



ROUND BOTTOM FLASK

HEAVY WALL CONSTRUCTION

Round bottom flasks are used for distillation, chemical reactions, heating and storage demands. They are made from borosilicate glass and specifically designed for uniform heat distribution. ChemScience provides round bottom flasks with different neck options.

Flask, Round Bottom, Single Neck

- Made from ASTM E438 Type 1 Class A borosilicate 33 expansion glass
- Good temperature resistance
- Chemically resistant
- Uniform wall thickness



Catalog Number	Capacity	Joint Size	Pack Size
CS-F0301030	5 ML	10/20	Each
CS-F0301405	5 ML	14/20	Each
CS-F0301908	5 ML	19/22	Each
CS-F0301020	10 ML	10/20	Each
CS-F0301410	10 ML	14/20	Each
CS-F0301910	10 ML	19/22	Each
CS-F0301425	25 ML	14/20	Each
CS-F0301925	25 ML	19/22	Each
CS-F0302425	25 ML	24/40	Each
CS-F0301450	50 ML	14/20	Each
CS-F0301950	50 ML	19/22	Each
CS-F0302450	50 ML	24/40	Each
CS-F0301100	100 ML	14/20	Each
CS-F0309100	100 ML	19/22	Each
CS-F0304100	100 ML	24/40	Each
CS-F0304150	150 ML	24/40	Each
CS-F0301250	250 ML	14/20	Each
CS-F0309250	250 ML	19/22	Each
CS-F0304250	250 ML	24/40	Each
CS-F0302250	250 ML	29/32	Each
CS-F0309500	250 ML	19/22	Each
CS-F0309500	500 ML	24/40	Each
CS-F0309500B	500 ML	24/40	Each
CS-F0309500A	500 ML	29/32	Each
CS-F0304000	1000 ML	24/40	Each
CS-F030242L	2000 ML	24/40	Each
CS-F030243L	3000 ML	24/40	Each
CS-F030245L	5000 ML	24/40	Each
CS-F030295L	5000 ML	29/42	Each
CS-F030455L	5000 ML	45/50	Each
CS-F03025510L	10000 ML	55/50	Each
CS-F03024510L	10000 ML	45/50	Each
CS-F0305512L	12000 ML	55/50	Each
CS-F0304520L	20000 ML	45/50	Each
CS-F0305520L	20000 ML	55/50	Each

Flask, Round Bottom, Spherical Joint

- Made from ASTM E438 Type 1 Class A borosilicate 33 expansion glass
- Heavy wall design
- Flasks having a 35/20 socket joint are used as replacements for the collection flask on rotary evaporators.



Catalog Number	Capacity	Joint Size	Pack Size
CS-F0527050	50 ML	35/20	Each
CS-F0527100	100 ML	35/20	Each
CS-F0527250	250 ML	35/20	Each
CS-F0527500	500 ML	35/20	Each
CS-F0527000	1000 ML	35/20	Each
CS-F052702L	2000 ML	35/20	Each

Flask, Round Bottom with Hooks

- Made from borosilicate glass 3.3
- Heavy wall design , short neck flask with a standard taper joint
- Flask feature a groove to help in clamping the flask
- Flask has two hooks with 180° apart



Catalog Number	Capacity	Joint Size	Pack Size
CS-F0331405	5 ML	14/20	Each
CS-F0331905	5 ML	19/22	Each
CS-F0331410	10 ML	14/20	Each
CS-F0331910	10 ML	19/22	Each
CS-F0331425	25 ML	14/20	Each
CS-F0331925	25 ML	19/22	Each
CS-F0331450	50 ML	14/20	Each
CS-F0331950	50 ML	19/22	Each
CS-F0331100	100 ML	14/20	Each
CS-F0339100	100 ML	19/22	Each
CS-F0334250	250 ML	24/40	Each
CS-F0334500	500 ML	24/40	Each
CS-F0334000	1000 ML	24/40	Each

Flask, Round Bottom, Threaded Inlet

- Made from borosilicate glass 3.3
- Heavy wall flasks feature side neck for insertion
- Side neck insertion for thermometers or bleed tubes



Catalog Number	Capacity	Joint Size	Pack Size
CS-F0141425	25 ML	14/20	Each
CS-F0141450	50 ML	14/20	Each
CS-F0141100	100 ML	14/20	Each
CS-F0149100	100 ML	19/22	Each
CS-F0144100	100 ML	24/40	Each
CS-F0141250	250 ML	14/20	Each
CS-F0149250	250 ML	19/22	Each
CS-F0144250	250 ML	24/40	Each
CS-F0144500	500 ML	24/40	Each

