

Flow Meters

13700 FLOWMETER, GAS, 100 ml.

This graduated tube is ideal for measuring the flow rate of Carrier Gases on Chromatographs. The tube is graduated from 0 to 1 ml, 1 to 10 ml., and 10 ml. to 100 ml. Soap suds are introduced through the side arm at the bottom and the time of ascent for a bubble rising between the calibration marks gives an accurate flow rate measurement.

13701 FLOWMETER, GAS, 100 ml.

Identical to 13700, except with a stopper in the top end. The Stopper is fitted with a piece of pipe cleaner to break the bubble.

13702 FLOWMETER, GAS, 50 ml.

Similar to 13701, except 50 ml. capacity and the tube is straight rather than having an enlarged section.

13710 FLOWMETER, MINIATURE *

For use in ambient air sampling, to prevent contamination from sulphur-bearing gases. All glass and Teflon flowmeter calibrated 50–500 cc/minute $\pm 2\%$.

13740 GAS FLOW CALIBRATION KIT *

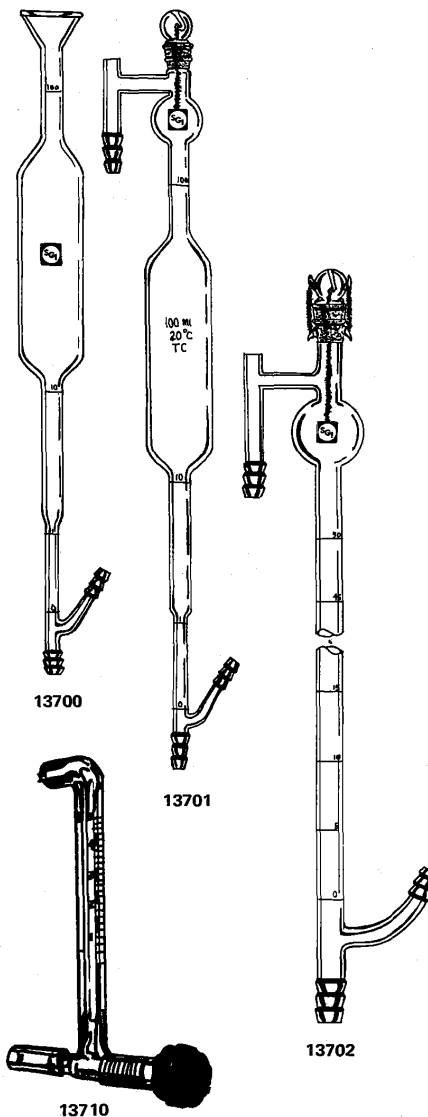
The SGI Gas Flow Calibration Kit is a complete, compact unit for laboratory or on-site calibration of gas-type flowmeters. The calibrated flowmeters, aneroid barometer, thermometer, stopwatch, soap film solution, and necessary accessories are provided.

Principles of operation are the volume displacement method, where a thin liquid soap film rises in a calibrated standard. It is suitable for use with gases which are not hazardous or which do not react with glass or water.

The three calibrated standards, calibrated to 10 ml., 100 ml., and 1000 ml., are each divided into ten equal parts. This division allows the user to calibrate over the range of 0.1 cc/min. to 2000 cc/min. flows.

An N.B.S. Traceability Certificate is included in the Instruction Manual, and is applicable to the three calibrated standards. The commercial grade aneroid barometer, thermometer, and stopwatch are normally adequate for precise volume displacement techniques of calibration.

All glassware parts are interchangeable.



Funnels

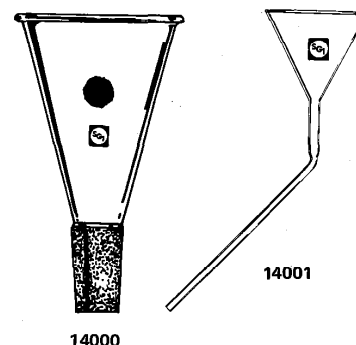
14000 FUNNEL, FILLING, POWDER

Filling funnel with F inner joint or J ball joint. Used for adding powders or liquids to flasks and other containers.

