



## 2000 BOTTLE, REAGENT, ⌘ STOPPER, MICRO

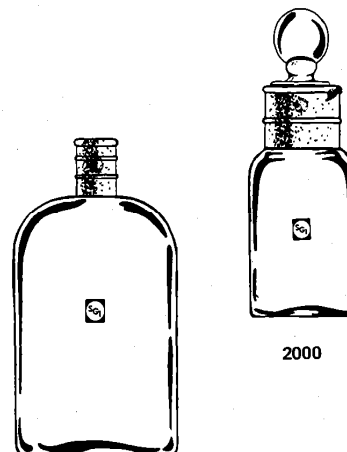
Micro reagent bottle with ⌘ penny head stopper.

Size	A	B	C	D
Capacity ml.	5	10	15	30
⌘ Stopper	9	9	13	16

## 2010 BOTTLE

Single neck bottle made of heavy glass, with ⌘ outer joint or ⌘ socket joint.

Size	Capacity	⌘ Joint	Size	Capacity	⌘ Joint
A	125 ml.	19/38	A-1	125 ml.	35/20
B	250 ml.	24/40	B-1	250 ml.	35/20
C	500 ml.	24/40	C-1	500 ml.	35/20
D	1000 ml.	24/40	D-1	1000 ml.	35/20
E	2000 ml.	29/42	E-1	2000 ml.	35/25
F	4000 ml.	29/42	F-1	4000 ml.	35/25



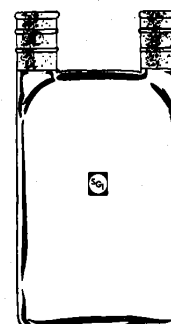
2000

## 2020 BOTTLE, WOLFF

Two neck bottle made of heavy glass, with ⌘ outer joints or ⌘ socket joints.

Size	Capacity	⌘ Joint	Size	Capacity	⌘ Joint
A	125 ml.	19/38	A-1	125 ml.	28/15
B	250 ml.	24/40	B-1	250 ml.	35/20
C	500 ml.	24/40	C-1	500 ml.	35/20
D	1000 ml.	24/40	D-1	1000 ml.	35/20
E	2000 ml.	29/42	E-1	2000 ml.	35/25
F	4000 ml.	29/42	F-1	4000 ml.	35/25

2010

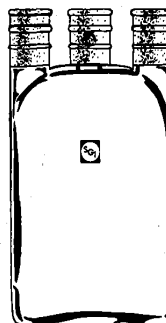


2020

## 2030 BOTTLE, WOLFF

Three neck bottle made of heavy glass, with ⌘ outer joints or ⌘ socket joints.

Size	Capacity	⌘ Joint	Size	Capacity	⌘ Joint
A	125 ml.	19/38	A-1	125 ml.	28/15
B	250 ml.	24/40	B-1	250 ml.	35/20
C	500 ml.	24/40	C-1	500 ml.	35/20
D	1000 ml.	24/40	D-1	1000 ml.	35/20
E	2000 ml.	29/42	E-1	2000 ml.	35/25
F	4000 ml.	29/42	F-1	4000 ml.	35/25

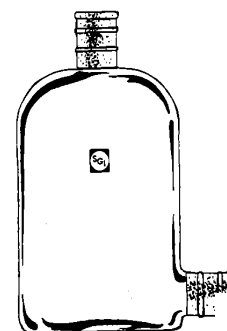


2030

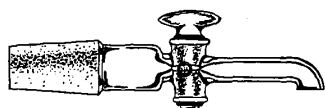
## 2040 BOTTLE

Single neck bottle made of heavy glass, with ⌘ outer joints or ⌘ socket joints at top and bottom.

