

EXTRACTION APPARATUS

QE-1040 EXTRACTION APPARATUS

For continuous extraction of solids with a suitable solvent. The complete apparatus consists of a Friedrich condenser, a soxhlet extractor and a flat bottom flask with a 24/40 outer joint.

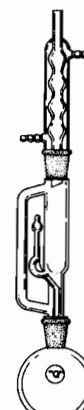
<u>Flask Capacity, ML</u>	<u>Condenser Joint</u>	<u>Complete Code</u>	<u>Condenser Only Code</u>	<u>Soxhlet Only Code</u>	<u>Flask Only Code</u>
125	34/45	-110	QC-3020-112	QE-2015-110	QF-1005-219
250	45/50	-111	QC-3020-113	QE-2015-112	QF-1005-220
300	55/50	-112	QC-3020-114	QE-2015-113	QF-1005-221



QE-1060 EXTRACTION APPARATUS

Similar to QE-1040, but the Friedrich condenser is replaced with an Allihn condenser.

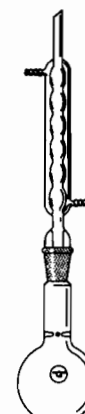
<u>Flask Capacity, ML</u>	<u>Condenser Joint</u>	<u>Complete Code</u>	<u>Condenser Only Code</u>	<u>Soxhlet Only Code</u>	<u>Flask Only Code</u>
125	34/45	-110	QE-1080-111	QE-2015-110	QF-1005-219
250	45/50	-111	QE-1080-317	QE-2015-112	QF-1005-220
300	55/50	-112	QE-1080-419	QE-2015-113	QF-1005-221



QE-1070 EXTRACTION APPARATUS

Bailey-Walker, the complete apparatus consists of a 300mm Allihn condenser and a 250ml flat bottom flask. The flask has a long neck with indentations to support a thimble. The joint sizes are 40/50.

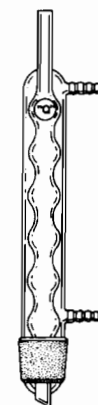
<u>Description</u>	<u>Code</u>
Complete Apparatus	-110
Flask Only	-111
Condenser Only	-112



QE-1080 EXTRACTION APPARATUS

Mostly used in Soxhlet extraction. Condenser has a drip tip on the bottom with a plain tube on the top.

<u>Jacket Length, MM</u>	<u>34/45 Inner Code</u>	<u>40/50 Inner Code</u>	<u>45/50 Inner Code</u>	<u>55/50 Inner Code</u>
200	-110	-213	-316	- - -
250	-111	-214	-317	-419
300	-112	-215	-318	-420

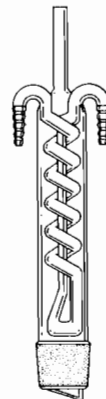


EXTRACTION APPARATUS

QE-2000 EXTRACTION CONDENSER

Mostly used in soxhlet extraction. The hose connections are at the top, opposite each other, coolant passes through the inner coil. Drip tip at the bottom and a plain tube on the top.

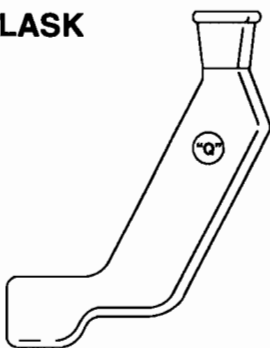
<u>Jacket Length, MM</u>	<u>34/45 Inner Code</u>	<u>40/50 Inner Code</u>	<u>45/50 Inner Code</u>	<u>55/50 Inner Code</u>
200	-110	-213	-316	- - -
250	-111	-214	-317	-419
300	-112	-215	-318	-420



QE-2010 EXTRACTION FLASK

Mojonnier, for the extraction of fat from milk and milk products. The top is tooled to take rubber stoppers. Stoppers not included.

<u>Body OD, MM</u>	<u>Rubber Stopper No.</u>	<u>Code</u>
35	1	-110
48	2	-111



QE-2040 EXTRACTOR, SOXHLET

Jacketed with vapor openings at the top of the inner tube, this enables extraction at the boiling point of the solvent.

<u>Top Outer Joint</u>	<u>Bottom Inner Joint</u>	<u>Code</u>
34/45	24/40	-110
45/50	24/40	-111
55/50	24/40	-112



QE-2015 EXTRACTOR, SOXHLET

For use in extracting solids with a suitable solvent.

