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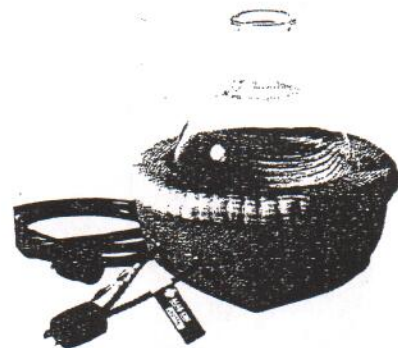
HEATING MANTLE, ROUND BOTTOM FLASK GLAS-COL

H-1311

COVERS ONLY BOTTOM, ALLOWING FULL VIEW OF CONTENTS. ACCOMMODATES MULTI-NECK FLASK. CSA APPROVED.

WITH 4 FT. 2-WIRE SJT SEPARABLE CORD. NOT AVAILABLE FOR 230 VOLTS IF MARKED "*". USE WITH SUPPORTS ON NEXT PAGE.

GLAS-COL NUMBER	FOR FLASK CAP. ml	WATTAGE	CODE
*0 394	50	60W-115V	-1
*0 396	100	80W-115V	-2
*0 398	125	80W-115V	-3
0 400	200	100W-115V	-4
0 402	250	180W-115V	-5
0 404	300	180W-115V	-6
0 406	500	270W-115V	-7
0 408	1000	380W-115V	-8
0 410	2000	500W-115V	-9
0 412	3000	500W-115V	-10
0 414	5000	600W-115V	-11
0 416	12000	2-650W-115V	-12



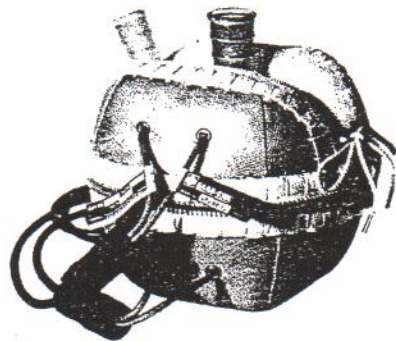
HEATING MANTLE, ROUND BOTTOM FLASK GLAS-COL

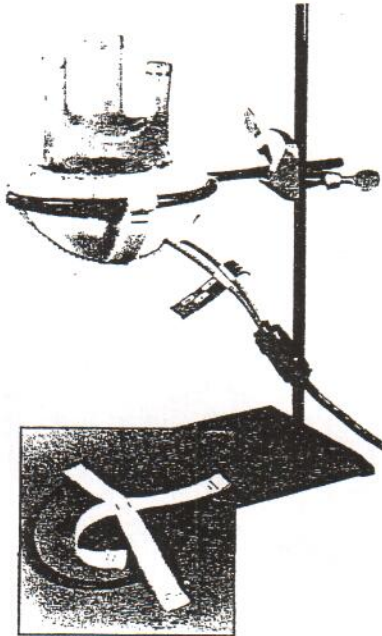
H-1312

ACCOMMODATES 1, 2, AND 3 NECK FLASK. COVERS BOTH TOP AND BOTTOM OF FLASK. ZIPPER HOLDS SIDES SNUGLY TOGETHER AND PREVENTS HEAT LOSS. SPLIT SIDE ALLOWS EASY REMOVAL WITHOUT DISTURBING FLASK. CSA APPROVED.

WITH 4 FT. 2-WIRE SJT SEPARABLE CORD. NOT AVAILABLE FOR 230 VOLTS IF MARKED "*". USE WITH SUPPORTS ON NEXT PAGE.

GLAS-COL NUMBER	FOR FLASK CAP. ml	WATTAGE DISTRIBUTION		CODE
		LOWER	UPPER	
*0 94 3	50	60W-115V	NONE	-1
*0 96 3	100	80W-115V	NONE	-2
*0 98 3	125	80W-115V	NONE	-3
0 100 3	200	100W-115V	NONE	-4
0 102 3	250	180W-115V	NONE	-5
0 104 3	300	180W-115V	NONE	-6
0 106 3	500	270W-115V	NONE	-7
0 108 3	1000	380W-115V	140W-115V	-8
0 110 3	2000	500W-115V	200W-115V	-9
0 112 3	3000	500W-115V	200W-115V	-10
0 114 3	5000	600W-115V	300W-115V	-11
0 116 3	12000	2-650W-115V	590W-115V	-12





H-1321 EXTENSION SUPPORTS, GLAS-COL

STRONG, HANDY AND DURABLE SUPPORTS
MANTLES UP TO 5 LITER CAPACITY.