Size	Capacity	⌘ Joint	Size	Capacity	⌘ Joint
A	125 ml.	19/38	A-1	125 ml.	28/15
B	250 ml.	24/40	B-1	250 ml.	35/20
C	500 ml.	24/40	C-1	500 ml.	35/20
D	1000 ml.	24/40	D-1	1000 ml.	35/20
E	2000 ml.	29/42	E-1	2000 ml.	35/25
F	4000 ml.	29/42	F-1	4000 ml.	35/25



2040



2050  
2051

## 2050 BOTTLE STOPCOCK, GLASS

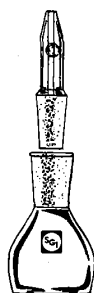
Used as an outlet on bottles having ⌘ outer joints or ⌘ socket joints at bottom. With ⌘ inner joint or ⌘ socket joint and ⌘ stopcock.

⌘ Joint	Stopcock Bore, mm.	Code	⌘ Joint	Stopcock Bore, mm.	Code
19/38	2	A	28/15	2	A-1
24/40	4	B	35/20	4	B-1
29/42	6	C	35/25	6	C-1

## 2051 BOTTLE STOPCOCK, TEFLON®



2060



2070

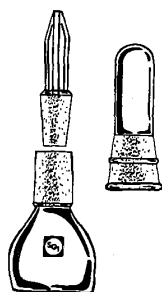
## 2060 BOTTLE, SPECIFIC GRAVITY, BINGHAM

Bingham type pycnometer with capillary neck and 25 ml. bulb. Used for density determinations of pure hydrocarbons or petroleum distillates boiling between 194° and 230°F (90° and 110°C). ⌘ 7/15 stopper. Ref: ASTM D 1217

## 2070 BOTTLE, SPECIFIC GRAVITY

Unadjusted Gay-Lussac bottle with ⌘ stopper. Stoppers are interchangeable. Sizes 5 ml. to 50 ml. have ⌘ 10/18 stopper. The 100 ml. size has a ⌘ 12/18 stopper.

Capacity	5 ml.	10 ml.	25 ml.	50 ml.	100 ml.
Code	A	B	C	D	E

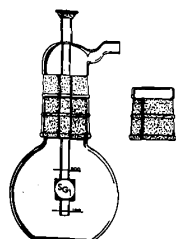


2071

## 2071 BOTTLE, SPECIFIC GRAVITY

Unadjusted Gay-Lussac bottle with ⌘ stopper. Similar to 2070 except the flask joint is an Inner Joint to facilitate use of covering cap.

Capacity	5 ml.	10 ml.	25 ml.	50 ml.	100 ml.
Code	A	B	C	D	E



2072

## 2072 BOTTLE, WEIGHING 250 ml. CAPACITY

250 ml. capacity weighing bottle with flat bottom for stability in balance. ⌘ Joint on bottle is 29/26, ⌘ 29/42 inlet adapter ⌘ 12/5 socket joint on inlet tube. Cover cap is ⌘ 29/26.

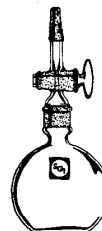
Code	Description
A	Bottle, 250 ml.
B	Inlet Adapter
C	Cover Cap
D	Complete



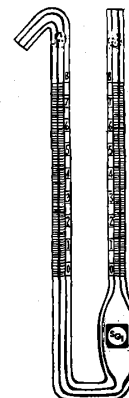
## 2073 BOTTLE, EQUILIBRATION †

For the equilibration of distillate collected in distilling procedure for the test for Deuterium Oxide in heavy water. Capacity of flask is 25 ml. Joints are  $\text{ㄩ}$  14/20 and  $\text{ㄩ}$  10/30. Stopcock is  $\text{ㄩ}$  2mm.

Description	Part
Bottle, 25 ml.	A
Adapter	B
Complete	C



2073



2080

## 2080 BOTTLE, SPECIFIC GRAVITY, PYCNOMETER

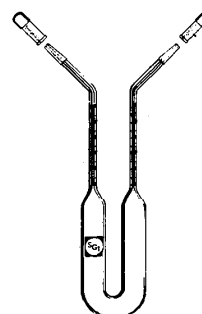
Pycnometer tube for measuring the density of volatile liquids. Each arm graduated from 0 to 8 cm. in 1 mm. subdivisions. Ref: Industrial & Engineering Chemistry, Analytical Edition, 16: 1, 55 (1944); also ASTM D 941.

