



→ Spinner Flask with 60 liter volume on request!

### BELL-FLO™ Spinner Flasks

- Bottom indent and three vertical baffles provide optimal mixing
- 32 mm or 45 mm side arms for connection of adapters, probes and tubes
- Rugged stainless steel/PTFE internal bearing assemblies
- “Complete”: Flask, centre cap with impeller, two sidearm caps
- “Flask only”: Flask with two sidearm caps
- “Impeller only”: Centre cap with fixed impeller



Cat.-No.	Description	Centre/Sidearm Caps	Ø x Height
1965-80105	100 ml, Complete	70/32 mm	65 x 150 mm
1965-80255	250 ml, Complete	70/32 mm	85 x 150 mm
1965-80575	500 ml, Complete	70/45 mm	110 x 187 mm
1965-80515	500 ml, Complete	100/45 mm	110 x 187 mm
1965-81005	1 l, Complete	100/45 mm	135 x 245 mm
1965-83005	3 l, Complete	100/45 mm	165 x 295 mm
1965-80100	100 ml, Flask only	70/32 mm	65 x 135 mm
1965-80250	250 ml, Flask only	70/32 mm	85 x 140 mm
1965-80570	500 ml, Flask only	70/45 mm	110 x 175 mm
1965-80510	500 ml, Flask only	100/45 mm	110 x 170 mm
1965-81000	1 l, Flask only	100/45 mm	135 x 240 mm
1965-83000	3 l, Flask only	100/45 mm	165 x 290 mm
1965-80101	100 ml, Impeller only		
1965-80251	250 ml, Impeller only		
1965-80571	500 ml, Impeller only		
1965-80511	500 ml, Impeller only		
1965-81001	1 l, Impeller only		
1965-83001	3 l, Impeller only		

## BioProbe™ Spinner Flasks

- Ideal for small working volumes
- Center cap: 100 mm
- Two upper sidearms: 45 mm
- Two lower sidearms: 32 mm
- Two lower sidearms slightly in front of the standard 45 mm sidearms
- The 32 mm sidearms accept compression fittings that will allow 12 mm probes to be secured in the sidearm for monitoring of dissolved oxygen, pH, etc. (Fittings and probes separately available on request)
- “Complete”: Flask, 100 mm cap with impeller, two 45 mm and two 32 mm solid caps
- “Flask only”: Flask with two 45 mm and two 32 mm solid caps
- “Impeller only”: Centre cap with fixed stainless steel shaft and PTFE paddle



Cat.-No.	Description	Minimal Volume	Ø x Height
1965-97005	500 ml, Complete	100 ml	110 x 175 mm
1965-97001	1 l, Complete	200 ml	135 x 240 mm
1965-97003	3l, Complete	500 ml	165 x 290 mm
1965-97050	500 ml, Flask only	100 ml	110 x 175 mm
1965-97100	1 l, Flask only	200 ml	135 x 240 mm
1965-97300	3 l, Flask only	500 ml	165 x 290 mm
1965-60005	500 ml, Impeller only		
1965-60010	1 l, Impeller only		
1965-60030	3 l, Impeller only		

## MicroCarrier Spinner Flasks

- Promote optimal growth of suspension and microcarrier cultures
- Ideal for insect culture with reduced volume and increased oxygen demand
- Spinners ensure optimal stirring of microcarriers or cell suspensions at low speed
- Indented bottom (up to 1 l) prevents accumulation of microcarrier beads under impeller
- To be used with overhead drive motors (stirring from above) or magnetic stirrers (stirring from below)
- Impeller height adjusts through compression fitting in cap
- Flasks available complete or as separate components
- Optional accessories available: e.g. pH, DO, gas probes
- “Complete”: Flask, centre cap with opening for impeller, impeller, two sidearm caps



Cat.-No.	Description	Centre/Sidearm Caps	Ø x Height
1965-00100	100 ml, Complete	70/32 mm	64 x 135 mm
1965-00250	250 ml, Complete	70/32 mm	83 x 140 mm
1965-00500	500 ml, Complete	70/45 mm	110 x 180 mm
1965-02500	500 ml, Complete	100/45 mm	110 x 180 mm
1965-01000	1 l, Complete	100/45 mm	135 x 250 mm
1965-03000	3 l, Complete	100/45 mm	165 x 280 mm
1965-06000	6 l, Complete	100/45 mm	204 x 410 mm
1965-08000	8 l, Complete	100/45 mm	237 x 430 mm
1965-15000	15 l, Complete	100/45 mm	294 x 460 mm
1965-36000	36 l, Complete	100/45 mm	410 x 535 mm

## Spinner Flasks with Internal Overhead Bearing Impeller (IOB)

- Internal impeller decreases risk of contamination through center cap
- Adjustable shaft aligns paddle with bottom of flask
- Large paddle promotes increased oxygenation with low shear
- Components available separately
- “Complete”: Flask, centre cap with impeller, two sidearm caps



