



10000 DISTILLING RECEIVER & CONDENSER

The complete unit is described in Ind. and Eng. Chemistry, Analytical Edition, Vol. 18, No. 11, page 676, 1946. The unit is used in conjunction with an improved Oldershaw glass bubble plate column and still head as described by Frank C. Collins and Vernon Lantz of Shell Development Company, Emeryville, California.

Code No.	A	B	C	D
Capacity, ml.	50	100	250	500
Subdivision, ml.	1	1	5	5

10010 DISTILLING RECEIVER

Cylinder, graduated, jacketed, with top F or S joint, ASTM D1160. Specify capacity and F or S joint size.

Code No.	Capacity ml.	Divisions ml.	Total Height, mm.
A	50	1.0	260
B	100	1.0	300
C	250	2.0	385
D	500	5.0	420

10011 DISTILLING RECEIVER

Similar to 10010, except with bottom take-off stopcock. Please refer to above table for Code No.

10020 DISTILLING RECEIVER

Straight type distillation receiver graduated from stopcock, with F outer joint or S socket joint at top and stopcock at side for vacuum control.

Code No.	Capacity ml.	Subdivisions, ml.	F Joint	Code No.	Capacity ml.	Subdivisions, ml.	S Joint
A	100	1	24/40	A-1	100	1	35/20
B	100	1	29/42	B-1	100	1	35/25
C	250	2	24/40	C-1	250	2	35/25
D	250	2	29/42	D-1	250	2	50/30

10030 DISTILLING RECEIVER

Straight type distillation receiver graduated from stopcock, with F outer joint or S socket joint at top, F inner drip joint or S drip type ball joint at bottom and stopcock at side for vacuum control.

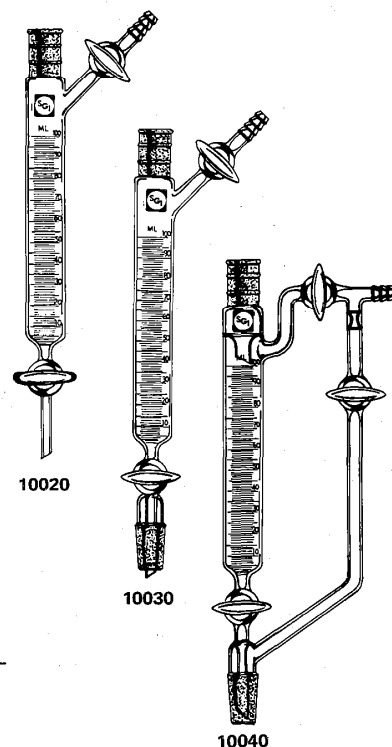
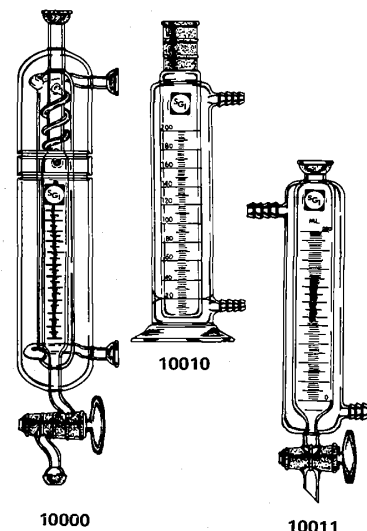
Code No.	Capacity ml.	Subdivisions, ml.	F Joint	Code No.	Capacity ml.	Subdivisions, ml.	S Joint
A	100	1	24/40	A-1	100	1	35/20
B	100	1	29/42	B-1	100	1	35/25
C	250	2	24/40	C-1	250	2	35/25
D	250	2	29/42	D-1	250	2	50/30

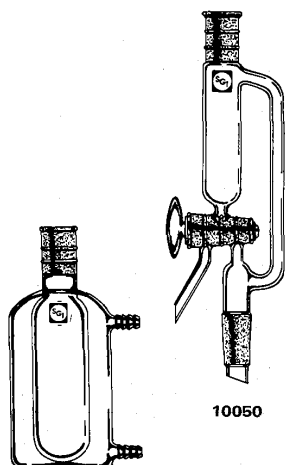
10040 DISTILLING RECEIVER

Straight type distillation receiver similar to 10030, except with stopcock arrangement to permit removal of product without interrupting vacuum distillation.