Bulb Capacity, ml.	1/4	1	3	5
Code	A	B	C	D

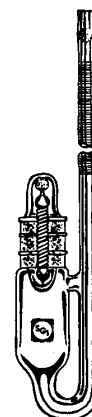
## 2081 BOTTLE, SPECIFIC GRAVITY, ROBERTSON

Described in Industrial and Engineering Chemistry, Analytical Edition, Vol. 11, p. 464 (1939). Capacity of body is 20 to 25 ml., capacity of calibrated arms is 0.05 ml. Graduated in 0.001 ml. divisions. Joints are  $\text{ㄩ}$  7/15.

Code	Description
A	Bottle
B	$\text{ㄩ}$ 7/15 cover caps
C	$\text{ㄩ}$ 7/15 Fill Tube
D	Complete



2081



2090

## 2090 BOTTLE, SPECIFIC GRAVITY, DILATOMETER

For the determination of solid fat index empirically, as described in A.O.C.S. Method Cd. 10-57. Stem made from precision bore tubing and graduated from 0 to 1.400 ml. in 0.005 ml. increments with an overall accuracy of  $\pm$  0.005 ml. Joint is  $\text{ㄩ}$  14/20 with hooks and springs.

## 2100 BOTTLE, SULFONATION, $\text{ㄩ}$ STOPPER

Used in the Standard Method of test for Olefinic plus Aromatic Hydrocarbons in Petroleum Distillates (ASTM D 1019) and in the test for compliance with Standard Specifications for Stoddard Solvent (ASTM D 484). Bottle capacity 45 ml.; Stopper  $\text{ㄩ}$  13.

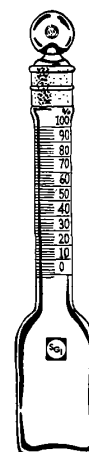
## 2101 BOTTLE, REISCHAUER, PYCNOMETER, 100 ml.

Size MM. I.D. Neck	Size
4.0-4.6 mm	A
6.0-6.5 mm	B

## 2102 BOTTLE, PYCNOMETER

Precision Pycnometer for preparation and weighing of sample to be distilled in the test for Deuterium Oxide in heavy water. Joint is  $\text{ㄩ}$  7/15, capacity is 25 ml. Stoppers are not interchangeable as their weights empty are within 2% of each other.

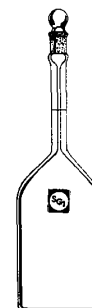
Ref.: ASTM D2184-63T.



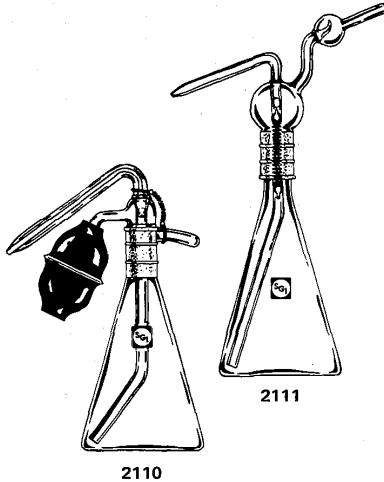
2100



2101



2102



### 2110 BOTTLE, WASH

Eby type washbottle, with  $\text{F}$  24/40 joints. The solid glass horn on outer joint serves as a hook for spring and prevents separation of joints.

Capacity, ml.	125	250	500	1000
Code	A	B	C	D

### 2111 BOTTLE, WASH

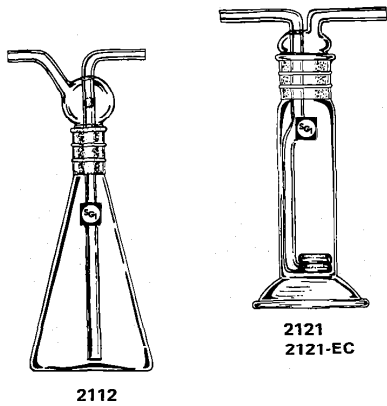
Erlenmeyer shaped washbottle, with  $\text{F}$  24/40 joints, trap, hooks and springs.

Capacity, ml.	125	250	500	1000
Code	A	B	C	D

### 2112 BOTTLE, WASH

Similar to 2111 except without moisture trap and has Outer Joint on flask, without springs.

