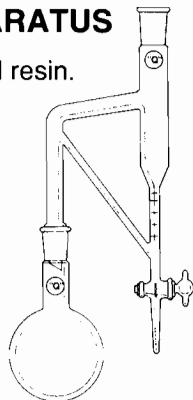


PETROLEUM APPARATUS

QP-1060 VOLATILE OIL APPARATUS

ASTM # D889, to determine volatile oil resin. Consists of a graduated 5ml receiver and 500 ml flask, 24/40 joints.

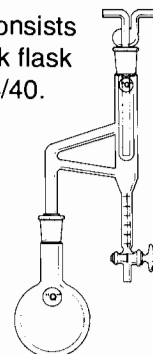
Description	Code
Complete	-110
Receiver Only	-111
Flask Only	QF-1000-223



QP-1080 VOLATILE OIL APPARATUS

Designed for oils heavier than water. Consists of a 5ml graduated receiver, a long neck flask and a cold finger insert. All joints are 24/40.

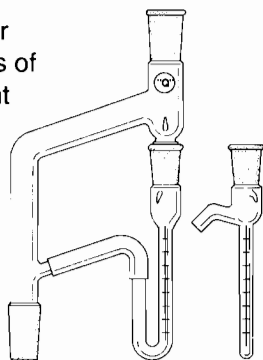
Description	Code
Complete	-110
Receiver Only	-111
Insert Only	-112
Flask Only	QF-1010-220



QP-1070 VOLATILE OIL APPARATUS

Lee-Ogg A.O.A.C., for oils lighter and heavier than water. Consists of a receiver with a 24/40 inner joint and outer joint, and a 14/20 inner joint, two graduated tubes with 14/20 outer joints. Tubes can be removed for centrifuge.

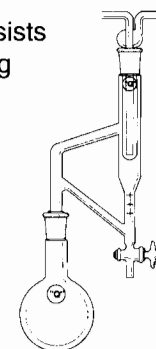
Code
-110



QP-1090 VOLATILE OIL APPARATUS

Designed for oils lighter than water. Consists of a 5ml graduated receiver, a 250ml long neck flask and a cold finger insert. All joints are 24/40.

Description	Code
Complete	-110
Receiver Only	-111
Insert Only	-112
Flask Only	QF-1010-220

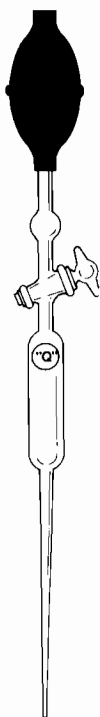


PIPETETS

QP-2000 PIPET, AUTOMATIC

For acids and other hazardous liquids. Capacity is from the bottom of the stopcock to the tip. Pipet comes with rubber bulb.

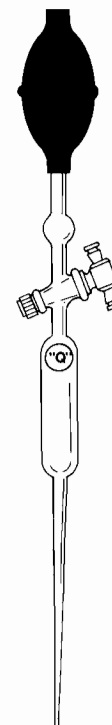
Capacity ML	Tolerance + or - , ML	Code
1	.012	-110
2	.012	-111
5	.02	-112
10	.04	-113
15	.06	-114
20	.06	-115
25	.06	-116
50	.10	-117
100	.16	-118



QP-2020 PIPET, AUTOMATIC

Similar to QP-2000, but with a teflon stopcock.

Capacity ML	Tolerance + or - , ML	Code
1	.012	-110
2	.012	-111
5	.02	-112
10	.04	-113
15	.06	-114
20	.06	-115
25	.06	-116
50	.10	-117
100	.16	-118

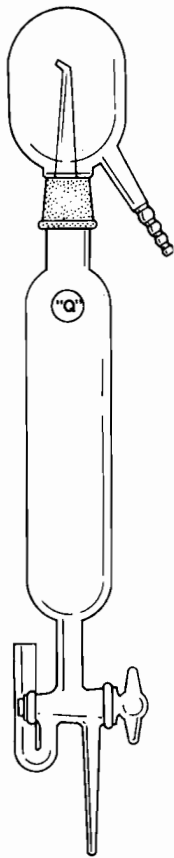


PIPETS

QP-2040 PIPET, AUTOMATIC

Dafert type. Calibrated to deliver at 20° C. The volume is from the top of the 2mm double oblique stopcock to the overflow tip. Complete with cap and 10/18 joints.

