

DENSITY

QD-1000 DENSITY COLUMN

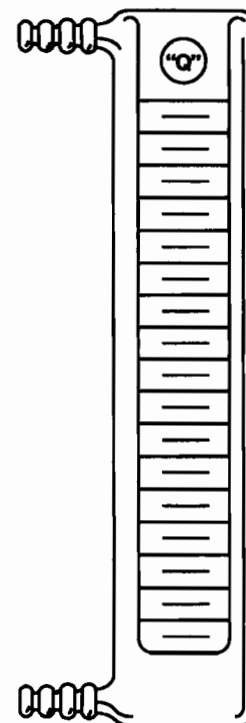
Graduated, jacketed column with hose connections for temperature control. Used for density determinations of solutions or solids. Dimensions 60mm OD x 38mm ID and 44" lg.

Code
-110

QD-1005 DENSITY FLOATS

Glass spheres used in density columns for density determinations of solutions or solids. Accuracy is within 0.05%. Each float is accurate to 0.0002 gm/cc, calibrated to a specific density and will remain suspended in a solution of similar density. Sphere diameter is 4.5mm and adjusted to 23° C. There are 5 colors available. Please specify density and color required.

Density Range	Amber	Blue	Yellow	Green	Clear
<u>GM/CC</u>	<u>Code</u>	<u>Code</u>	<u>Code</u>	<u>Code</u>	<u>Code</u>
0.7000 to 1.5999	-110	-213	-316	-419	-522
1.6000 to 2.3400	-111	-214	-317	-420	-523
2.3401 to specify	-112	-215	-318	-421	-524

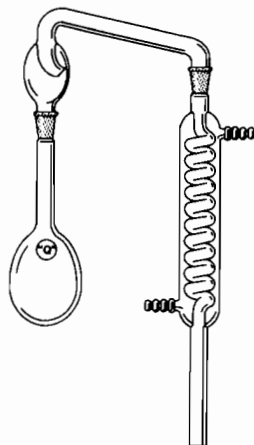


DISTILLING APPARATUS

QD-1010 DISTILLING APPARATUS

Ammonia, complete apparatus consists of a kjeldahl flask, a 200mm graham condenser and a connecting tube with a trap. All joints are 24/40.

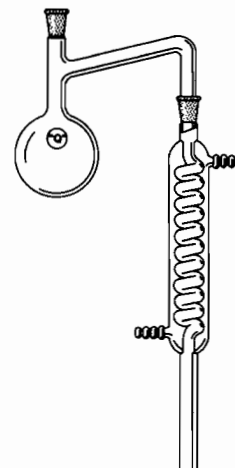
<u>Description</u>	<u>Kjedahl Size, ML</u>	<u>Code</u>
Complete Apparatus	300	-110
Complete Apparatus	500	-111
Complete Apparatus	800	-112
Connecting Tube Only		-113
Condenser Only	QC-3060-110	
Kjedahl Flask Only	QF-3090	



QD-1011 DISTILLING APPARATUS

Ammonia, Nitrogen, complete apparatus consists of a boiling flask with a side arm to a graham condenser. All joints are 24/40.

<u>Description</u>	<u>Flask, ML</u>	<u>Condenser</u>	
		<u>Jacket, MM</u>	<u>Code</u>
Complete Apparatus	500	200	-110
Complete Apparatus	1000	250	-111
Complete Apparatus	1000	300	-112
Flask Only	500		-113
Flask Only	1000		-114
Condenser Only		QC-3060	