Capacity, ml.	125	250	500	1000
Code	A	B	C	D



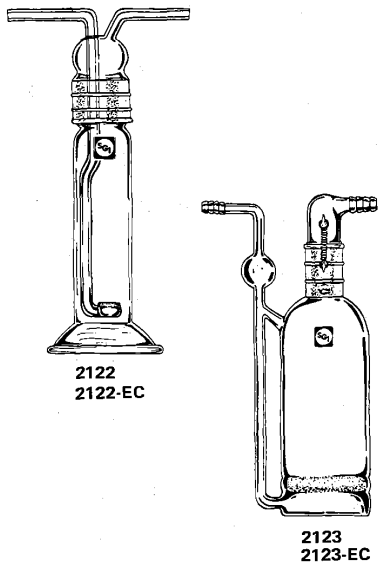
### 2121 GAS WASHING BOTTLE

With fritted disc of coarse porosity attached to bottom on inlet tube.

Code	Capacity ml.	
A	125	40/50
B	250	40/50
C	500	40/50

### 2121-EC GAS WASHING BOTTLE

Same as above but with extra coarse porosity disc, permitting use lower gas pressure. When ordering please specify code number from above table.



### 2122 GAS WASHING BOTTLE

Similar to above but with cap type or outer  $\text{F}$  stopper. Coarse porosity disc.

Code	Capacity ml.	$\text{F}$
A	125	40/50
B	250	40/50
C	500	40/50

### 2122-EC GAS WASHING BOTTLE

Same as above but with extra coarse disc. When ordering specify from above table.

### 2123 BOTTLE, GAS WASHING

Large diameter fritted disc will handle a large volume of gas. Coarse porosity. Ref.: ASTM 1605; Test Method 143A, Standard Methods for the Examination of Water and Waste Waters, 13th Ed., 1971 A.P.H.A. \* A.W.W.A. \* W.P.C.F. Complete with hooks and springs.

Code	Capacity ml.	$\text{F}$
A	125	29/42
B	250	29/42
C	500	29/42
D	1000	34/45

### 2123-EC GAS WASHING BOTTLE

Same as above but with extra coarse disc. When ordering specify from above table.

## 2124 GAS WASHING BOTTLE

With fritted disc of coarse porosity attached to the bottom of the inlet tube. Complete with hooks and springs.

Code	Capacity ml.	⌘
A	125	24/40
B	250	24/40
C	500	24/40

## 2124-EC GAS WASHING BOTTLE

Same as above but with extra coarse disc. When ordering specify from above table.

## 2125 GAS WASHING BOTTLE

Inlet and Outlet sealed into ⌘ Outer stopper. Complete with hooks and springs.

Code	Capacity ml.	⌘
A	250	24/40
B	500	24/40
C	1000	29/42
D	2000	29/42

## 2126 GAS WASHING BOTTLE

Dreschel, tall form, with ⌘ Outer stopper. Complete with hooks and springs.

Code	Capacity ml.	⌘
A	125	29/42
B	250	29/42
C	500	29/42

## 2127 GAS WASHING BOTTLE

With stopcocks on inlet and outlet tubes. Complete with hooks and springs.

Code	Capacity ml.	⌘
A	250	24/40
B	500	24/40
C	1000	29/42

## 2128 GAS WASHING BOTTLE

With fritted cylinder of coarse porosity at the end of the dispersion tube. ⌘ 18/9 ball and socket joints on inlet and outlet. Complete with hooks and springs.

Code	Capacity ml.	⌘ Joint
A	125	29/42
B	250	29/42
C	500	29/42

## 2128-EC GAS WASHING BOTTLE

Same as above but with extra coarse porosity. When ordering please specify code number from above table.