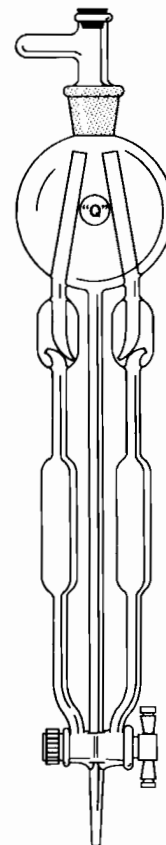
Capacity <u>ML</u>	Tolerance <u>+ or - , ML</u>	<u>Code</u>
5	.02	-110
10	.04	-111
25	.06	-112
50	.10	-113
100	.16	-114



QP-2070 PIPET, AUTOMATIC

Precision grade with two volumetric pipets protected inside a reservoir. Automatically fills one side while the other side empties with a turn of the double V-bore teflon stopcock. Due to gravity filling, air bubbles are eliminated. Complete with a 24/40 vented hollow stopper which doubles as a drying tube.

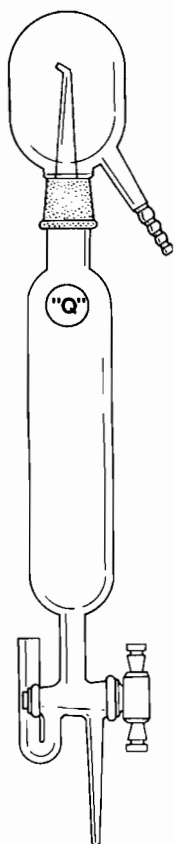
Pipet Capacity <u>ML</u>	Reservoir Capacity <u>ML</u>	<u>Code</u>
10	1000	-110
20	2000	-111
25	2000	-112
50	2000	-113
100	2000	-114



QP-2060 PIPET, AUTOMATIC

Similar to QP-2040, but with a teflon stopcock.

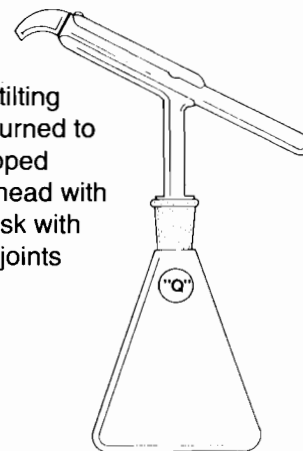
Capacity <u>ML</u>	Tolerance <u>+ or - , ML</u>	<u>Code</u>
5	.02	-110
10	.04	-111
25	.06	-112
50	.10	-113
100	.16	-114



QP-2080 PIPET, AUTOMATIC

Repeating tilt type, for rapid delivery of identical volumes of liquid. The unit is filled by tilting backwards, the excess is returned to the reservoir as the unit is tipped forward. Consists of a pipet head with hooks and an erlenmeyer flask with hooks. Complete with 24/40 joints and springs.

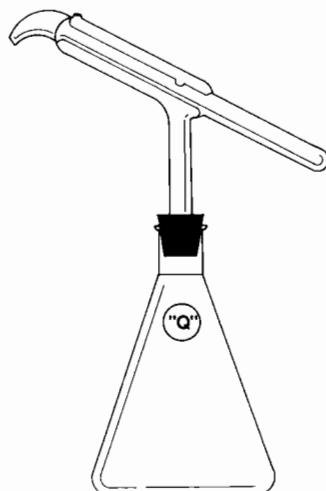
Pipet Capacity <u>ML</u>	Flask Capacity <u>ML</u>	Complete <u>Code</u>	<u>Head Only Code</u>
1	250	-110	-219
5	250	-111	-220
10	500	-112	-221
15	500	-113	-222
20	500	-114	-223
25	1000	-115	-224
30	1000	-116	-225
50	2000	-117	-226
100	2000	-118	-227



PIPETS

QP-3000 PIPET AUTOMATIC

Repeating tilt type,
Similar to QP-2080,
but held together
with a rubber stopper.

