfer Caps

Corning Disposable Spinner Flask Aseptic Transfer Caps are available separately. Each arrive sterile and individually doubled bagged. Caps are available for 500 mL, 1L and 3L flask sizes.

Cat. No.	Description	Compatible with Cat. No.	Qty/ Cs
3567	Vent Cap, 0.2 µm Pore	3153, 3561, 3580, 3563, 3581	4
3568	Flat Cap	3153, 3561, 3580, 3563, 3581	4
3562	Side Arm Aseptic Transfer Cap, 1/8" Dip Tube with 0.2 µm Pore, Vent, MLL*	3561	2
3545	Side Arm Aseptic Transfer Cap, 1/4" Dip Tube with 0.2 µm Pore, Vent, MPC**	3561	2
3564	Side Arm Aseptic Transfer Cap, 1/8" Dip Tube with 0.2 µm Pore, Vent, MLL*	3563	2
3558	Side Arm Aseptic Transfer Cap, 1/4" Dip Tube with 0.2 µm Pore, Vent, MPC**	3563	2

Preassembled Closed System Solution Disposable Spinner Flasks

Preassembled Flasks have one aseptic connector preassembled to one side arm. Opposite side arm has a flat cap.

Cat. No.	Description	Capacity (L)	Preassembled with One Aseptic Transfer Cap Cat. No.	Qty/Cs
3569	Disposable Spinner Flask, Preassembled	1	3562	6
3546	Disposable Spinner Flask, Preassembled	1	3545	6
3579	Disposable Spinner Flask, Preassembled	3	3564	4
3559	Disposable Spinner Flask, Preassembled	3	3558	4

*Male luer lock
**Medical grade polycarbonate

3565, 3562 and 3564 Aseptic Transfer Cap, Luer Lock

3528, 3545 and 3558 Aseptic Transfer Cap, MPC Quick Connect

3568 Flat Cap

3567 Vent Cap

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