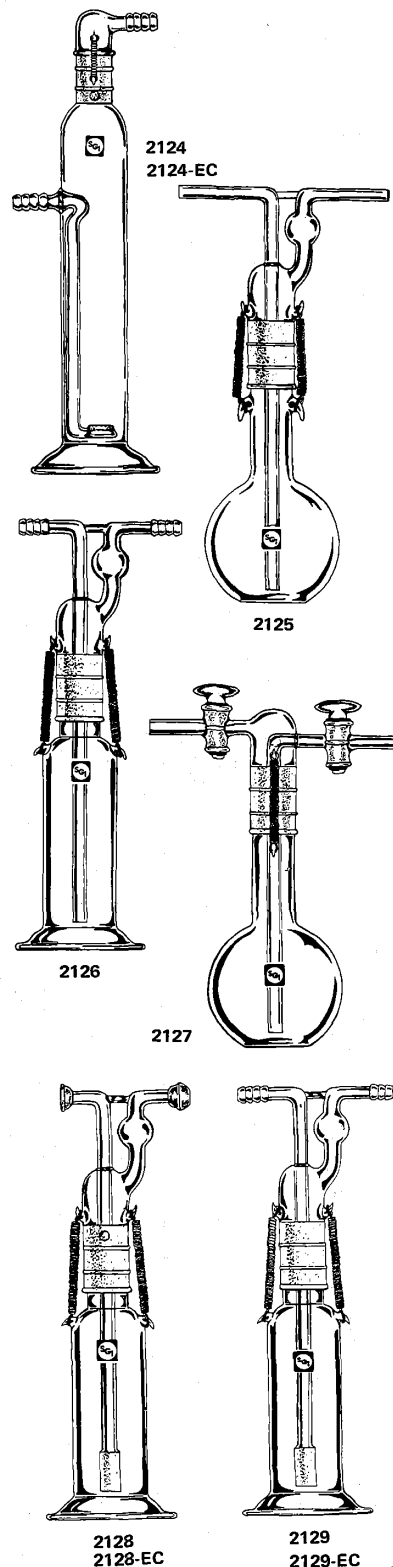
## 2129 GAS WASHING BOTTLE.

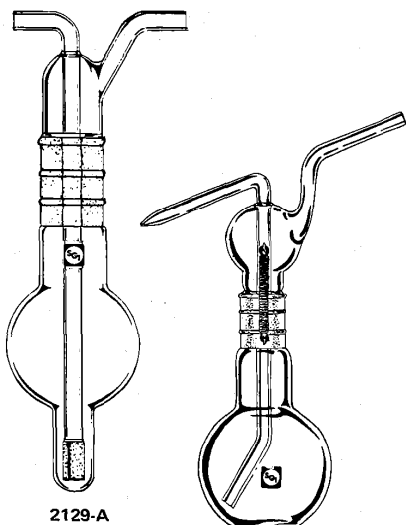
Same as 2128 except without ⌘ 18/9 joints.

Code	Capacity ml.	⌘ Joint
A	125	29/42
B	250	29/42
C	500	29/42

## 2129-EC GAS WASHING BOTTLE

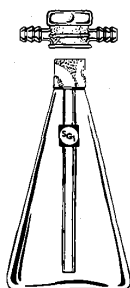
Same as above except with extra coarse porosity. When ordering, please specify code number from above table.





2129-A

2130



2131



2133



2134



2135

### 2129-A BUBBLER, MIDGET, GAS

Midget Gas Bubbler used in the sampling atmospheres for analysis of gases and vapors. Capacity of bulb, 100 ml. Joint is 29/42  $\text{J}$ . Fritted glass cylinder is coarse porosity.

Description	Part
Body, 100 ml.	A
Inlet Stopper, $\text{J}$ 29/42	B
Complete	C

### 2129-B GAS WASHING BOTTLE, MIDGET, $\text{J}$

Similar to 2129-A except with  $\text{J}$  12/5 or  $\text{J}$  18/9 socket joints on the inlet and outlet tubes. Not illustrated.

Code No.	
$\text{J}$ 12/5	$\text{J}$ 18/9
A-12	A-18
B-12	B-18

### 2130 BOTTLE, WASH

Flask shaped wash bottle, with  $\text{J}$  24/40 joints.