Code No.	Capacity ml.	Subdivisions, ml.	F Joint	Code No.	Capacity ml.	Subdivisions, ml.	S Joint
A	50	1	24/40	A-1	50	1	35/20
B	100	1	24/40	B-1	100	1	35/25
C	250	2	29/42	C-1	250	2	50/30

Receivers





10050

10050 DISTILLING RECEIVER

Distilling receiver designed to permit withdrawing of samples or pass distillate to receiving flask. Outer $\text{\textcircled{S}}$ joint at top and inner $\text{\textcircled{S}}$ drip joint of the same size at bottom.

Code No.	A	B	C
$\text{\textcircled{S}}$ Joint	19/38	24/40	29/42

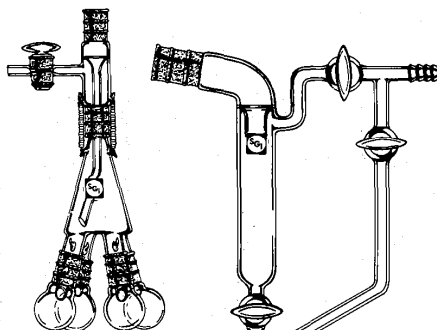
10060



10060 DISTILLING RECEIVER

Jacketed distilling receiver or reaction flask with outer $\text{\textcircled{S}}$ joint at top. Heating or cooling agent may be circulated through jacket.

Code No.	A	B	C
$\text{\textcircled{S}}$ Joint	19/38	24/40	24/40
Capacity ml.	50	125	250



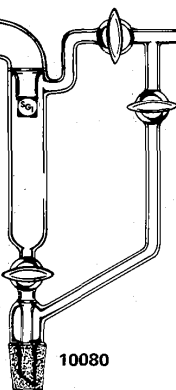
10070

10070 DISTILLING RECEIVER

Revolving type multiple distilling receiver arranged to progressively fill four 50 ml. flasks. Precision stopcock controls vacuum. Select top joint size from table below, all others $\text{\textcircled{S}}$ 24/40. Supplied complete with springs.

Part	Item
A	Adapter, Vacuum
B	Adapter, Distribution
C	Flask, Receiving, 50 ml. (4 req'd)
D	Springs, 1 $\frac{1}{4}$ " per pr. (1 pr. req'd)
E	Springs, $\frac{1}{2}$ " per pr. (4 pr. req'd)
F	Complete

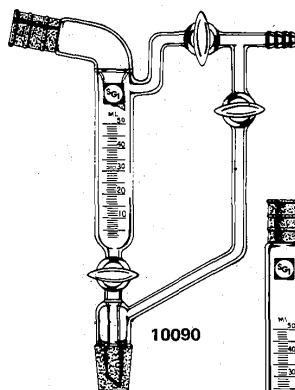
10080



10080 DISTILLING RECEIVER

Distilling receiver with stopcock arrangement to permit removal of product without interrupting vacuum distillation. $\text{\textcircled{S}}$ outer joint or $\text{\textcircled{S}}$ socket joint at top bent at 105° angle and inner $\text{\textcircled{S}}$ drip joint or $\text{\textcircled{S}}$ drip ball joint at bottom.

Code No.	Capacity ml.	$\text{\textcircled{S}}$ Joint	Code No.	Capacity ml.	$\text{\textcircled{S}}$ Joint
A	50	24/40	A-1	50	35/20
B	50	29/42	B-1	50	35/25



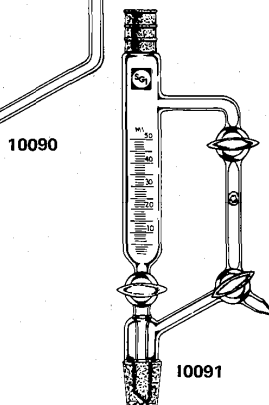
10090

10090 DISTILLING RECEIVER

Distilling receiver similar to 10080, except graduated.

Code No.	Capacity ml.	Subdivisions, ml.	$\text{\textcircled{S}}$ Joint	Code No.	Capacity ml.	Subdivisions, ml.	$\text{\textcircled{S}}$ Joint
A	50	1	24/40	A-1	50	1	35/20
B	50	1	29/42	B-1	50	1	35/25
C	100	1	24/40	C-1	100	1	35/20
D	100	1	29/42	D-1	100	1	35/25
E	250	5	24/40	E-1	250	5	35/25
F	250	5	29/42	F-1	250	5	50/30

10091



10091 DISTILLING RECEIVER

Similar to 10090 except for straight upper joint and a sample take-off stopcock on the vacuum manifold. Please refer to above table for Code Nos. and specifications.