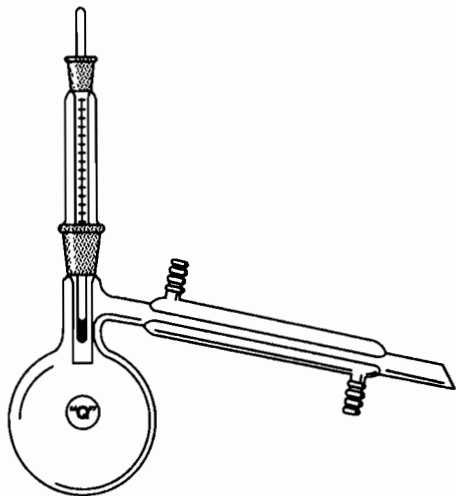


DISTILLING APPARATUS

QD-1012 DISTILLING APPARATUS

Boiling range, the complete apparatus consists of a 300ml boiling flask with connected 200mm liebig condenser, an adapter and a -10-360° C total immersion thermometer.

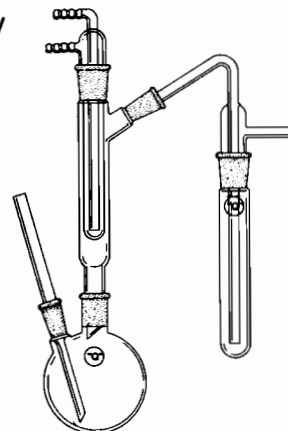
Description	Code
Complete Apparatus	-110
Flask - Condenser only	-111
Adapter only	-112
Thermometer only	-113



QD-1014 DISTILLING APPARATUS

Cyanide, ASTM D2036, complete unit consists of a 1000ml 2 neck flask, an inlet tube, a separable reflux condenser and a 2 part vacuum trap with a medium porosity fritted cylinder.

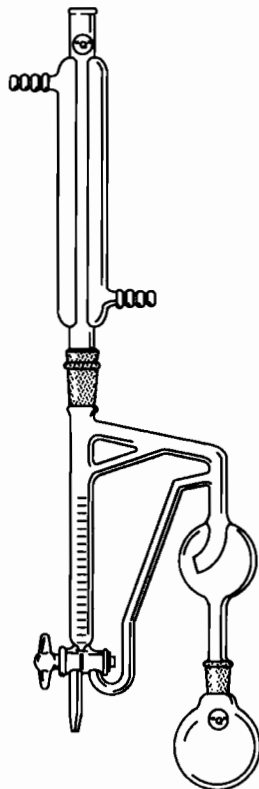
Description	Code
Complete Apparatus	-110
Flask, 2 Neck 1000ml, 19/38 CN, 19/38 SN	-111
Inlet Tube Only	-112
Condenser Body Only	-113
Condenser Insert Only	-114
Absorber Body Only	-115
Absorber Insert Only	-116



QD-1013 DISTILLING APPARATUS

Branigan, the complete apparatus consists of a 1000ml boiling flask, a 25ml graduated receiver with an oblique stopcock and a 300mm liebig condenser.

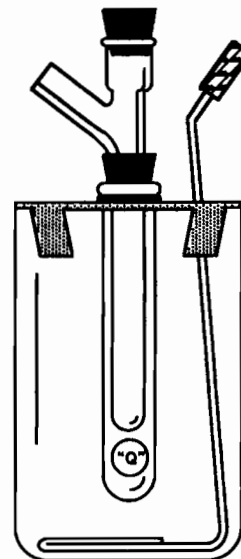
Description	Code
Complete Apparatus	-110
Condenser only	-111
Receiver only	QD-6052-110
Flask only	QF-1000-224



QD-1015 DISTILLING APPARATUS

Freezing point depression apparatus for molecular weight determinations. Complete apparatus consists of cooling jar with clamp down lid, stirring rod, air jacket tube and freezing point tube, which is supported in air jacket with use of a rubber stopper. Air jacket is then supported in cooling jar by use of another rubber stopper. Special platinum stirrer wire is not included.

