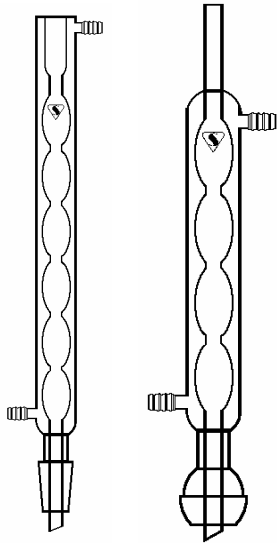
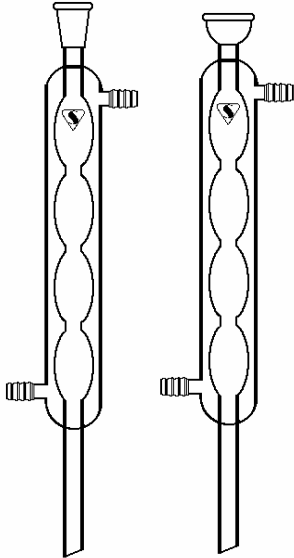


# CONDENSERS



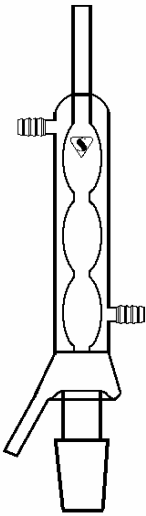
**04-1000: ALLIHN CONDENSER** – Allihn style reflux condenser with a plain tabulation at the top and a lower inner drip tip joint.  $\text{S}$  or  $\text{F}$  ball joint at bottom.

Code #	Jacket Length mm	Joint $\text{S}$	Code #	Jacket Length mm	Joint $\text{F}$
01	100	24/40	15	100	28/15
02	100	29/42	16	100	35/25
03	200	24/40	17	200	28/15
04	200	29/42	18	200	35/25
05	250	24/40	19	250	35/20
06	250	29/42	20	250	35/25
07	300	24/40	21	300	35/20
08	300	29/42	22	300	35/25
09	400	24/40	23	400	35/20
10	400	29/42	24	400	35/25
11	500	24/40	25	500	35/20
12	500	29/42	26	500	35/25
13	600	24/40	27	600	35/25
14	600	29/42	28	600	40/25



**04-1020: ALLIHN CONDENSER** – Allihn style reflux condenser with either  $\text{S}$  or  $\text{F}$  joint at top and lower inner drip tip.

Code #	Jacket Length mm	Joint $\text{S}$	Code #	Jacket Length mm	Joint $\text{F}$
01	100	19/38	15	100	28/15
02	100	24/40	16	100	35/25
03	200	19/38	17	200	28/15
04	200	24/40	18	200	35/25
05	250	24/40	19	250	35/20
06	250	29/42	20	250	35/25
07	300	24/40	21	300	35/20
08	300	29/42	22	300	35/25
09	400	24/40	23	400	35/20
10	400	29/42	24	400	35/25
11	500	24/40	25	500	35/20
12	500	29/42	26	500	35/25



**04-1040: SOLVENT RECOVERY CONDENSER** - For use in the recovery of solvents from evaporative operations.

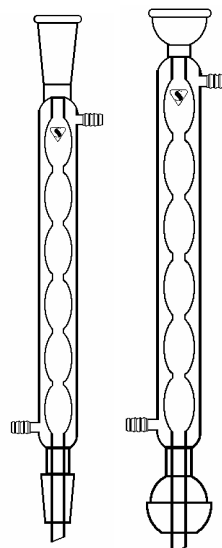
Code #	Description	Joint $\text{S}$
01	Condenser	19/22
02	Condenser	24/40
03	Condenser	29/42

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# CONDENSERS

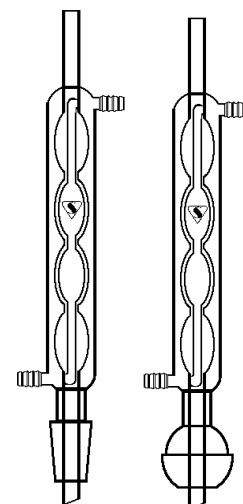
**04-1060: ALLIHN CONDENSER** – Allihn style reflux condenser with either  $\text{M}$  or  $\text{F}$  joints at top and lower inner drip tip joint.