BLACK STEEL RING WITH FABRIC STRAP BASKET.
USE WITH MANTLES ON PREVIOUS PAGE.

GLAS-COL NUMBER	MANTLE SIZE	CODE
0 524	UP TO 200mL	-1
0 525	250-300ml	-2
0 530	500ml	-3
0 535	1-LITER	-4
0 540	2-LITER	-5
0 545	3-LITER	-6
0 550	5-LITER	-7

H-1322 TRIPOD SUPPORT, GLAS-COL



USE ON BENCH OR FLOOR TO SUPPORT LARGE
MANTLES ON PREVIOUS PAGE.

BLACK STEEL RING WITH ALUMINUM BASKET
STRAP. MOUNTING HOLE IN FOOT OF EACH LEG.

GLAS-COL NUMBER	MANTLE SIZE	CODE
0 504	5-LITER	-1
0 505	12-LITER	-2

IF YOU HAVE NEED FOR A
HEATING MANTLE THAT IS
NOT LISTED, PLEASE CALL
FOR A PRICE QUOTATION.

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HEATING MANTLE, ROUND BOTTOM FLASK, GLAS-COL H-1331

COVERS ONLY BOTTOM, CONTENTS ARE FULLY VISABLE. RESILIENT GLASS FABRIC SUPPORTS FLASK AND PROTECTS FLASK WALL FROM THERMAL STRAIN. INSULATES EFFICIENTLY. OUTER SHELL PREVENTS SHAPE DISTORTION. GROUNDS THROUGH ALUMINUM HOUSING. CONSERVES VALUABLE SPACE. TEMPERATURE LIMIT, 450 DEGREES.

4 FT., 3-WIRE SJT CORD.

NOT AVAILABLE FOR 230 VOLTS IF MARKED "*".

GLAS-COL NUMBER	FOR FLASK CAP. ml	WATTAGE	CODE
*M 94	50	60W-115V	-1
*M 96	100	80W-115V	-2
*M 98	125	80W-115V	-3
M 100	200	100W-115V	-4
M 102	250	180W-115V	-5
M 104	300	180W-115V	-6
M 106	500	270W-115V	-7
M 108	1000	380W-115V	-8
M 110	2000	500W-115V	-9
M 112	3000	500W-115V	-10
M 114	5000	600W-115V	-11
M 116	12000	2-650W-115V	-12
M 118	22000	2-770W-115V	-13
M 120	50000	2-1000W-115V	-14
M 122	72000	2-2000W-115V	-15



EXTENSION SUPPORT, HEATING MANTLE, GLAS-COL H-1332

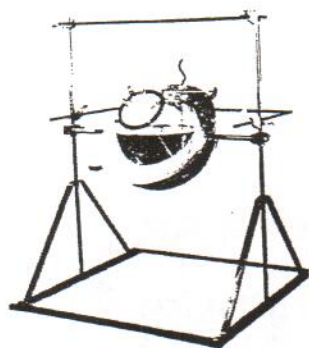
ATTACHES TO RING STAND OR DISTILLATION RACK AND SUPPORTS UP TO 5-LITER MANTLES.

BLACK STEEL RING WITH 6" SHANK.

GLAS-COL NUMBER	MANTLE SIZE	CODE
M 532	50-300ml	-1
M 534	500ml	-2
M 535	1-LITER	-3
M 540	2-LITER	-4
M 545	3-LITER	-5
M 550	5-LITER	-6



H-1341 TILTING SUPPORT, GLAS-COL



EMPTIES FLASK WITH FINGER TIP CONTROL. ADJUSTABLE SUPPORT RING THAT LOCKS AT ANY CONVENIENT HEIGHT. UPPER CROSS MEMBER SERVES AS STOP FOR TILTED MANTLE AND ADDS STRENGTH TO ASSEMBLY. COMPACT AND STABLE BASE.