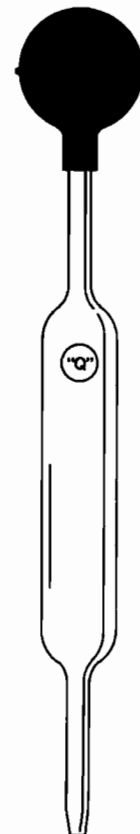


Pipet Capacity <u>ML</u>	Flask Capacity <u>ML</u>	Complete <u>Code</u>	<u>Head Only Code</u>
1	250	-110	-219
5	250	-111	-220
10	500	-112	-221
15	500	-113	-222
20	500	-114	-223
25	1000	-115	-224
30	1000	-116	-225
50	2000	-117	-226
100	2000	-118	-227

QP-3015 PIPET SAYBOLT , DROP OFF

Used for adjusting the oil
volume in saybolt viscometers
and for the determination of
settlement of emulsified
asphalts. Useful for ASTM
#D244. Complete with a
rubber bulb.

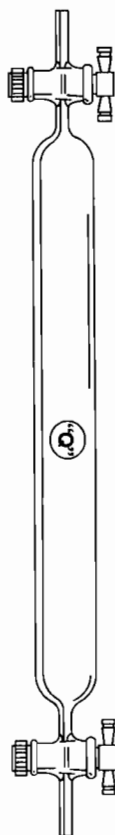
Code
-110



QP-3010 PIPET SAMPLING

To determine the percent of
free gas in paper stock or
other cellulosic furnishes.
Approximately 36" long with
10mm teflon stopcocks
at both ends.

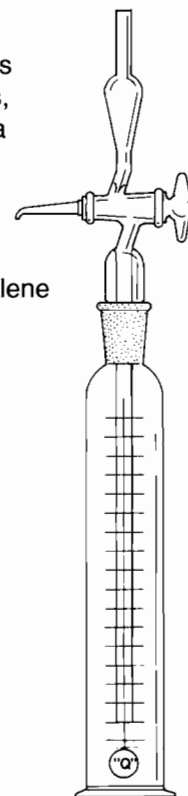
Code
-110



QP-3020 PIPET, SEDIMENTATION ANDREASEN

To determine sub-sieve grain sizes
or fine abrasives, ceramic masses,
clays, chalks, etc . . . Consists of a
550ml cylinder graduated
from 0-20cm with a 29/42
outer joint, a 10ml pipet
with a three way stopcock for
draining contents and a polypropylene
29/42 adjustable stopper to allow
precise positioning of the pipet to
zero mark on the cylinder.

<u>Description</u>	<u>Code</u>
Complete	-110
Pipet Only	-111
Cylinder Only	-112
Stopper Only	-113



PIPETS

QP-3025 PIPET, VOLUMETRIC

Calibrated to deliver. Color coded with permanent markings. Accurate and economical. Case of 12.

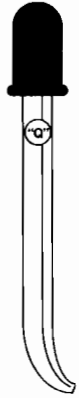
Capacity	Color	
<u>ML</u>	<u>Code</u>	<u>Code</u>
1	Blue	-110
2	Orange	-111
3	Black	-112
4	2-Red	-113
5	White	-114
10	Red	-115
15	Green	-116
20	Yellow	-117
25	Blue	-118
50	None	-119
100	None	-120



QP-3035 PIPET, DROPPING

Similar to QP-3030, but with a bent tip.