Description	Code
Complete Apparatus	-110
Air Jacket Only	-111
Freeze Tube Only	-112
Rubber Stoppers (2)	-113
Cooling Jar Only	-114
Stirrer Rod Only	-115
Cover Only	-116
Special Platinum Wire	-117

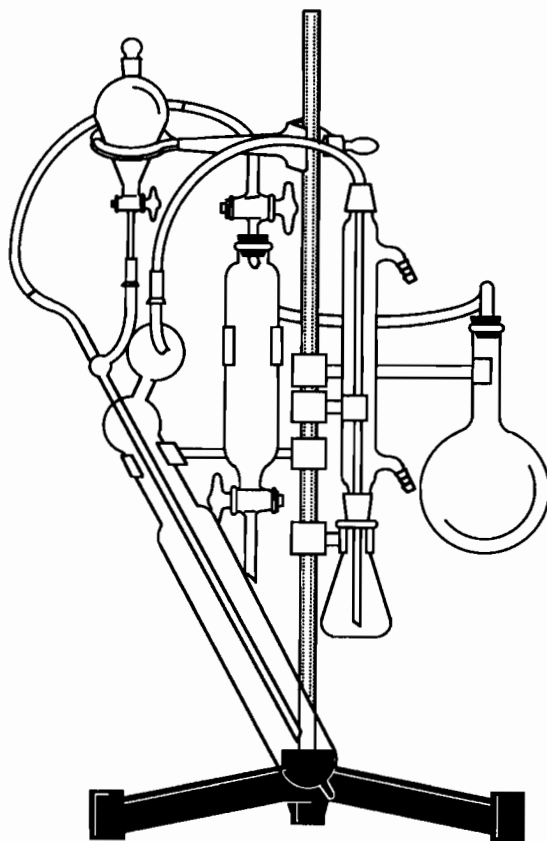


DISTILLING APPARATUS

QD-1017 DISTILLING APPARATUS

Compact nitrogen distillation apparatus for small sample kjeldahl determinations. Distilling flask has an evacuated jacket to eliminate a second burner. Complete apparatus consists of a jacketed kjeldahl flask, a pear shaped funnel, a silver condenser tube, a condenser jacket, a vapor vessel with a stopcock, a 125ml erlenmeyer receiving flask, a 1000ml boiling flask and clamps with stand.

<u>Description</u>	<u>Code</u>
Complete Apparatus	-110
Kjeldahl Flask	-111
Pear Shape Funnel	-112
Silver Condenser Tube	-113
Condenser Jacket	-114
Vapor Vessel and Stopcock	-115
125ML Erlenmeyer	-116
1000ML Boiling Flask	-117
Vinyl Clamps (5)	-118
Thermometer Clamp (1)	-119
Flex Connectors (6)	-120
Ring Clamp (1)	-121
Stand	-122

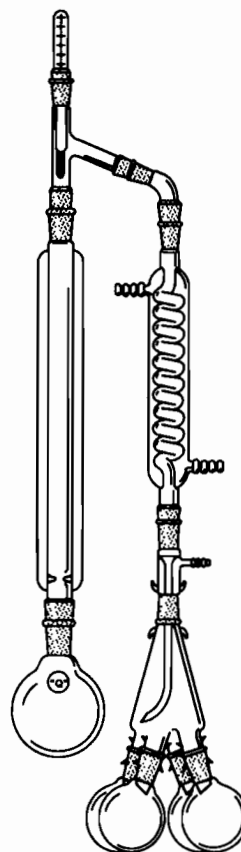


QD-1018 DISTILLING APPARATUS

For high purity distillations. Complete apparatus consists of a 1000 ml flask, a jacketed distilling column, an adapter, a 75mm immersion thermometer, a condenser and a distilling receiver with 4 100ml boiling flasks. All joints are 24/40.