Code #	Jacket Length mm	$\text{M}$ Joint	Code #	Jacket Length mm	$\text{F}$ Joint
01	100	19/38	15	100	28/15
02	100	24/40	16	100	35/25
03	200	19/38	17	200	28/15
04	200	24/40	18	200	35/25
05	250	24/40	19	250	35/20
06	250	29/42	20	250	35/25
08	300	29/42	22	300	35/25
10	400	29/42	24	400	35/25
12	500	29/42	26	500	35/25
13	600	24/40	27	600	24/40
14	600	29/42	28	600	29/42



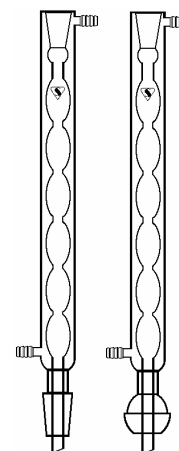
**04-1080: HIGH EFFICIENCY ALLIHN CONDENSER** - With  $\text{M}$  or  $\text{F}$  male joint. Plain vent tube at top.

Code #	Jacket Length mm	$\text{M}$ Joint	Code #	Jacket Length mm	$\text{F}$ Joint
01	100	19/38	15	100	28/15
02	100	24/40	16	100	35/25
03	200	19/38	17	200	28/15
04	200	24/40	18	200	35/25
05	250	24/40	19	250	35/20
06	250	29/42	20	250	35/25
07	300	24/40	21	300	35/20
08	300	29/42	22	300	35/25
09	400	24/40	23	400	35/20
10	400	29/42	24	400	35/25
11	500	24/40	25	500	35/20
12	500	29/42	26	500	35/25
13	600	24/40	27	600	35/25
14	600	29/42	28	600	40/25



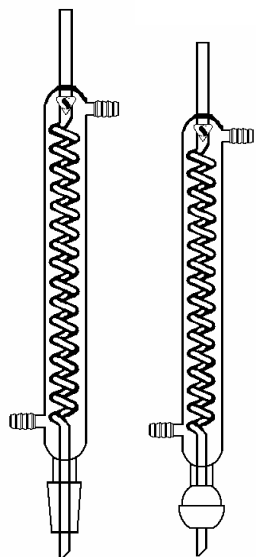
**04-1120: ALLIHN CONDENSER** - With  $\text{M}$  Joints – The top joint is jacketed.

Code #	Jacket Length mm	$\text{M}$ Joint	Code #	Jacket Length mm	$\text{F}$ Joint
01	100	19/38	13	100	28/12
02	100	24/40	14	100	35/25
03	200	19/38	15	200	28/12
04	200	24/40	16	200	35/25
05	250	24/40	17	250	35/25
06	250	29/42	18	250	50/30
07	300	24/40	19	300	35/25
08	300	29/42	20	300	50/30
09	400	24/40	21	400	35/25
10	400	29/42	22	400	50/30
11	500	24/40	23	500	35/25
12	600	29/42	24	600	50/30



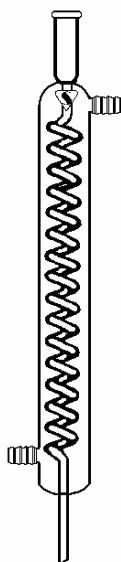
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# CONDENSERS



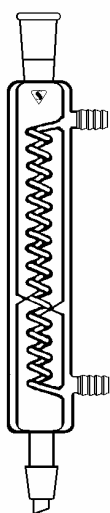
**04-1140: GRAHAM CONDENSER** - Plain tube at top with inner **US** or **LF** inner drip tip joint at bottom.