Flask, Two Neck, Angled

- Made from ASTM E438 Type 1 Class A borosilicate 33 expansion glass
- Good temperature resistance
- Chemically resistant
- Uniform wall thickness
- Durable round bottom flasks with 2 neck at an angle



Catalog Number	Capacity	Side Joint	Center Joint	Pack Size
CS-F0411410	10 ML	10/30	14/20	Each
CS-F0414910	10 ML	19/22	19/22	Each
CS-F0411110	10 ML	14/20	14/20	Each
CS-F0411125	25 ML	14/20	14/20	Each
CS-F0411925	25 ML	14/20	19/22	Each
CS-F0419925	25 ML	19/22	19/22	Each
CS-F0411950	50 ML	14/20	19/22	Each
CS-F0414150	50 ML	14/20	24/40	Each
CS-F0419950	50 ML	19/22	19/22	Each
CS-F0414450	50 ML	24/40	24/40	Each
CS-F0411150	50 ML	14/20	14/20	Each
CS-F0414950	50 ML	19/22	24/40	Each
CS-F0413100	100 ML	10/30	19/22	Each
CS-F0411100	100 ML	14/20	14/20	Each
CS-F0411900	100 ML	14/20	19/22	Each
CS-F0414100	100 ML	14/20	24/40	Each
CS-F0419900	100 ML	19/22	19/22	Each
CS-F0419100	100 ML	19/22	24/40	Each
CS-F0414400	100 ML	24/40	24/40	Each
CS-F0411250	250 ML	14/20	14/20	Each
CS-F0410250	250 ML	14/20	19/22	Each
CS-F0414251	250 ML	14/20	24/40	Each
CS-F0419250	250 ML	19/22	19/22	Each
CS-F0414259	250 ML	19/22	24/40	Each

Catalog Number	Capacity	Side Joint	Center Joint	Pack Size
CS-F0414250	250 ML	24/40	24/40	Each
CS-F0411501	500 ML	14/20	14/20	Each
CS-F0419501	500 ML	14/20	19/22	Each
CS-F0414501	500 ML	14/20	24/40	Each
CS-F0419509	500 ML	19/22	19/22	Each
CS-F0414509	500 ML	19/22	24/40	Each
CS-F0414504	500 ML	24/40	24/40	Each
CS-F041611L	1000 ML	14/20	24/40	Each
CS-F041621L	1000 ML	19/22	24/40	Each
CS-F041241L	1000 ML	24/40	24/40	Each
CS-F041242L	2000 ML	24/40	24/40	Each

Flask, Three Neck, Vertical

- Made from borosilicate glass
- Available in various sizes
- The round bottom flask has three necks, the centre neck is vertical and the side necks are 180° and are inclined at an angle of 20° to the vertical
- All necks have standard taper outer joints



Catalog Number	Capacity	Side Joint	Center Joint	Pack Size
CS-F0441150	50 ML	14/20	14/20	Each
CS-F0449150	50 ML	19/22	14/20	Each
CS-F0449950	50 ML	19/22	19/22	Each
CS-F0441100	100 ML	14/20	14/20	Each
CS-F0449100	100 ML	19/22	14/20	Each
CS-F0449900	100 ML	19/22	19/22	Each
CS-F0444100	100 ML	24/40	14/20	Each
CS-F0444900	100 ML	24/40	19/22	Each
CS-F0444400	100 ML	24/40	24/40	Each
CS-F0441250	250 ML	14/20	14/20	Each
CS-F0440250	250 ML	19/22	14/20	Each
CS-F0449250	250 ML	19/22	19/22	Each
CS-F0442250	250 ML	24/40	19/22	Each
CS-F0444250	250 ML	24/40	24/40	Each
CS-F0441500	500 ML	14/20	14/20	Each
CS-F0442500	500 ML	19/22	14/20	Each
CS-F0449500	500 ML	19/22	19/22	Each
CS-F0440500	500 ML	24/40	19/22	Each
CS-F0444500	500 ML	24/40	24/40	Each
CS-F044411L	1000 ML	24/40	14/20	Each
CS-F044491L	1000 ML	24/40	19/22	Each
CS-F0444000	1000 ML	24/40	24/40	Each
CS-F044242L	2000 ML	24/40	24/40	Each
CS-F044243L	3000 ML	24/40	24/40	Each
CS-F044245L	5000 ML	24/40	24/40	Each