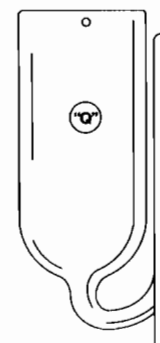
<u>Top Outer Joint</u>	<u>Bottom Inner Joint</u>	<u>Code</u>
34/45	24/40	-110
40/50	24/40	-111
45/50	24/40	-112
55/50	24/40	-113



QE-2050 EXTRACTOR SIPHON

Siphon cup is 30mm OD x 70mm long, with a 4mm siphon tube. Designed to be hung from the inside of a flask, but adaptable to other types of apparatus. Siphons meet the requirements of ASTM D147 and D305.

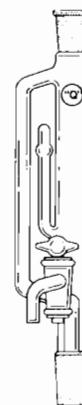
Code
-110



QE-2020 EXTRACTOR, SOXHLET

Similar to QE-2015, but with the addition of a stopcock for withdrawing samples from the extraction chamber. Available with a glass or teflon stopcock.

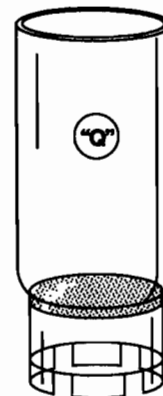
<u>Top Outer Joint</u>	<u>Bottom Inner Joint</u>	<u>Glass Stopcock Code</u>	<u>Teflon Stopcock Code</u>
34/45	24/40	-110	-214
40/50	24/40	-111	-215
45/50	24/40	-112	-216
55/50	24/40	-113	-217



EXTRACTION APPARATUS

QE-2060 EXTRACTION THIMBLES

Used in any standard soxhlet extraction apparatus. Thimble has a sealed in fritted disc. Available in fine, medium, coarse and extra coarse porosities.



Porosity Code

OD, MM	Height, MM	Fine	Medium	Coarse	Extra Coarse
25	80	-110	-213	-316	-419
35	90	-111	-214	-317	-420
45	130	-112	-215	-318	-421

QE-2070 EXTRACTION TUBE

Body of the tube has a 34/45 outer joint and is 32mm OD x 100mm long and has a 24/40 drip tip at the bottom.

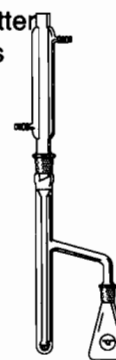
Code
-110



QE-2080 EXTRACTION APPARATUS

Ether, used to determine unsaponifiable matter in gum and wood resin. Complete apparatus consists of a 400mm liebig condenser, extractor, distributor tube with a perforated bulb and 250ml flask. All joints are 24/40.

Description	Code
Complete Apparatus	-110
Extractor Only	-111
Distributor Only	-112
Condenser Only	QC-4005-112
Flask Only	QF-3040-112

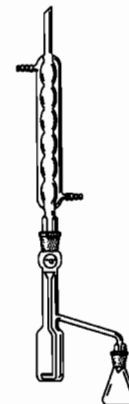


QE-2090 EXTRACTION APPARATUS

Designed to extract liquids with ether. The Complete apparatus consists of a 300mm Allihn condenser, an extractor, a distributor tube with a coarse porosity fritted disc and an erlenmeyer flask with a 24/40 outer joint.

Flask	Condenser	Complete	Extractor	Distributor	Condenser
<u>Capacity, ML</u>	<u>Joint</u>	<u>Code</u>	<u>Code</u>	<u>Code</u>	<u>Code</u>
125	34/45	-110	-215	-320	-425
250	40/50	-111	-216	-321	-426
500	40/50	-112	-217	-322	-427
1000	40/50	-113	-218	-323	-428
2000	40/50	-114	-219	-324	-429

*For flask only
See QF-3040*



QE-3000 EXTRACTION APPARATUS

Ether, similar to QE-2090, but the Allihn condenser is replaced by a double cooling spiral condenser.

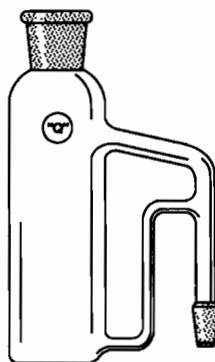
Flask	Condenser	Complete	Condenser
<u>Capacity, ML</u>	<u>Joint</u>	<u>Code</u>	<u>Code</u>
125	34/45	-110	-215
250	40/50	-111	-216
500	40/50	-112	-217
1000	40/50	-113	-218
2000	40/50	-114	-219



EXTRACTION APPARATUS

QE-3010 EXTRACTOR, LIQUID-LIQUID CONTINUOUS

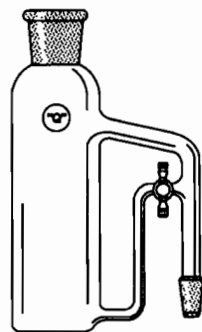
For samples of 1000ml plus approximately 200ml of solvent. Unit is designed to sit flat on bench allowing flask placement on lower level in heating mantle. 24/40 inner joint on uptake tube.



