

SOXHLET EXTRACTION



Soxhlet Extraction Apparatus

These borosilicate glass Soxhlet extraction apparatus are used for the continuous extraction of solids with a suitable solvent. Complete units are supplied with a flat bottom boiling flask (LG-7230-102, LG-7230-104, or LG-7230-108), a Soxhlet extraction tube and an Allihn condenser. The extractor capacity is the solvent volume held in the extractor to the top of the siphon tube. The siphon tube is protected from accidental damage by the vapor tube. The extractor has a standard taper outer joint at the top for connection to the condenser and a standard taper inner joint at the bottom for connection to the flask.

*Soxhlet extraction apparatus uses cellulose, glass microfiber or fritted glass extraction thimbles (not supplied).

CATALOG NO.	DESCRIPTION	EXTRACTOR CAPACITY	FLASK CAPACITY	FLASK JOINT	USE WITH THIMBLE	CONDENSER JOINT	QTY / PK	PRICE
LG-6900-100	Complete Soxhlet Extraction Apparatus	50mL	125mL	ST 24/40	25mm OD x 85mmL	ST 34/45	1	\$335.19
LG-6900-104	Complete Soxhlet Extraction Apparatus	85mL	250mL	ST 24/40	35mm OD x 90mmL	ST 45/50	1	\$379.39
LG-6900-108	Complete Soxhlet Extraction Apparatus	200mL	500mL	ST 24/40	45mm OD x 130mmL	ST 55/50	1	\$462.42
LG-6900-110	Condenser					ST 34/45	1	\$143.17
LG-6900-114	Condenser					ST 45/50	1	\$162.75
LG-6900-118	Condenser					ST 55/50	1	\$206.83
LG-6900-120	Soxhlet Extractor	50mL			25mm OD x 85mmL	ST 34/45 (Lower 24/40)	1	\$176.06
LG-6900-124	Soxhlet Extractor	85mL			35mm OD x 90mmL	ST 45/50 (Lower 24/40)	1	\$212.41
LG-6900-128	Soxhlet Extractor	200mL			45mm OD x 130mmL	ST 55/50 (Lower 24/40)	1	\$243.42
LG-7230-102	Flat Bottom Flask, 125mL, 24/40						1	\$40.39
LG-7230-104	Flat Bottom Flask, 250mL, 24/40						1	\$40.39
LG-7230-108	Flat Bottom Flask, 500mL, 24/40						1	\$48.76



Extra Large Soxhlet Extraction Apparatus

This borosilicate glass X-Large Soxhlet extraction apparatus is used for the continuous extraction of solids with a suitable solvent. Complete units are supplied with a round bottom boiling flask (LG-7220-184 or LG-7220-188), a Soxhlet extraction tube (70mm or 100mm approx. I.D.) and an Allihn condenser. The extractor capacity is the solvent volume held in the extractor to the top of the siphon tube. The extractor has a standard taper outer joint at the top for connection to the condenser and a standard taper inner joint at the bottom for connection to the flask.

*Soxhlet extraction apparatus uses cellulose, glass microfiber or fritted glass extraction thimbles (not supplied).

CATALOG NO.	DESCRIPTION	EXTRACTOR CAPACITY	FLASK CAPACITY	FLASK JOINT	CONDENSER JOINT	JOINT SIZE	QTY / PK	PRICE
LG-6910-100	Complete Apparatus; 70mm I.D.	500mL	1000ml	ST 29/42	ST 71/60		1	\$847.58
LG-6910-102	Complete Apparatus; 100mm I.D.	1500mL	3000ml	ST 29/42	ST 103/60		1	\$1868.62
LG-6910-106	Condenser; 70mm I.D.					ST 71/60	1	\$373.69
LG-6910-108	Condenser; 100mm I.D.					ST 103/60	1	\$723.19
LG-6910-112	Extractor; 70mm I.D.					ST 71/60	1	\$452.33
LG-6910-114	Extractor; 100mm I.D.					ST 103/60	1	\$1101.77
LG-7220-184	Round Bottom Flask, 1000mL, 29/42						1	\$56.08
LG-7220-188	Round Bottom Flask, 3000mL, 29/42						1	\$130.38



Redesigned Extra Large Soxhlet Extraction Apparatus

This extra large Soxhlet extraction apparatus has been redesigned to eliminate large diameter Standard Taper joints from the extractor body and condenser. These larger volume extractors (approx. I.D. 145mm) are now available with LG-1023 flat flanges to reduce mass and make assembly and disassembly easier. Complete borosilicate glass assembly comes with condenser, extractor, and flask (LG-7220-270). Clamp (LG-7316-108) sold separately.