<u>Description</u>	<u>Code</u>
Package of 12	-110
Package of 144	-111

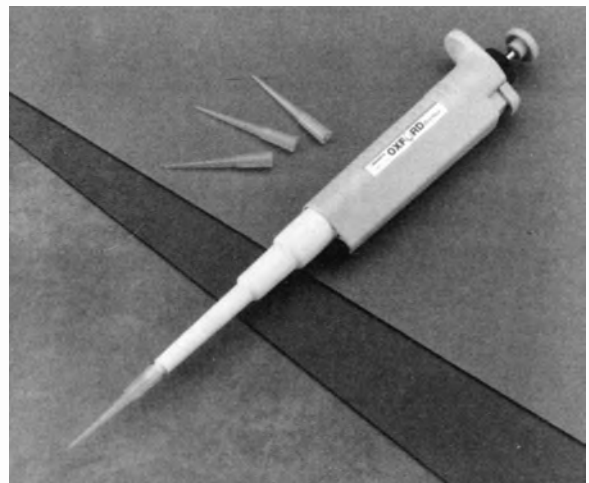


QP-3040 OXFORD BENCHMARK, ADJUSTABLE PIPET

Features easy to use locking mechanism which maintains selected volume. The benchmark continuously adjustable pipet is a general purpose hand held instrument used to dispense variable volumes of liquids in both research and clinical laboratories. A non-metallic tip ejector provides access to the bottom of most commonly used test tubes. The lightweight, slender design reduces operator fatigue during prolonged use. Thermal insulation prevents body heat from contributing to measurement error during prolonged handling. A teflon seal and O ring eliminate the need for routine maintenance and lubrication. The cylinder is designed to minimize dead air space for increased pipet accuracy.

<u>Description</u>	<u>Adjustable Increments</u>	<u>Code</u>
0.5-10 μ L Pipet	0.01 μ L	-110
10-50 μ L Pipet	0.1 μ L	-111
40-200 μ L Pipet	1.0 μ L	-112
200-1000 μ L Pipet	1.0 μ L	-113
1000-5000 μ L Pipet	10.0 μ L	-114

Note: Recalibration is done by you in your lab



QP-3029 PIPET, POLYPROPYLENE

Transfer pipet, virtually unbreakable. Steam autoclavable to 121° C. Individually calibrated with a single line.

<u>Capacity, ML</u>	<u>Cases of</u>	<u>Code</u>
25	5	-110
50	5	-111
100	12	-112



QP-3030 PIPET, DROPPING

The dropper is 3" long with a tapered tip and a rubber bulb.

<u>Description</u>	<u>Code</u>
Package of 12	-110
Package of 144	-111



PIPETS

QP-3050 OXFORD REPETITION SYRINGE DISPENSER MODEL 8100

Autoclavable, the model 8100 offers a fast, accurate method for dispensing multiple doses of a set volume. Simply slide the filling lever up to fill the syringe, then depress the dispensing button to deliver repetitive volumes from 10 μ L to 5ml. The volume delivered is determined by the volume selector dial and the size of the syringe chosen. A convenient chart located on the unit quickly identifies syringe, volume, and the number of dispenses. Slender, light weight design reduces operator fatigue.

Dispensing Volumes

Volume Adjustment Dial Number	Syringe Size, ML					Dispenses Maximum number
	0.6	1.5	6.0	15.0	60.0	
1	10 μ L	25 μ L	100 μ L	250 μ L	1000 μ L	58
2	20 μ L	50 μ L	200 μ L	500 μ L	2000 μ L	28
3	30 μ L	75 μ L	300 μ L	750 μ L	3000 μ L	18
4	40 μ L	100 μ L	400 μ L	1000 μ L	4000 μ L	13
5	50 μ L	125 μ L	500 μ L	1250 μ L	5000 μ L	10

Description	Quantity	Code
Model 8100 with one each 1.5ml, 0.6ml and 6.0 ml syringes	1	-110
0.6ml syringes with tips	100	-111
1.5ml syringes with tips	100	-112
6.0ml syringes without tips	100	-113
15ml syringes without tips	50	-114
60ml syringes without tips, with one adapter	50	-115
60ml syringe adapters	50	-116
1.5 syringe with spacer, for use with microtiter plates.	100	-117



QP-3060 OXFORD BENCHMARK MULTI 8 OR 12

The continuously adjustable multi channel pipets cover the range of 5-200 μ L. Preset volume is confirmed by the convenient digital indicator. An easy to use locking mechanism prevents accidental volume changes and ensures the precision performance demanded in today's laboratories. Effortless movement of the thumb plunger and lightweight, slender styling of the body design reduces operator fatigue. Thermal insulation prevents body heat from contributing to measurement error during prolonged handling. Both the multi 8 and multi 12 have individual plungers with maintenance free O rings. Built in tip ejector for the safe disposal of used tips.