COMPLETE WITH ONE SET OF RINGS. SHIPPED DISASSEMBLED. BASE IS 36" X 38 1/2". HEIGHT IS 48".

GLAS-COL NUMBER	SIZE ml	COMPLETE CODE	RINGS ONLY CODE
MS 2012	12000	-1	-5
MS 2022	22000	-2	-6
MS 2050	50000	-3	-7
MS 2072	72000	-4	-8

H-1342 TRIPOD SUPPORT, GLAS-COL



FOR LARGER "M" SERIES MANTLES. SITS ON FLOOR OR BENCH. 3-BOLT ASSEMBLY.

SHIPPED DISASSEMBLED. BLACK STEEL RING AND LEGS. LEGS HAVE MOUNTING HOLES.

GLAS-COL NUMBER	MANTLE SIZE	HEIGHT INCHES	CODE
M 505	3-LITER	14	-1
M 510	5-LITER	14	-2
M 515	12-LITER	14	-3
M 520	22-LITER	14	-4
M 525	50-LITER	16	-5
M 530	72-LITER	18	-6

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JUSTABLE SUPPORT, GLAS-COL

H-1351

HEIGHT ADJUSTABLE FOR FINITE LOCATION OF "M" MANTLE SERIES. ONE SIDE OF LEG BRACE EASILY REMOVED TO ACCOMMODATE DRAIN CONTAINER.

BLACK FINISH STEEL. ADJUSTABLE HEIGHT OF 24" TO 36" IN 3 INCH INCREMENTS. MOUNTING HOLES IN LEGS. SHIPPED DISASSEMBLED.

GLAS-COL NUMBER	MANTLE SIZE	CODE
M 515 A 36	12 LITER	-1
M 520 A 36	22-LITER	-2
M 525 A 36	50-LITER	-3
M 530 A 36	72-LITER	-4



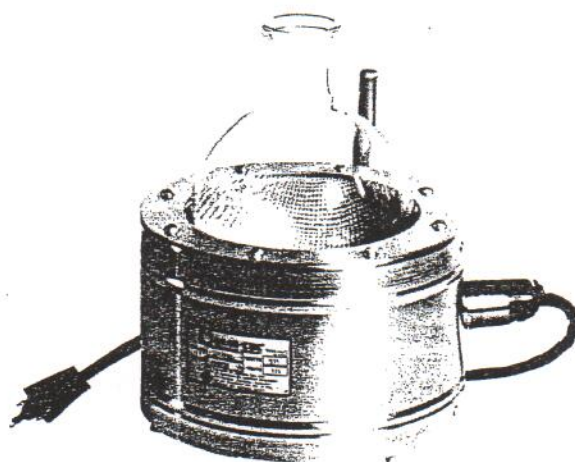
HEATING MANTLE, ROUND BOTTON FLASK, GLAS-COL H-1352

COVERS ONLY BOTTOM, FULL VIEW OF CONTENTS. 250ml AND LARGER SIZES ACCEPT PONCHO SAFETY SHIELD. MAY BE USED WITH HEATING TOPS. TERMINAL-BOX MODELS AVAILABLE WITH SWITCHES AND PILOT LIGHTS.

NSA APPROVED, EXCEPT MODELS TM 94 - 100.

NOT AVAILABLE FOR 230V IF MARKED "*". 50ml THROUGH 22-LITER SIZES FURNISHED WITH LOCKING ELECTRICAL CONNECTOR AND SEPARABLE 4 FT, 3-WIRE CORD. TERMINATION OF HEATING CIRCUITS IN 50 AND 72-LITER UNITS LOCATED IN TERMINAL BOX FOR PERMANENT CONNECTION TO POWER SUPPLY.