Capacity, ml.	125	250	500	1000
Code	A	B	C	D

### 2131 BOTTLE, ABSORPTION, TURNER

With stopper ground externally on a wide neck, permitting even distribution of the absorbant. The stopper acts as a valve in opening and closing The Gas Stream. Ref.: Industrial & Engineering Chemistry, Analytical Edition, Vol. 3 No. 1, January 15, 1931, Page 63.  $\text{J}$  29/26 joints.

Capacity ml.	125	250	500	1000
Code	A	B	C	D

### 2133 BOTTLE, SAMPLING, ATMOSPHERE †

Used in sampling atmospheres for analysis of gases and vapors. Capacity 100  $\text{J}$  Joint 24/40.

Ref.: ASTM D1605

Description	Part
Bottle, 100 ml.	A
Inlet Stopper 24/40	B
Complete	C

### 2134 BOTTLE, SAMPLING, ATMOSPHERE †

Same as 2133 except gas dispersion tube has ten 1mm holes in bulb for better absorbance properties. Capacity 100 ml.,  $\text{J}$  24/40 Joint.

Ref.: ASTM D1605.

Description	Part
Bottle, 100 ml.	A
Inlet Stopper $\text{J}$ 24/40	B
Complete	C

### 2135 BOTTLE, SAMPLING, ATMOSPHERE †

Same as 2133 except with 1 mm I.D. capillary tip similar to Impingers.  $\text{J}$  24/40, 100 ml. Capacity.

Ref.: ASTM D1605.

Description	Part
Bottle, 100 ml.	A
Inlet Stopper, $\text{J}$ 24/40	B
Complete	C



## 2136 BOTTLE, SAMPLING, ATMOSPHERE †

Impinger type absorption bottle. Rubber stopper allows placement of tip at different levels from the bottom of the bottle. Capacity 100 ml.

Ref.: ASTM D1605.

Description	Part
Bottle, 100 ml.	A
Inlet Stopper	B
Complete	C



2136



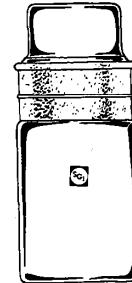
2137

## 2137 BOTTLE, SAMPLING, ATMOSPHERE †

Bubbler type absorbing bottle with extra coarse glass fritted diffuser for maximum absorbance. Capacity 100 ml.,  $\text{F}$  24/40 Joint.

Ref.: ASTM D1605.

Description	Part
Bottle, 100 ml.	A
Inlet Stopper, $\text{F}$ 24/40	B
Complete	C



2140

## 2140 BOTTLE, WEIGHING

Cylindrically shaped tall form weighing bottle with  $\text{F}$  stopper. Dimensions are approximate. Heights given are exclusive of stoppers.

Code	Inside		
	Dia., mm.	Height mm.	$\text{F}$ Joint
A	15	50	14/10
A1	15	80	14/10
B	25	40	24/12
B1	25	50	24/12
C	30	60	29/12
D	40	50	40/12
D1	40	80	40/12



2141

## 2141 BOTTLE, WEIGHING, PYCNOMETER †

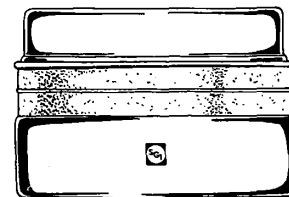
Cylindrically shaped Pycnometer for determining the specific gravity of industrial water and industrial waste water. Capacity between 24 and 30 ml. Maximum weight 40 grams. Stoppers are not interchangeable.  $\text{F}$  24/12.

Ref.: ASTM D1429.

## 2150 BOTTLE, WEIGHING

Cylindrically shaped low form weighing bottle with  $\text{F}$  stopper. Dimensions are approximate. Heights given are exclusive of stoppers.

Code	Inside		
	Dia., mm.	Height mm.	$\text{F}$ Joint
E	50	30	50/12
F	60	30	60/12
G	70	33	71/75



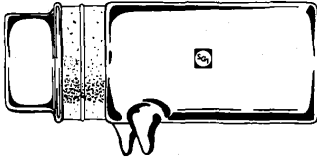
2150

## 2151 BOTTLE, WEIGHING, PYCNOMETER †

Conical shaped Pycnometer similar to 2141 except shorter in length for use in balances with short head spaces. Capacity 24 to 30 ml. Maximum weight 40 gms.  $\text{F}$  24/12 stoppers are not interchangeable.