<u>Description</u>	<u>Code</u>
Complete Apparatus	-110
Distilling Column Only	-111
Adapter Only	QA-1460-110
Thermometer Only	QT-2000-112

<u>Description</u>	<u>Code</u>
Condenser Only	-212
Receiver Only	-213
1000ML Flask	QF-1000-224
100ML Flask Only	QF-1000-220

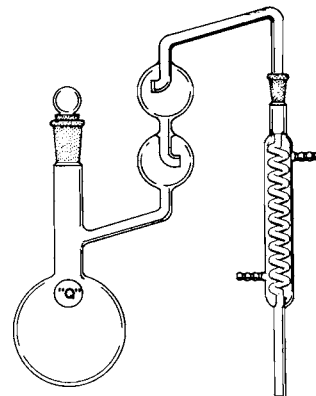


DISTILLING APPARATUS

QD-1020 DISTILLING APPARATUS

Yoe, complete apparatus consists of a flask with an attached double vapor bulb and a graham condenser.

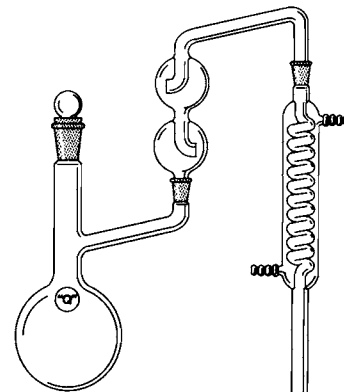
Flask Capacity ML/Joint Size	Condenser Length MM/Joint Size	Code
1000-24/40	200-19/38	-110
2000-29/42	300-24/40	-111
3000-29/42	500-24/40	-112
5000-45/50	500-24/40	-113



QD-1025 DISTILLING APPARATUS

Yoe, Similar to QD-1020 but the double vapor bulb is separate from the flask. Complete apparatus consists of a flask with side outlet, 19/38 outer joint, a double vapor bulb, a graham condenser and a 45/50 stopper for center neck of flask.

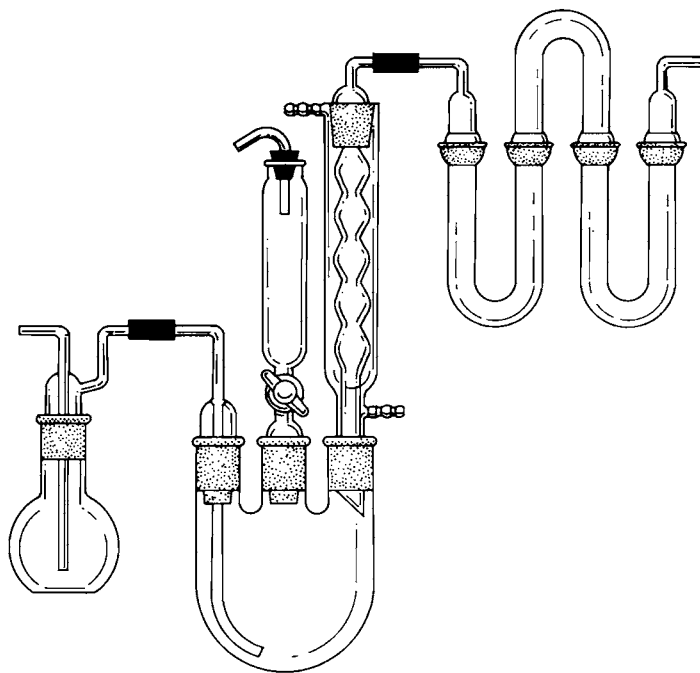
Description	Flask Capacity, ML	Condenser Jacket, MM	Code
Complete Apparatus	3000	300	-110
Complete Apparatus	5000	300	-111
Flask Only	3000		-112
Flask Only	5000		-113
Double Vapor Bulb Only			-114
Condenser Only		300	-115



QD-1030 DISTILLING APPARATUS

Sulfur dioxide, Monier-Williams method modified (26) A.D.A.C. for testing SO₂ as a food additive. Complete apparatus consists of a 1000ml 3 neck boiling flask with 24/40 outer joints, a 300mm Allihn condenser with 24/40 joints, a right angle 24/40 adapter, a 35/20 u-tube assembly, an addition funnel with a 2mm glass stopcock and 24/40 inner joint, a #3 rubber stopper assembly, a 24/40 curved inlet tube and a 250ml gas washing bottle.