GLAS-COL NUMBER	CAPACITY FLASK ml	WATTAGE	CODE
*TM 94	50	60W-115V	-1
*TM 96	100	80W-115V	-2
*TM 98	125	80W-115V	-3
TM 100	200	100W-115V	-4
TM 102	250	180W-115V	-5
TM 104	300	180W-115V	-6
TM 106	500	270W-115V	-7
TM 108	1000	380W-115V	-8
TM 110	2000	500W-115V	-9
TM 112	3000	500W-115V	-10
TM 114	5000	600W-115V	-11
TM 116	12000	2-650W-115V	-12
TM 118	22000	2-770W-115V	-13
TM 120	50000	3-1000W-115V	-14
TM 122	72000	2-2000W-115V	-15



H-1361 HEATING MANTLES, GLASS BOTTLES AND JARS
GLAS-COL

UNIFORM HEAT AND PREVENTS SEVERE
TEMPERATURE GRADIENTS IN THICK WALLED
GLASS BOTTLES AND JARS, WHICH ARE USUALLY
SUSCEPTIBLE TO THERMAL STRAINS. CSA
APPROVED. WITH 4 FT., 3-WIRE SJT CORD

FOR CORNING JARS NUMBER 6942



GLAS-COL NUMBER	CAPACITY	MANTLE		WATTAGE	CODE
		I.D. INs	DEPTH INs		
TM 982	2-1/2GAL	10-1/8	8	2-500W-115V	-1
TM 984	3-1/2GAL	8-3/4	14	2-600W-115V	-2
TM 986	4-1/2GAL	12	10	2-700W-115V	-3
TM 988	4-3/4GAL	10-1/8	14	2-700W-115V	-4
TM 990	7- GAL	12	14	2-800W-115V	-5
TM 992	9-1/2GAL	12	20	2-800W-115V	-6

FOR GLASS BOTTLES - CORNING NUMBER 1585

GLAS-COL NUMBER	CAPACITY	MANTLE		WATTAGE	CODE
		I.D. INs	DEPTH INs		
TM 960	9-LITERS	8	12	2-500W-115V	-7

FOR GLASS BOTTLES - CORNING NUMBER 1595

GLAS-COL NUMBER	CAPACITY	MANTLE		WATTAGE	CODE
		I.D. INs	DEPTH INs		
TM 962	2-1/2GAL	7-9/16	13-1/2	2-600W-115V	-8
TM 964	3-1/2GAL	9-1/2	11-1/2	2-700W-115V	-9
TM 966	5- GAL	11-1/2	10-3/4	2-700W-115V	-10

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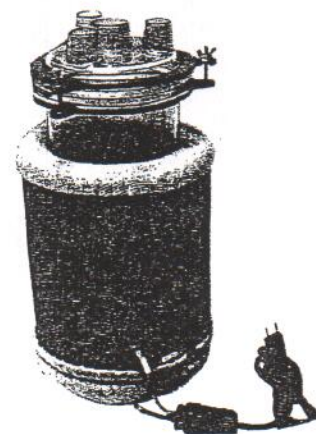
HEATING MANTLE, REACTION FLASKS, GLAS-COL H-1371

EVEN HEAT DISTRIBUTION PREVENTS SCORCHING OF CLEAR RESINOUS MATERIALS. ONE CIRCUIT HEAT INPUT FOR SIMPLE HEAT CONTROL. CSA APPROVED.

WITH 4 FT., 2-WIRE SJT CORD.

FOR FLASK NOT LISTED - SPECIFY O.D., HEIGHT, CAPACITY, AND MANUFACTURER.

GLAS-COL NUMBER	FLASK CAPACITY	MANTLE		WATTAGE	CODE
		I.D. INs	DEPTH INs		
0 570	500ml	3-3/4	5	270W-115V	-1
0 572	1000ml	4-1/2	5-1/4	335W-115V	-2
0 576	2000ml	5-1/2	6	470W-115V	-3
0 578	3000ml	5-1/2	9	550W-115V	-4
0 580	4000ml	5-1/2	11	750W-115V	-5



HEATING MANTLE, REACTION FLASKS, GLAS-COL H-1372

EVEN HEAT DISTRIBUTION PREVENTS SCORCHING OF CLEAR RESINOUS MATERIALS. ONE CIRCUIT HEAT INPUT FOR SIMPLE HEAT CONTROL. CSA APPROVED.

WITH 4 FT., 3-WIRE SJT CORD.

WHEN ORDERING - SPECIFY O.D., HEIGHT, AND CAPACITY OF FLASK, AND MANUFACTURER.