10100 DISTILLING RECEIVER

Distilling receiver similar to 10090, except completely water jacketed and furnished with spring loaded distillate stopcock.

Capacity ml.	Subdivi- sions, ml.
50	1

10120 DISTILLING RECEIVER

Revolving type multiple distilling receiver arranged to progressively fill four 50 ml. flasks. Top J outer joint at 105° angle. Select top joint from table below, all others J 24/40. Supplied complete with springs.

Part	Item
A	Adapter, Vacuum
B	Adapter, Distribution
C	Flask, Receiving, 50 ml. (4 req'd)
D	Springs, $1\frac{1}{4}$ ", per pr. (1 pr. req'd)
E	Springs, $\frac{1}{2}$ ", per pr. (4 pr. req'd)
F	Complete

10180 DISTILLING RECEIVER

Similar to 10100, inner tube is graduated. With vacuum manifold for removal of sample during operation without disturbing the system. All three capacities listed below are supplied with either J 24/40 or SG1 standard spherical J 35/20. Specify joint size and capacity when ordering.

Code No.	A	B	C
Capacity, ml.	50	100	250
Subdivision, ml.	1	1	5

10190 DISTILLING RECEIVER

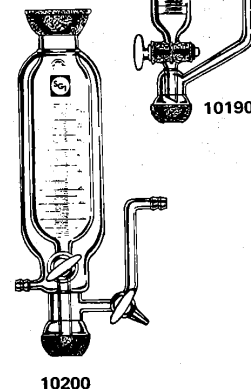
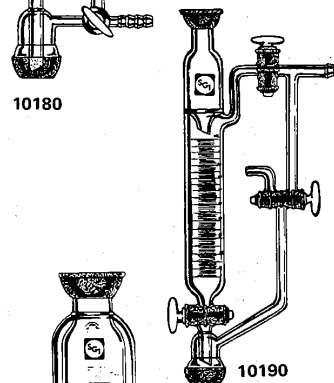
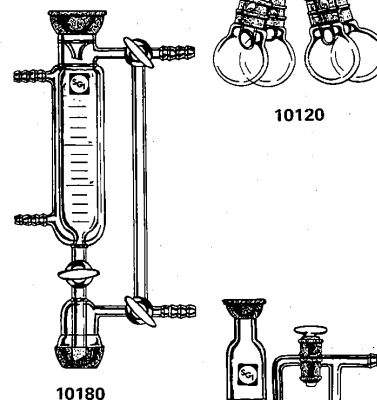
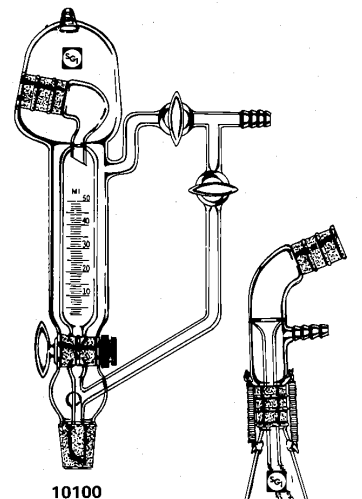
Similar to our 10090, with manifold except top joint is straight instead of at an angle. Constructed of heavy wall tubing throughout to guarantee long service under vacuum conditions. Can also be supplied ungraduated. Specify capacity and joint size when ordering.

Code No.	A	B	C
Capacity, ml.	50	100	250
Subdivisions, ml.	1	1	5
J Joint	24/40	24/40	24/40
J Joint	35/25	35/25	35/25

10200 DISTILLING RECEIVER, REFLUX

This unique design in Distilling Receivers offers adaptations to Low Pressure, Atmospheric or Nitrogen Bleed for draining product into a primary receiver without upsetting the equilibrium of the unit. The stopcock is a J 4 mm. Straight Bore. The vacuum line stopcock is J 2 mm., 120° Bore. Unit can be supplied in either J or J Joints. Please specify when ordering.

Part	Capacity, ml.	J Joint	J Joint
A	50 ml.	24/40	35/25
B	100 ml.	24/40	35/25
C	250 ml.	24/40	35/25



10200