Size.	Top Dia. mm.	F Joint	Size	Top Dia. mm.	J Joint
A	65	19/38	J	65	28/15
B	75	24/40	K	75	35/20
C	100	29/42	L	100	35/25
D	125	34/45	M	125	40/25

14001 FUNNEL, VISCOSITY

Used to measure time flow required for material to pass through funnel. Capacity 600 ml.



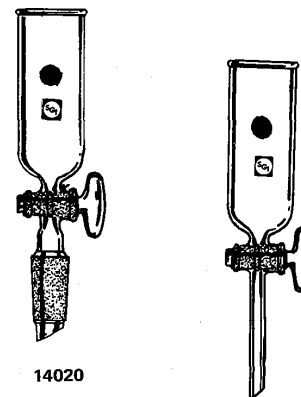
14000

14001

14010 FUNNEL, FILLING

Cylindrical filling funnel with open top, F stopcock and long delivery stem.

Code	Capacity, ml.	F Stopcock
A	60	2
B	125	2
C	250	3



14020

14010

14020 FUNNEL, FILLING

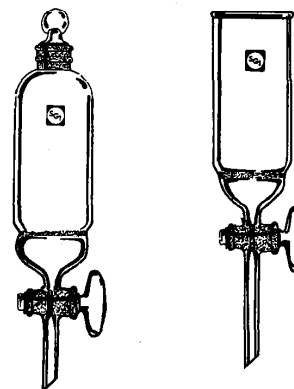
Cylindrical filling funnel with open top, F stopcock and F drip joint at bottom.

Code	Capacity, ml.	F Stopcock	F Joint
A	60	2	24/40
B	125	2	24/40
C	250	3	24/40

14030 FUNNEL, FILTER

Cylindrical filter funnel with open top, fritted disc, F stopcock and long delivery stem. When ordering, please specify extra coarse (EC), coarse (C), medium (M), or fine (F) porosity. Prices independent of porosity.

Code	Capacity, ml.	F Stopcock
A	60	2
B	125	2
C	250	3



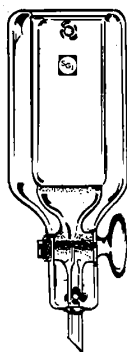
14040

14030

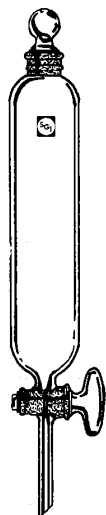
14040 FUNNEL, FILTER

Cylindrical filter funnel with F stoppered top, fritted disc, F stopcock and long delivery stem. When ordering, please specify extra coarse (EC), coarse (C), medium (M), or fine (F) porosity. Prices independent of porosity.

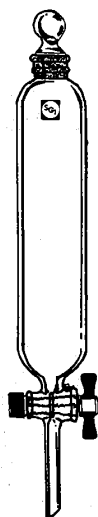
Code	Capacity ml.	F Stopcock	F Stopper
A	60	2	16
B	125	2	22
C	250	3	22



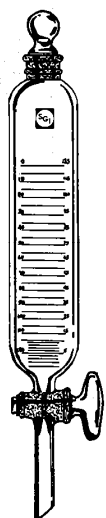
14080



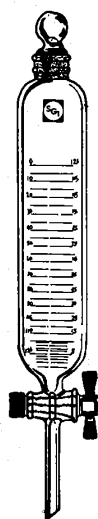
14090



14091



14100



14101

14080 FUNNEL, FILTER, JACKETED, WITH STOPCOCK

Designed to give maximum heating or cooling over a large area and maintain the same temperature through the stopcock while draining the filtered liquid or gas in control quantities.

Code	Capacity ml.	Disc. Diameter mm.	Stopcock
A	60	40	2
B	125	60	2
C	250	80	4
D	500	90	6

14090 FUNNEL, SEPARATORY, CYLINDRICAL

Cylindrical separatory funnel with stopcock.

Code	Capacity ml.	Stopcock	Stopper
A	60	2	16
B	125	2	22
C	250	3	22
D	500	4	27
E	1000	4	27
F	2000	6	27
G	3000	8	38
H	5000	8	38

14091 FUNNEL, SEPARATORY, CYLINDRICAL, TEFLON

Similar to 14090, except with Teflon stopcock.