H-1381 HEATING MANTLE, REACTION FLASKS, GLAS-COL

USE WITH OUR REACTION FLASK NUMBER
H-1081 AND H-1082.

EVEN HEAT DISTRIBUTION PREVENTS SCORCHING
OF CLEAR RESINOUS MATERIALS. ONE CIRCUIT
HEAT INPUT FOR SIMPLE HEAT CONTROL.

WITH 4 FT., 2-WIRE SJT CORD.



FLASK
CAPACITY

ml	WATTAGE	CODE
500	250W-115V	-1
1000	300W-115V	-2
1500	380W-115V	-3
2000	450W-115V	-4
3000	600W-115V	-5

H-1382 HEATING MANTLE, GRIFFIN BEAKERS, GLAS-COL

RESILIENT AND PLIABLE INTERIOR CRADLES
FRAGILE BEAKERS. HEAT IS CONCENTRATED AT
BOTTOM FOR HEATING SMALL LIQUID VOLUMES.
CSA APPROVED.

4 FT., 2-WIRE SJT CORD. AVAILABLE FOR
230V, EXCEPT FOR GLAS-COL NUMBER 0 600.

FOR TALL-FORM BEAKERS, SPECIFY CATALOG
AND CODE NUMBER AND INDICATE "FOR
TALL-FORM BEAKER".



GLAS-COL NUMBER	BEAKER CAP.ml	DIA.INs	MANTLE DEPTH INs	WATTAGE	CODE
0 600	50	1-5/8	1-5/8	40W-115V	-1
0 602	100	2	2	100W-115V	-2
0 604	150	2-1/4	2-3/8	100W-115V	-3
0 606	250	2-11/16	2-1/2	140W-115V	-4
0 608	400	3	3-1/4	240W-115V	-5
0 610	600	3-1/2	3-3/4	325W-115V	-6
0 612	800	3-7/8	4-1/4	350W-115V	-7
0 614	1000	4-1/4	4-1/2	430W-115V	-8
0 616	2000	5-1/8	6	550W-115V	-9
0 618	3000	5-3/4	6-1/2	630W-115V	-10
0 620	4000	6-3/8	8	710W-115V	-11

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HEATING & INSULATING TOPS, GLAS-COL

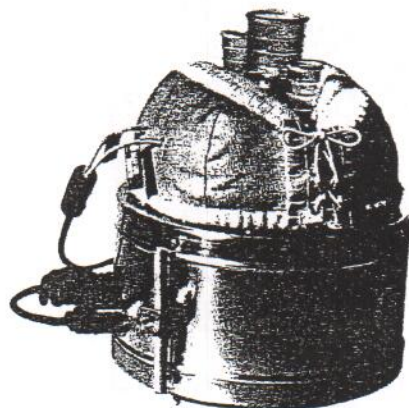
H-1391

PREVENTS VAPOR CONDENSATION IN UPPER HALF OF FLASK DURING DISTILLATION OF HIGH BOILING MATERIALS. PROTECTS TOP OF FLASK FROM STRAY DRAFTS, THAT COULD DISTURB THE REFLUX RATIO DURING FRACTIONATION. ALSO PROTECTS FROM FLYING GLASS OF FLASK IMPLOSIONS IN HIGH VACUUM DISTILLATIONS, FROM FALLING OBJECTS AND FROM THERMAL STRAIN BETWEEN TOP AND LOWER HALF OF FLASK DURING HIGH TEMPERATURE OPERATIONS. GLASS FABRIC CONSTRUCTION. LACED-SIDE OPENING. ELLIPTICAL HOLE ACCOMMODATES 1, 2, OR 3 NECK FLASK. TEMPERATURE LIMIT 450 DEGREES. CSA APPROVED EXCEPT FOR 72-LITER SIZE.