Code #	Jacket Length mm	<b>US</b> Joint	Code #	Jacket Length mm	<b>LF</b> Joint
01	100	19/38	09	100	28/12
02	200	24/40	10	200	35/25
03	250	29/42	11	250	50/30
04	300	24/40	12	300	35/25
05	400	29/42	13	400	50/30
06	500	24/40	14	500	35/25
07	600	29/42	15	600	50/30
08	750	24/40	16	750	35/25



**04-1160: GRAHAM CONDENSER** - Top is tooled for #3 rubber stopper with plain tube at bottom.

Code #	Jacket Length mm	Code #	Jacket Length mm	<b>US</b> Joint
01	100	09	100	24/40
02	200	10	200	24/40
03	250	11	250	24/40
04	300	12	300	24/40
05	400	13	400	24/40
06	500	14	500	24/40
07	600	15	600	24/40
08	750	16	750	24/40



**04-1180: HIGH EFFICIENCY CONDENSER** - Uses both internal coil and outer jacket surfaces for highly efficient cooling. Top joint and bottom drip tip joint are equal in size.

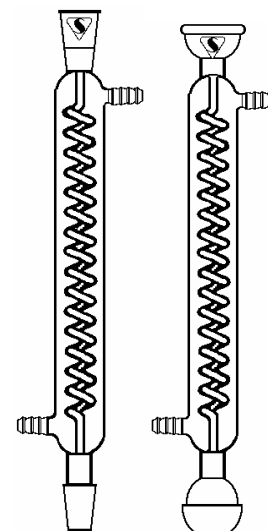
Code #	Jacket Length mm	<b>US</b> Joint Size
01	400	24/40
02	500	24/40
03	600	24/40
04	400	29/42
05	500	29/42
06	600	29/42
07	400	45/50
08	500	45/50
09	600	45/50

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# CONDENSERS

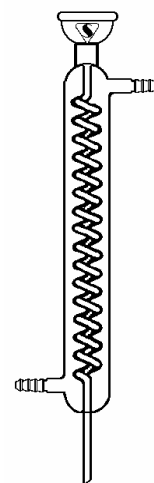
## 04-1200: GRAHAM CONDENSER - With $\text{S}$ or $\text{F}$ at top and bottom.

Code #	Jacket Length mm	Joint $\text{S}$	Code #	Jacket Length mm	Joint $\text{F}$
01	100	19/28	17	100	28/15
02	100	24/40	18	100	35/25
03	200	19/38	19	200	28/15
04	200	24/40	20	200	35/25
05	250	24/40	21	250	35/20
06	250	29/42	22	250	35/25
07	300	24/40	23	300	35/20
08	300	29/42	24	300	35/25
09	400	24/40	25	400	35/20
10	400	29/42	26	400	35/25
11	500	24/40	27	500	35/20
12	500	29/42	28	500	35/25
13	600	24/40	29	600	35/25
14	600	29/42	30	600	40/25
15	750	24/40	31	750	35/20
16	750	29/42	32	750	35/25



## 04-1220: GRAHAM CONDENSER - Plain tube at bottom with $\text{F}$ at top.

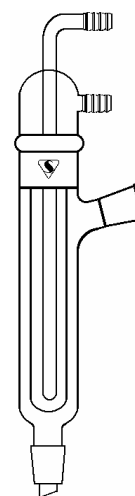
Code #	Jacket Length mm	$\text{F}$ Joint	Code #	Jacket Length mm	$\text{F}$ Joint
01	100	28/15	09	400	35/20
02	100	35/25	10	400	35/25
03	200	28/15	11	500	35/20
04	200	35/25	12	500	35/25
05	250	35/20	13	600	35/20
06	250	35/25	14	600	40/25
07	300	35/20	15	750	35/20
08	300	35/25	16	750	35/25



## 04-1300: HOPKINS CONDENSER

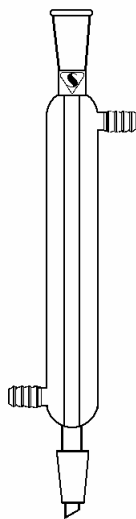
Code #	Cold Finger Length mm	Connecting Joint	Side and Bottom Joint
01	150	34/45	19/38
02	150	34/45	24/40
03	200	45/50	24/40
04	200	45/50	29/42
05	250	45/50	24/40
06	250	45/50	29/42
07	300	45/50	24/40
08	300	45/50	29/42