2151



2160

### 2160 BOTTLE, WEIGHING, PIG

Cylindrically shaped weighing bottle with  $\text{K}$  stopper and prongs to prevent rolling. Dimensions are approximate. Heights given are exclusive of stoppers.

Code	Inside Dia., mm.	Height mm.	$\text{K}$ Joint
A	15	50	14/10
B	25	50	24/12
C	30	60	29/12
D	40	80	40/12

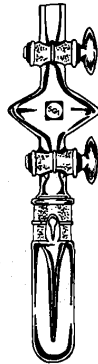


2170

### 2170 BOTTLE, WEIGHING, GRETHEN

Grethen type weighing bottle, with small stopcock and vented  $\text{K}$  joint for weighing corrosive liquids. Parts not interchangeable.

Capacity ml.	Stopcock Bore	$\text{K}$ Joint
15	1 mm.	14/20

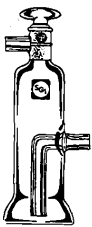


2180

### 2180 BOTTLE, WEIGHING, LUNGE

Lunge type weighing bottle, with small stopcock and vented  $\text{K}$  joint for weighing corrosive liquids. Parts not interchangeable.

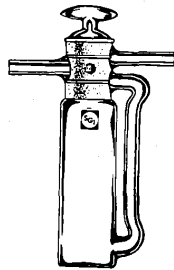
Capacity ml.	Stopcock Bore	$\text{K}$ Joint
15	1 mm.	14/20



2190

### 2190 BULB, MIDVALE

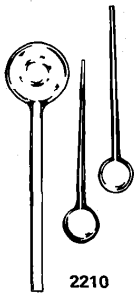
Midvale type absorption bulb, with  $\text{K}$  14/20 stopper. Modified according to Stetser-Norton. Height, 140 mm. Parts not interchangeable.



2200

### 2200 BULB, NESBITT

Nesbitt type absorption bulb, with  $\text{K}$  24/40 stopper. For  $\text{CO}_2$  absorption in carbon determinations. Height, 165 mm. Parts not interchangeable.



2210

### 2210 BULB, WEIGHING

Code	Analysis or Acid Bulb. Diameter
A	1/2"
B	5/8"
C	3/4"

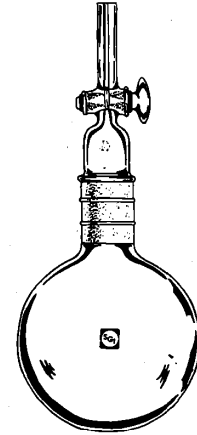




## 2220 BULB, GAILLARD

Gaillard type bulb, with 500 ml. capacity flask connected by  $\text{F}$  24/40 joints to adapter with 2 mm. straight bore capillary stopcock.

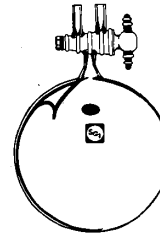
Code	Description
A	Flask Stopcock
B	Flask
C	Complete



2220

## 2221 BULB, GAILLARD

Modified Gaillard Bulb consisting of a 1000 ml. capacity flask with 2 mm. Teflon three-way stopcock. The stopcock is short sealed onto the flask to decrease breakage.



2221

## 2230 BOTTLE, SAMPLE, PRESSURE, 100 ml.

For samples taken at 50 lbs/sq. in. or less. Bottle weighs less than 100 grams for use in small Laboratory Balances. Uses Crown Pressure type caps.



2230

## 2231 BOTTLE, SAMPLE, PRESSURE, 100 ml.

Same as 2230 except rounded bottom for more extreme pressures.



2231

## 2250 BUBBLER, RADON.

Designed for the volatilization and scintillation counting of Radon 222 produced from Radium 226. Medium porosity disc and  $\text{F}$  19/38 Joints with  $\text{F}$  2mm Stopcocks.

Description	Part
Bubbler Body	A
Adapter	B
Complete	C



2250