Description	Code
Complete Apparatus	-110
Addition Funnel Only	-111
Rubber Stopper Assembly Only	-112
Curved Inlet Tube Only	-113
Right Angle Adapter Only	-114
3 Neck Flask Only	QF-2000-238
Allihn Condenser Only	QC-3010-111
Gas Washing Bottle Only	QB-1115-110
U-Tube Assembly Only	QD-7085-213

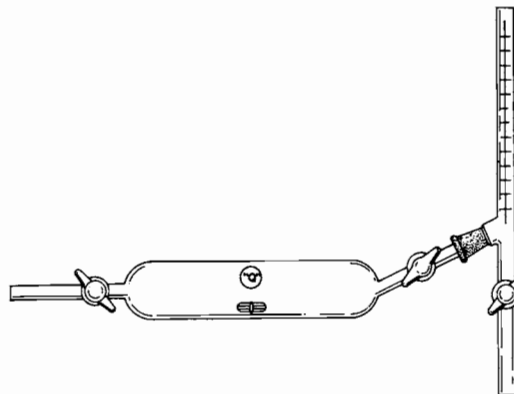


DISTILLING APPARATUS

QD-1032 DISTILLING APPARATUS

Testing, air in stock, consists of a 500ml pipet with an 8mm glass stopcock on both ends and a stirring bar inside. Expansion tube with a 5mm glass stopcock. Graduated to 20ml in 0.1ml subdivisions.

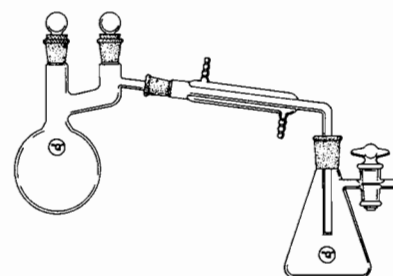
Description	Code
Complete Apparatus	-110
Pipet Only	-111
Expansion Tube Only	-112



QD-1035 DISTILLING APPARATUS

Vacuum, complete apparatus consists of a flask with side outlet, condenser, erlenmeyer flask with side stopcock and 2 stoppers.

Description	Flask Capacity, ML	Condenser Length, MM	Code
Complete Apparatus	250	200	-110
Complete Apparatus	500	400	-111
Complete Apparatus	1000	400	-112
Flask Only	250		-113
Flask Only	500		-114
Flask Only	1000		-115
Condenser Only		200	-116
Condenser Only		400	-117

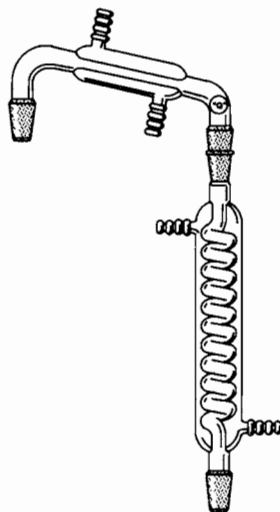


Receiving Flask Only
See QF-3078

QD-1037 DISTILLING APPARATUS

Single distilling head for distillation of solvents. Complete apparatus consists of a 250mm graham condenser and a single liebig distilling head. Total width is approximately 14". All joints are 24/40.

Description	Code
Complete Apparatus	-110
Distilling Head Only	-111
Condenser Only	QC-3080-111



QD-1038 DISTILLING APPARATUS

Dual distilling head for distillation of solvents at the same time. Complete apparatus consists of a 250mm graham condenser and a dual liebig distilling head. Total width is approximately 28". All joints are 24/40.

Description	Code
Complete Apparatus	-110
Distilling Head Only	-111
Condenser Only	QC-3080-111