Cat.-No.	Description	Centre/Sidearm Caps	Ø x Height
1965-61001	100 ml, Complete	70/32 mm	65 x 135 mm
1965-61002	250 ml, Complete	70/32 mm	85 x 140 mm
1965-61005	500 ml, Complete	70/45 mm	110 x 180 mm
1965-61015	500 ml, Complete	100/45 mm	110 x 180 mm
1965-61010	1 l, Complete	100/45 mm	135 x 250 mm
1965-61030	3 l, Complete	100/45 mm	165 x 280 mm
1965-61060	6 l, Complete	100/45 mm	204 x 410 mm
1965-61080	8 l, Complete	100/45 mm	237 x 430 mm
1965-61150	15 l, Complete	100/45 mm	294 x 460 mm
1965-61360	36 l, Complete	100/45 mm	410 x 535 mm

## Water Jacketed Micro Carrier Spinner Flasks

- Ideal for laboratories with limited space or without incubator capacity
- Requires circulating water bath or chiller unit and magnetic stirrer
- Can be used separately or in a row
- Hose connection: 9,5 mm (3/8“) inner diameter (Except 8 l: 12,8 mm, 1/2” respectively)
- “Complete”: Flask including centre cap with opening for impeller, impeller, two sidearm caps
- “Flask only”: Flask, solid centre cap and two sidearm caps



Cat.-No.	Description	Jacket Volume	Centre/Sidearm Caps
1965-50050	50 ml, Complete	40 ml	51/18 mm
1965-50100	100 ml, Complete	75 ml	70/18 mm
1965-50250	250 ml, Complete	175 ml	70/25 mm
1965-50500	500 ml, Complete	260 ml	70/38 mm
1965-51000	1 l, Complete	875 ml	100/45 mm
1965-53000	3 l, Complete	1.300 ml	100/45 mm
1965-56000	6 l, Complete	3.700 ml	100/45 mm
1965-58000	8 l, Complete	7.500 ml	100/45 mm
1965-50051	50 ml, Flask only	40 ml	51/18 mm
1965-50101	100 ml, Flask only	75 ml	70/18 mm
1965-50251	250 ml, Flask only	175 ml	70/25 mm
1965-50501	500 ml, Flask only	260 ml	70/38 mm
1965-51100	1 l, Flask only	875 ml	100/45 mm
1965-53001	3 l, Flask only	1.300 ml	100/45 mm
1965-56001	6 l, Flask only	3.700 ml	100/45 mm
1965-58001	8 l, Flask only	7.500 ml	100/45 mm

## Water Jacketed Spinner Flask with Internal Impeller

- Internal impeller decreases risk of contamination through cap
- Adjustable shaft aligns paddle with bottom of flask
- Large paddle promotes increased oxygenation with low shear
- Requires circulating water bath or chiller unit and magnetic stirrer
- “Complete”: Flask, centre cap with impeller, 2 sidearm caps

Cat.-No.	Description	Jacket Volume	Centre/Sidearm Caps
1965-62001	100 ml, Complete	75 ml	70/18 mm
1965-62002	250 ml, Complete	175 ml	70/24 mm
1965-62005	500 ml, Complete	260 ml	70/38 mm
1965-62010	1 l, Complete	875 ml	100/45 mm
1965-62030	3 l, Complete	1.300 ml	100/45 mm
1965-62060	6 l, Complete	3.700 ml	100/45 mm

### Adjustable Hanging Bar Spinner Flask with flat bottom

- Adjustable spinner height
- PTFE impeller assembly rides on glass bearings for friction free operation
- 25 ml and 50 ml have black phenolic rubber-lined center and sidearm caps
- 100 ml to 3000 ml have blue polypropylene caps, silicone gasket and pouring rings
- Components available separately
- "Complete": Flask including centre cap with opening for impeller, impeller, two sidearm caps



Cat.-No.	Description	Centre/Sidearm Caps	Ø x Height
1967-00025	25 ml, Complete	38/18 mm	38 x 120 mm
1967-00050	50 ml, Complete	51/18 mm	55 x 110 mm
1967-00100A	100 ml, Complete	70/32 mm	69 x 110 mm
1967-00250	250 ml, Complete	70/32 mm	85 x 145 mm
1967-00500	500 ml, Complete	100/45 mm	110 x 185 mm
1967-01000	1 l, Complete	100/45 mm	135 x 240 mm
1967-03000	3 l, Complete	100/45 mm	165 x 290 mm

### Glass Ball Spinner Flasks

- Specially formed bottom indent prevents accumulation under impeller
- Glass ball houses a magnet for gentle agitation of the suspension
- Components available separately
- "Complete": Flask, centre cap with glass ball impeller, 2 sidearm caps



Cat.-No.	Description	Centre/Sidearm Caps	Ø x Height
1965-92001	100 ml, Complete	70/32 mm	65 x 135 mm
1965-92002	250 ml, Complete	70/32 mm	85 x 140 mm
1965-92005	500 ml, Complete	100/45 mm	110 x 180 mm
1965-92010	1 l, Complete	100/45 mm	135 x 250 mm
1965-92030	3 l, Complete	100/45 mm	165 x 280 mm
1965-92060	6 l, Complete	100/45 mm	204 x 410 mm
1965-92080	8 l, Complete	100/45 mm	237 x 430 mm



**Equipment**  
(magnetic and overhead stirrers etc.),  
**suitable replacement parts and**  
**large range of accessories**  
**on request.**