CATALOG NO.	DESCRIPTION	EXTRACTOR CAPACITY TO TOP OF SIPHON	FLASK CAPACITY	FLASK JOINT	QUANTITY / PACK	PRICE
LG-6911-104	Complete Extraction Apparatus	5000mL	12000mL	ST 55/50	1	\$2900.70
LG-6911-110	Condenser				1	\$867.39
LG-6911-116	Soxhlet Extractor	5000mL			1	\$1694.56
LG-7220-270	Round Bottom Flask, 12000mL, 55/50				1	\$296.95

IMPROVED SOXHLET EXTRACTION

Modified Soxhlet Extraction Apparatus



These large capacity Soxhlet extraction apparatus with modified design feature a wide mouth opening that provides easier charging and sample removal and a large area at the filter plate for rapid drainage of the solvent. Bulky solids may be placed directly on a fiberglass mat (not supplied) and fine materials should be placed in a cloth bag - both on top of the filter plate. Capacity to the top of the siphon tube is 2200mL and approximate overall height of the assembled borosilicate glass unit is 915mm. Complete apparatus comes with an Extractor, Ground Lid, Filter Plate, Friedrich Condenser - Standard Taper 45/50 (LG-4890-104), Straight Adapter, and Round-Bottom 5000mL Flask (LG-7220-248).

CATALOG NO.	DESCRIPTION	JOINT SIZE	QUANTITY / PACK	PRICE
LG-6920-100	Complete Apparatus		1	\$1991.94
LG-6920-110	Extractor	ST 45/50	1	\$1354.74
LG-6920-112	Ground Lid		1	\$128.64
LG-6920-114	Filter Plate		1	\$103.39
LG-1190-202	Reducing Adapter	29/42 Top Outer, 45/50 Bottom Inner	1	\$86.05

EXTRACTION THIMBLES



Extraction Thimbles with Fritted Disc

Use this borosilicate glass extraction mechanism with LG-6900 and LG-6910 Soxhlet Extraction Apparatus when reagents or samples require an all glass thimble. Available with fritted discs of extra coarse, coarse, or medium porosities.

CATALOG NO.	POROSITY	APPROX DIAMETER OF DISC	APPROX HEIGHT	APPROX O.D.	QUANTITY / PACK	PRICE
LG-7070-100	Extra Coarse	20mm	85mm	25mm	1	\$58.77
LG-7070-102	Extra Coarse	30mm	90mm	35mm	1	\$66.10
LG-7070-104	Extra Coarse	40mm	130mm	45mm	1	\$62.14
LG-7070-106	Extra Coarse	50mm	150mm	57mm	1	\$92.89
LG-7070-110	Coarse	20mm	85mm	25mm	1	\$63.17
LG-7070-112	Coarse	30mm	90mm	35mm	1	\$66.10
LG-7070-114	Coarse	40mm	130mm	45mm	1	\$68.34
LG-7070-116	Coarse	50mm	150mm	57mm	1	\$91.71
LG-7070-122	Medium	30mm	90mm	35mm	1	\$68.39
LG-7070-124	Medium	40mm	130mm	45mm	1	\$81.74
LG-7070-126	Medium	50mm	150mm	57mm	1	\$99.04

EXTRACTION FLASKS



Fat Extraction Flasks

These borosilicate glass extraction apparatus are used to measure the fat content in dairy and other food products. Reference AOAC 989.05 for fat in milk. Top is tooled to accept rubber stoppers (not included).

CATALOG NO.	CAPACITY	O.D.	ACCEPTS STOPPER SIZE	QUANTITY / PACK	PRICE
LG-6912-100	110mL	35mm	1	1	\$95.29
LG-6912-102	260mL	48mm	2	1	\$117.20

EXTRACTION FLASKS

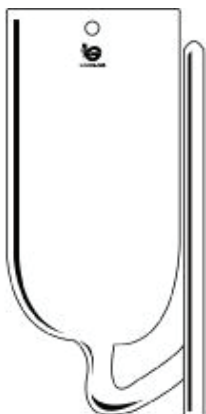


Flat Bottom Extraction Flasks

Special purpose flask used to aid the process of separation of selected analysis from a mixture or solution.

CATALOG NO.	CAPACITY	STOPPER NUMBER	QUANTITY / PACK	PRICE
LG-7223-100	100mL	6	1	\$25.54
LG-7223-102	150mL	7	1	\$27.90
LG-7223-104	250mL	8	1	\$28.41
LG-7223-106	500mL	10	1	\$33.66

EXTRACTION SIPHON



Siphon ASTM Extraction Apparatus

A block-tin condenser fits within a 400mL flask and this borosilicate glass extraction cup with siphon tube is suspended with wire from the condenser.

Reference: ASTM D 297 Methods for Rubber Products; ASTM D 305 Test Method for Solvent-Extractable Material in Black Pigments.

CATALOG NO.	OVERALL DIAMETER OF CUP AND SIPHON TUBE	OUTSIDE DIAMETER OF SIPHON CUP	HEIGHT OF SIPHON CUP	QUANTITY / PACK	PRICE
LG-6914-100	30mm	24mm	62mm	1	\$87.61
LG-6914-102	35mm	30mm	70mm	1	\$91.85