Code	Capacity ml.	Stopcock	Stopper
A	60	2A	16
B	125	2A	22
C	250	3A	22
D	500	3A	27
E	1000	4	27
F	2000	4	27

14100 FUNNEL, SEPARATORY, CYLINDRICAL

Cylindrical-graduated addition type separatory funnel, graduated to stopcock and numbered both up and down, with stopper.

Code	Capacity ml.	Subdivisions, ml.	Stopcock	Stopper
A	125	1	2	22
B	250	5	3	22
C	500	5	4	27
D	1000	10	4	27
E	2000	20	6	27

14101 FUNNEL, SEPARATORY, CYLINDRICAL, TEFLON

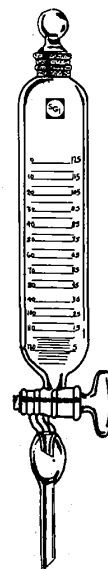
Similar to 14100, except with Teflon stopcock.

Code	Capacity ml.	Subdivisions, ml.	Stopcock	Stopper
A	125	1	2A	22
B	250	5	3A	22
C	500	5	3A	27
D	1000	10	4	27
E	2000	20	4	27

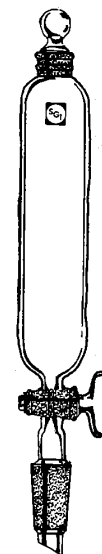
14110 FUNNEL, SEPARATORY, DROPPING

Dropping type cylindrical separatory funnel numbered both up and down, with F stopper, 22060 oblique bore metering stopcock and sealed in dropping tip for accurate control in dispensing single drops.

Code	Capacity ml.	Subdivisions, ml.	F Stopcock	F Stopper
A	125	1	2	22
B	250	5	3	22
C	500	5	4	27
D	1000	10	4	27
E	2000	20	6	27



14110



14120

14120 FUNNEL, SEPARATORY, CYLINDRICAL

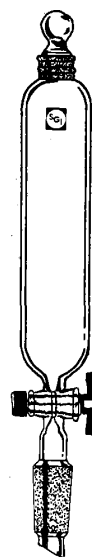
Cylindrical separatory funnel with F stopper, F drip joint and F stopcock.

Code	Capacity ml.	F Joint	F Stopcock	F Stopper
A	60	24/40	2	16
B	125	24/40	2	22
C	250	24/40	3	22
D	500	24/40	4	27
E	1000	29/42	4	27
F	2000	29/42	6	27

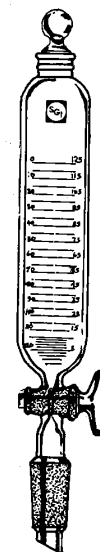
14121 FUNNEL, SEPARATORY, CYLINDRICAL, TEFLON

Similar to 14120, except with Teflon stopcock.

Code	Capacity ml.	F Joint	Stopcock	F Stopper
A	60	24/40	2A	16
B	125	24/40	2A	22
C	250	24/40	3A	22
D	500	24/40	3A	27
E	1000	29/42	4	27
F	2000	29/42	4	27



14121

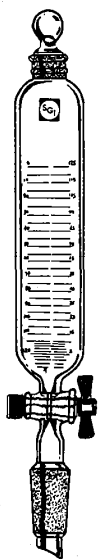


14130

14130 FUNNEL, SEPARATORY, CYLINDRICAL

Cylindrical separatory funnel graduated to F stopcock and numbered both up and down, with F drip joint and F stopper.

Code	Capacity ml.	Subdivisions, ml.	F Joint	F Stopcock	F Stopper
A	60	1	24/40	2	16
B	125	1	24/40	2	22
C	250	5	24/40	3	22
D	500	5	24/40	4	27
E	1000	10	29/42	4	27
F	2000	20	29/42	6	27

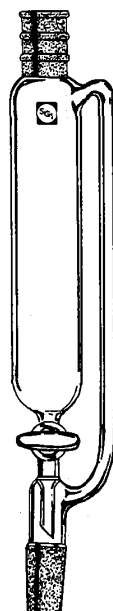


14131

14131 FUNNEL, SEPARATORY, CYLINDRICAL, TEFLON

Similar to 14130, except with Teflon stopcock.