Channel	Volume Range, Increments		Accuracy	Reproducibility	Code
	μ L	μ L			
8	5-50	0.1	3.0%-1.0% + or -	1.5%-0.5%	-110
8	40-200	1.0	1.5%-1.0% + or -	0.5%	-111
12	5-50	0.1	3.0%-1.0% + or -	1.5%-0.5%	-112
12	40-200	1.0	1.5%-1.0% + or -	0.5%	-113



QP-3070 OXFORD UNIVERSAL PIPET TIPS

Oxford brand high quality disposable universal pipette tips are primarily designed to fit the Oxford Benchmate and Rainin Pipetman instruments but these versatile tips also fit various other brands of pipettes. This convenience eliminates the costly and often cumbersome need to order and inventory many different pipette tips. Tips and racks are molded of high grade polypropylene and are autoclavable. Racks have a fully sealed bottom and hinged lids for easy, one handed access. Sterile universal tips are guaranteed sterile until the package is open. These sterile tips can be used for any medical or clinical application. The hinged rack available with the universal pipette tips (200 μ l) also offers the option to reuse the rack thus helping to reduce the amount of solid waste generated by the laboratory. Empty racks can be refitted with racked inserts that are pre-loaded with tips. We also offer a 24 hole centrifuge tube rack designed for 1.5 to 1.9ml micro centrifuge tubes that conveniently fit into the hinged box.

For use with Oxford BenchMate, Rainin Pipetman, Eppendorf, Titertek, Wheaton and Finn pipette.

Volume	Tip Color	Packing Description	Code
1-200 μ l	Yellow	1000 bulk	-110
1-200 μ l	Yellow	960 in 10 hinged racks of 96	-111
1-200 μ l	Yellow	960 in 10 racked inserts of 96	-112
1-200 μ l	Natural	960 Pyrogen Free/Trace Metal Certified in 10 hinged racks of 96	-113
1-200 μ l	Yellow	960 Calibrated in 10 hinged racks of 96	-114
1-200 μ l	Yellow	1000 Calibrated bulk	-115
201-1000 μ l	Blue	1000 bulk	-116
210-1000 μ l	Blue	1000 in 10 hinged racks of 100	-117

For use with Oxford BenchMate, UltraMicro and Eppendorf UltraMicro.

Micro Pipetters

5-10 μ l	Natural	1000 bulk	-118
5-10 μ l	Natural	1000 in 10 hinged racks of 100	-119

Micro Centrifuge Rack

Natural	Micro Centrifuge Tube Racks (10 racks/box)	-120
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QP-3080 OXFORD MODEL 5200 ADJUSTABLE VOLUME DISPENSER

A few quick turns of the calibrated plunger assembly on the model 5200 adjustable volume dispenser, and the unit is ready to dispense the selected volume over and over again, with precision and accuracy. Employing a micrometer type adjustment for volume selection, the Oxford Adjustable Dispenser has elevated bottle based pipetting to a new level of reproducibility. Quick stop selection of the smallest volume increments is easily accomplished. Through the use of various adapters these dispensers can be used on a variety of laboratory reagent containers, including metal cans and jugs.

Features:

- 0.5% precision at 1 S.D.
- + or - 1% F.S. accuracy
- Compatibility with most reagents (platinum-iridium valve spring, ceramic ball valves, borosilicate glass plunger, fluoro-carbon plastic)
- Micrometer type volume adjustment
- Easy to operate spring loaded plunger
- Built in air filtration system designed to retard particular matter
- Unbreakable, flexible teflon delivery tip
- Spring loaded ball valve permits tilted bottle operation
- No O rings for increased chemical resistance
- Each instrument includes a standard 16oz. bottle with 28mm thread

Item	Adjustable Working Range	Increments	Code
	0.2-0.8ml	0.005ml	-110
	0.8-3.0ml	0.02ml	-111
	3.0-10.0ml	0.05ml	-112

Accessories

Description	Size	Packaging	Code
Adapter	20mm	6/Case	-113
Adapter	22mm	6/Case	-114
Adapter	24mm	6/Case	-115
Adapter	25mm	6/Case	-116
Adapter	32mm	6/Case	-117
Adapter	33mm	6/Case	-118
Adapter	38mm	6/Case	-119
Adapter	45mm	6/Case	-120