Flask, Three Neck, Angled

- Made from borosilicate glass
- Available in various sizes
- These round-bottom, heavy wall, three-neck flasks have [ST] outer joints on the center neck and 20°-angled side necks



Catalog Number	Capacity	Side Joint	Center Joint	Pack Size
CS-F0431110	10 ML	14/20	14/20	Each
CS-F0431125	25 ML	14/20	14/20	Each
CS-F0439125	25 ML	19/22	14/20	Each
CS-F0439925	25 ML	19/22	19/22	Each
CS-F0431150	50 ML	14/20	14/20	Each
CS-F0439150	50 ML	19/22	14/20	Each
CS-F0439950	50 ML	19/22	19/22	Each
CS-F0434150	50 ML	24/40	14/20	Each
CS-F0434950	50 ML	24/40	19/22	Each
CS-F0434450	50 ML	24/40	24/40	Each
CS-F0431100	100 ML	14/20	14/20	Each
CS-F0439100	100 ML	19/22	14/20	Each
CS-F0439900	100 ML	19/22	19/22	Each
CS-F0434100	100 ML	24/40	14/20	Each
CS-F0434900	100 ML	24/40	19/22	Each
CS-F0434400	100 ML	24/40	24/40	Each
CS-F0431250	250 ML	14/20	14/20	Each
CS-F0430250	250 ML	19/22	14/20	Each
CS-F0439250	250 ML	19/22	19/22	Each
CS-F0430050	250 ML	24/40	14/20	Each
CS-F0432250	250 ML	24/40	19/22	Each
CS-F0434250	250 ML	24/40	24/40	Each
CS-F0432500A	500 ML	14/20	14/20	Each
CS-F0432500	500 ML	19/22	14/20	Each
CS-F0439500	500 ML	19/22	19/22	Each
CS-F0430500	500 ML	24/40	19/22	Each
CS-F0434500	500 ML	24/40	24/40	Each
CS-F043411L	1000 ML	24/40	14/20	Each
CS-F043491L	1000 ML	24/40	19/22	Each
CS-F043401L	1000 ML	24/40	24/40	Each
CS-F043242L	2000 ML	24/40	24/40	Each

Flask, Round Bottom, 3-Neck Bottom Outlet

- With standard taper outer joints on both center and vertical side necks
- All sizes are hand blown from tubing to ensure uniform wall thickness
- 4 mm straight bore PTFE stopcock lower outlet



Catalog Number	Capacity	Side Joint	Center Joint	Pack Size
CS-F0424450	500 ML	24/40	24/40	Each
CS-F042441L	1000 ML	24/40	24/40	Each
CS-F042442L	2000 ML	24/40	24/40	Each
CS-F042252L	2000 ML	24/40	45/50	Each

Flask, Round Bottom 4-Neck,Vertical

- Heavy wall, four neck flask with standard taper outer joints on the center and vertical side necks
- All necks have Standard Taper outer joints.
- Borosilicate glass



Catalog Number	Capacity	Side Joint	Center Joint	Pack Size
CS-F0214250	250 ML	24/40	24/40	Each
CS-F0214500	500 ML	24/40	24/40	Each
CS-F0214000	1000 ML	24/40	24/40	Each

Flask, Round Bottom, 4-Neck, Angled

- Round bottom,
- HEAVY WALL, four neck flask with standard taper outer joints on the center and 20° angled side necks.
- All sizes listed below are hand-blown from tubing to ensure uniform thickness.



Catalog Number	Capacity	Side Joint	Center Joint	Pack Size
CS-F0221125	25 ML	14/20	14/20	Each
CS-F0221925	25 ML	14/20	19/22	Each
CS-F0221150	50 ML	14/20	14/20	Each
CS-F0221950	50 ML	14/20	19/22	Each
CS-F0221100	100 ML	14/20	14/20	Each
CS-F0229100	100 ML	14/20	19/22	Each
CS-F0221250	250 ML	14/20	14/20	Each
CS-F0229250	250 ML	14/20	19/22	Each
CS-F0224250	250 ML	24/40	24/40	Each
CS-F0221500	500 ML	14/20	14/20	Each
CS-F0229500	500 ML	14/20	19/22	Each
CS-F0224500	500 ML	24/40	24/40	Each
CS-F0224000	1000 ML	24/40	24/40	Each
CS-F022242L	2000 ML	24/40	24/40	Each



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