Code	Capacity ml.	Subdivisions, ml.	⌀ Joint	Stopcock	⌀ Stopper
A	60	1	24/40	2A	16
B	125	1	24/40	2A	22
C	250	5	24/40	3A	27
D	500	5	24/40	3A	27
E	1000	10	29/42	4	27
F	2000	20	29/42	4	27

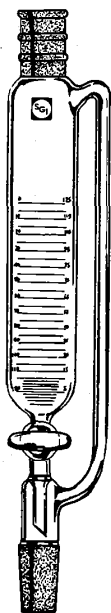


14140

14140 FUNNEL, SEPARATORY, CYLINDRICAL

Cylindrical separatory funnel with pressure equalizing line and ⌀ stopcock. ⌀ outer joint at top and ⌀ drip joint at bottom are the same size.

Code	Capacity ml.	⌀ Joints	⌀ Stopcock
A	60	24/40	2
B	125	24/40	2
C	250	24/40	3
D	500	24/40	4
E	1000	29/42	4
F	2000	29/42	6



14150

14141 FUNNEL, SEPARATORY, CYLINDRICAL, TEFLON

Similar to 14140, except with Teflon stopcock.

Code	Capacity ml.	⌀ Joints	Stopcock
A	60	24/40	2A
B	125	24/40	2A
C	250	24/40	3A
D	500	24/40	3A
E	1000	29/42	4
F	2000	29/42	4

14150 FUNNEL, SEPARATORY, CYLINDRICAL

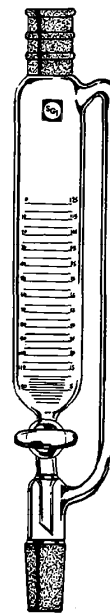
Cylindrical separatory funnel with pressure equalizing line and graduated to ⌀ stopcock; numbered both up and down. ⌀ outer joint at top and ⌀ drip joint at bottom are the same size.

Code	Capacity ml.	Subdivisions, ml.	⌀ Joints	⌀ Stopcock
A	60	1	24/40	2
B	125	1	24/40	2
C	250	5	24/40	3
D	500	5	24/40	4
E	1000	10	29/42	4
F	2000	20	29/42	6

14151 FUNNEL, SEPARATORY, CYLINDRICAL TEFLON

Similar to 14150, except with Teflon stopcock.

Code	Capacity ml.	Subdivisions, ml.	Stoppers, Joints	Stopcock
A	60	1	24/40	2A
B	125	1	24/40	2A
C	250	5	24/40	3A
D	500	5	24/40	3A
E	1000	10	29/42	4
F	2000	20	29/42	4



14151



14170

14170 FUNNEL, SEPARATORY, GLOBE

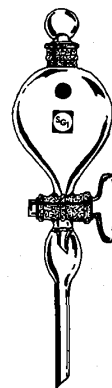
Globe type separatory funnel with stopper, stopcock and long delivery stem.

Code	Capacity ml.	Stopcock	Stopper	Code	Capacity ml.	Stopcock	Stopper
A	30	2	13	G	2000	6	27
B	60	2	16	H	3000	8	38
C	125	2	22	I	5000	8	38
D	250	3	22	J	12000	10	38
E	500	4	27	K	22000	15	50
F	1000	4	27				

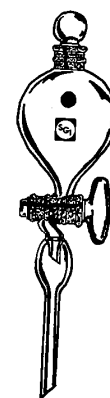
14180 FUNNEL, SEPARATORY, GLOBE

Globe type, separatory funnel with stopper, stopcock and sealed in dropping tip to dispense single drops.

Code	Capacity ml.	Stopcock	Stopper	Code	Capacity ml.	Stopcock	Stopper
A	30	2	13	E	500	4	27
B	60	2	13	F	1000	4	27
C	125	2	22	G	2000	6	27
D	250	2	22				



14180

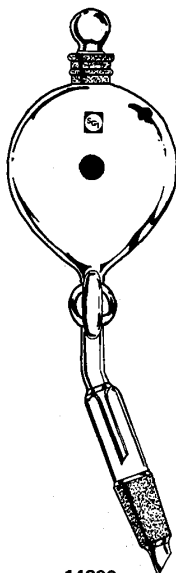


14190

14190 FUNNEL, SEPARATORY, GLOBE

Globe type separatory funnel with stopper, 22060 oblique bore metering stopcock and sealed in dropping tip for accurate control in dispensing single drops.