Top Outer Joint	Code
45/50	-110
55/50	-111

QE-3020 EXTRACTOR, LIQUID-LIQUID CONTINUOUS, TEFLON STOPCOCK

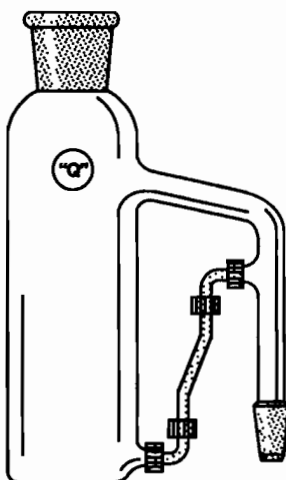
Similar to QE-3010, but with the addition of a 2mm teflon stopcock on the lower connecting tube. A 24/40 inner joint on uptake tube.



Top Outer Joint	Code
45/50	-110
55/50	-111

QE-3030 EXTRACTOR, LIQUID-LIQUID CONTINUOUS

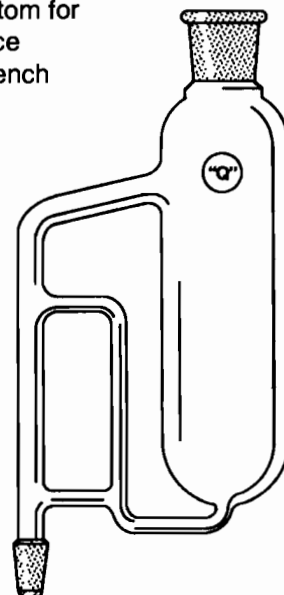
Similar to QE-3010, but with the glass tube between the uptake tube and extraction chamber being replaced with teflon tubing and fittings. Design allows for easier cleaning of extractor and replacement of normally fragile sealed-on glass tube. Complete unit consists of extractor body, teflon tubing and teflon fittings.



Top Outer Joint	Code
45/50	-110
55/50	-111
Teflon Tubing (pkg of 6 ea)	-112
Teflon Fitting 90° (ea)	-113

QE-3040 EXTRACTOR, LIQUID-LIQUID CONTINUOUS

For samples of 1000ml plus approximately 200ml of solvent. Widely used round bottom extractor has the return tube sealed into the bottom for more efficient extractions. Since extractor does not sit flat on bench surface, clamping is required. Available with standard taper or socket joint at top. A 24/40 inner joint on uptake tube.

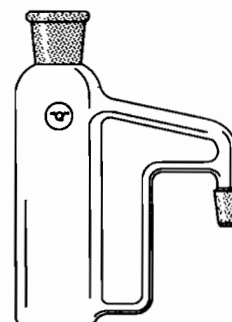


Top Outer Joint	Code
45/50	-110
55/50	-111

Top Socket Joint	Code
35/25	-212
50/30	-213

QE-3050 EXTRACTOR, LIQUID-LIQUID CONTINUOUS

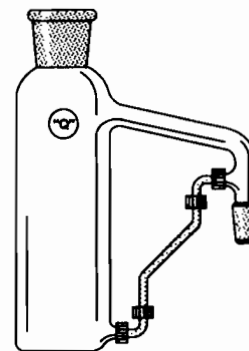
For samples of 1000ml plus approximately 200ml of solvent. Design allows for extractor flask and heating mantle to be set up on a single flat bench surface. A 24/40 inner joint on uptake tube.



Top Outer Joint	Code
45/50	-110
55/50	-111

QE-3060 EXTRACTOR, LIQUID-LIQUID CONTINUOUS

Similar to QE-3050 but the glass tube between the extractor chamber & the uptake tube is replaced with teflon tubing & fittings. Allows for easier cleaning and replacement of fragile sealed-on glass tube. Complete unit consists of extractor body, teflon tubing & teflon fittings.



Top Outer Joint	Code
45/50	-110
55/50	-111
Teflon Tubing (6 ea)	-112
Teflon Fitting 90° (ea)	-113