Other Joint Sizes Available



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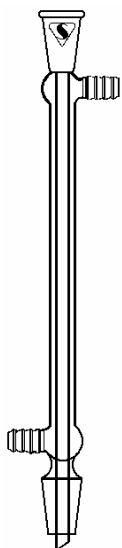
# CONDENSERS



**04-1380: LIEBIG CONDENSER** - Condenser has a  $\text{S}$  outer joint at the top and a lower inner drip tip joint.

Code #	Jacket Length mm	$\text{S}$ Joint
01	100	24/40
02	200	24/40
03	250	24/40
04	300	24/40
05	400	24/40
06	500	24/40
07	600	24/40
08	750	24/40
09	600	29/42

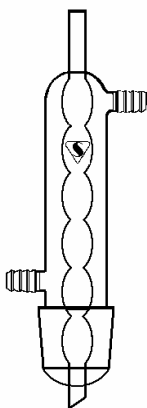
Other Joint Sizes and Lengths Available



**04-1440: CONDENSER, WEST** - Narrow annular space between jacket and inner tube of the West condenser provides for excellent cooling efficiency due to the increased flow rate of water. Condenser has a top  $\text{S}$  joint with a lower  $\text{S}$  drip tip joint.

Code #	Jacket Length mm	$\text{S}$ Joint
01	100	24/40
02	200	24/40
03	250	24/40
04	300	24/40
05	400	24/40
06	500	24/40
07	600	24/40
08	750	24/40

Other joint sizes and lengths available.



**04-1500: CONDENSER, ALLIHN REFLUX** - With plain tube at top and joint at bottom.

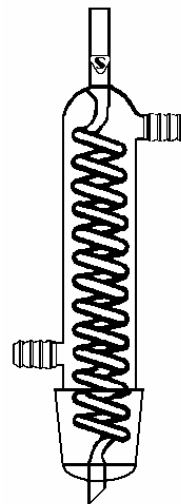
Code #	Jacket Length mm	$\text{S}$ Joint	Code #	Jacket Length mm	$\text{S}$ Joint
01	190	34/45	04	350	71/60
02	260	45/50	05	400	13/60
03	300	55/50	06	500	45/60

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# CONDENSERS

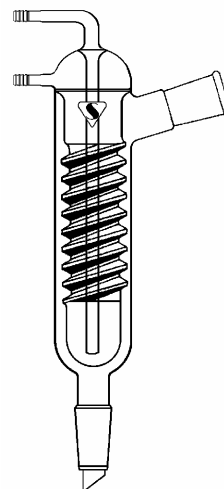
**04-1520: CONDENSER, GRAHAM REFLUX - With plain tube at top and  $\overline{\text{S}}$  joint at bottom**

Code #	Jacket Length mm	$\overline{\text{S}}$ Joint	Code #	Jacket Length mm	$\overline{\text{S}}$ Joint
01	190	34/45	03	300	55/50
02	260	45/50	04	400	103/60



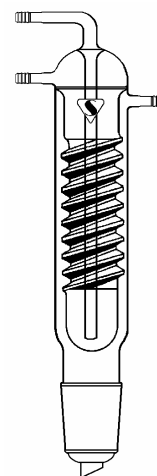
**04-1540: FRIEDRICHS CONDENSER – Condenser has a specially formed spiral inner tube providing a long vapor path, ensuring good heat transfer and anti-flooding characteristics. Condenser has a standard taper outer joint at a 15° angle to the condenser and a lower inner drip tip joint.**

Code #	Joint Size	Overall Height mm
01	24/40	330
02	29/26	320
03	29/42	335



**04-1560: FRIEDRICHS CONDENSER – Similar to 04-1540 but with the 24/40 outer joint replaced with a hose connection. For use with a drying tube. This style condenser is used primarily in Soxhlet extractions or in reflux mode.**

Code #	Joint Size	Overall Height mm
01	24/40	330
02	45/50	360



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