Code	Capacity ml.	Stopcock	Stopper	Code	Capacity ml.	Stopcock	Stopper
A	30	2	13	E	500	4	27
B	60	2	13	F	1000	4	27
C	125	2	22	G	2000	6	27
D	250	2	22				



14200



14210

14211



14220

14221

14200 FUNNEL, SEPARATORY, GLOBE

Globe type separatory funnel, 500 ml. capacity with 19 stopper, 4 mm. stopcock, 24/40 drip joint at bottom at an angle and sealed in dropping tip to dispense single drops.

14210 FUNNEL, SEPARATORY, SQUIBB

Squibb type separatory funnel with 19 stopper, 4 stopcock and plain delivery stem.

Code	Capacity ml.	19 Stop-cock	4 Stop-per	Code	Capacity ml.	19 Stop-cock	4 Stop per
A	30	2	13	F	1000	4	27
B	60	2	16	G	2000	6	27
C	125	2	22	H	3000	8	38
D	250	3	22	I	6000	8	38
E	500	4	27				

14211 FUNNEL, SEPARATORY, SQUIBB, TEFLON

Similar to 14210, except with Teflon stopcock.

Code	Capacity ml.	19 Stop-cock	4 Stop-per	Code	Capacity ml.	19 Stop-cock	4 Stop-per
A	60	2A	16	D	500	3A	27
B	125	2A	22	E	1000	4	27
C	250	3A	22	F	2000	4	27

14220 FUNNEL, SEPARATORY, SQUIBB

Squibb type separatory funnel with 19 stopper, 4 stopcock and 24 drip joint.

Code	Capacity ml.	19 Joint	4 Stopcock	4 Stopper
A	60	24/40	2	16
B	125	24/40	2	22
C	250	24/40	3	22
D	500	24/40	4	27
E	1000	29/42	4	27
F	2000	29/42	6	27

14221 FUNNEL, SEPARATORY, SQUIBB, TEFLON

Similar to 14220, except with Teflon stopcock.

Code	Capacity ml.	19 Joint	4 Stopcock	4 Stopper
A	60	24/40	2A	16
B	125	24/40	2A	22
C	250	24/40	3A	22
D	500	24/40	3A	27
E	1000	29/42	4	27
F	2000	29/42	4	27

14240 FUNNEL, SEPARATORY, FRENCH

French type separatory funnel with long heavy wall stem, ⌘ stopper and ⌘ stopcock.

Code	Capacity ml.	⌘ Stopcock	⌘ Stopper	Code	Capacity ml.	⌘ Stopcock	⌘ Stopper
A	60	2	16	E	1000	4	27
B	125	2	22	F	2000	6	27
C	250	3	22	G	4000	8	38
D	500	4	27	H	6000	10	38

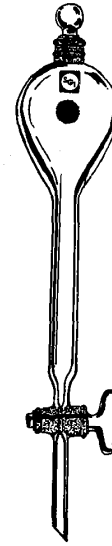
14250 FUNNEL, SEPARATORY, TAR ACID

Barrett type tar acid separatory funnel for use when the percentage of tar acids is relatively high. Graduated from the ⌘ stopcock to 100 ml. in 1 ml. subdivisions; total capacity approximately 200 ml.

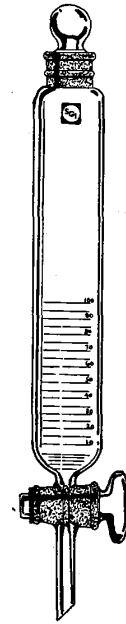
Capacity ml.	⌘ Stopcock	⌘ Stopper
200	4	22

14260 FUNNEL, WEIGHING

Designed for using in laboratory balances for determining volume by weight, 25 mm. x 65 mm.



14240



14250



14260