4 FT. 2-WIRE SJT CORD.

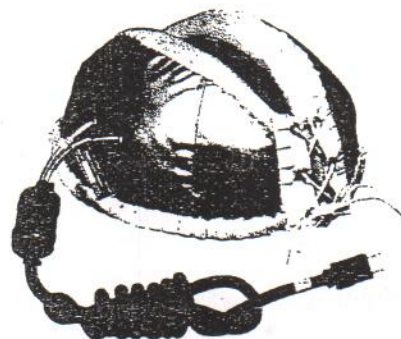
HEATING TOPS

GLAS-COL NUMBER	FLASK CAP. ml	WATTAGE	CODE
MD 102 3	250	140W-115V	-1
MD 104 3	300	140W-115V	-2
MD 106 3	500	140W-115V	-3
MD 108 3	1000	140W-115V	-4
MD 110 3	2000	200W-115V	-5
MD 112 3	3000	200W-115V	-6
MD 114 3	5000	300W-115V	-7
MD 116 3	12000	590W-115V	-8
MD 118 3	22000	650W-115V	-9
MD 120 3	50000	1000W-115V	-10
MD 122 3	72000	1000W-115V	-11

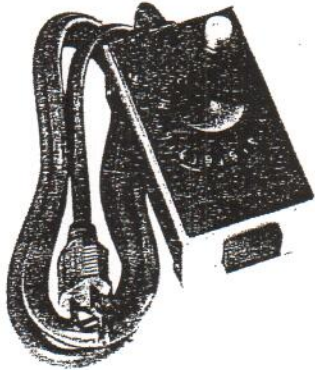


INSULATING TOPS

GLAS-COL NUMBER	FLASK CAP. ml	CODE	GLAS-COL NUMBER	FLASK CAP. ml	CODE
INS 94 3	50	-12	INS 110 3	2000	-20
INS 96 3	100	-13	INS 112 3	3000	-21
INS 98 3	125	-14	INS 114 3	5000	-22
INS 100 3	200	-15	INS 116 3	12000	-23
INS 102 3	250	-16	INS 118 3	22000	-24
INS 104 3	300	-17	INS 120 3	50000	-25
INS 106 3	500	-18	INS 122 3	72000	-26
INS 108 3	1000	-19			



H-1401 MINITROL,



REGULATES MANTLES, TAPES, AND CORDS. ALSO USABLE FOR SMALL FURNACES, OVENS, HOT PLATES, DIES, AND OTHER APPLICATIONS REQUIRING STEPLESS CONTROL.

MANUALLY ADJUSTED WITH PERCENTAGE-TIMER DESIGN. PROPORTIONS OPERATING VOLTAGE TO LOAD FROM 5-1/2% TO 100% OF TIME ACCORDING TO PRESET DIAL POSITION. EFFECTS POSITIVE BREAK WHEN OFF. USE ON ANY NON-INDUCTIVE LOADS TO RATED CAPACITY. SMALLER FUSES MAY BE USED TO PROTECT VERY SMALL LOADS.

H-1402



MINITWIN HANDLES TWO SEPARATE CIRCUITS. PILOT LIGHT CONNECTED ACROSS OUTPUT SIDE OF CONTROL, INDICATING POWER TO LOAD. OPERATION CONTROLLED BY OPERATOR; NO SENSING ELEMENT. WITH DESIRED TEMPERATURE DETERMINED ON INITIAL RUN, A SIMPLE DIAL SETTING CONTROLS REPEAT OPERATIONS.

CSA CERTIFIED.

<u>CATALOG NUMBER</u>	<u>NUMBER CIRCUITS</u>	<u>AMPS PER CIRCUIT</u>	<u>VOLTS</u>	<u>OUTPUT CAPACITY</u>	<u>CASE DIMENSIONS</u>
H-1401	1	13	120	1550	2-1/2" x 4-1/4" x 2"
H-1402	2	7.5	120	900/CIR	5" x 4-1/4" x 2"

H-1403 VARIABLE TRANSFORMER

<u>INPUT VOLTAGE</u>	<u>OUTPUT VOLTAGE</u>	<u>MAX CURRENT</u>	<u>L x W x H</u>
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WITH 2-PRONG PLUG

120	0-120/140	10A	19x13x14cm
240	0-240/280	3.5A	19x13x14cm

WITH 3-PRONG PLUG

120	0-120/140	10A	19x13x14cm
240	0-240/280	3.5A	19x13x14cm
120	0-140	22A	27x19x17cm

