

Specialty Heating Mantles



KJL-2000

KJL-1000

Built-in electronic controller regulates heating element from ambient to 750°C, 2 ranges: low & high

- Durable housing is chemically resistant
- Accept a large range of flasks
- For maximum operator protection, models are grounded should spillage or flask breakage occur
- Units are designed with a built-in stainless steel liner that gives electrical & mechanical protection against spillage & enables easy cleaning
- All models include support rod holder.

Three Flask Size In One Mantle

Model KJL-1000

- For flasks up to 1000ml.
- Stepless heat control.
- Operating temperature up to 750°C.

Model KJL-2000 for flasks up to 2000ml

Features:

- Three in one design accommodates 250, 500 or 1000ml round bottom flasks (KJL-1000, KJLS-1000).
- Three in one design accommodates 500, 1000 or 2000ml round bottom flasks (KJL-2000, KJLS-2000).
- Different vessel sizes, spill proof heater.
- Includes rear bracket for support rod.
- Stepless heat control up to 750°C (650°C with stirrer)
- Variable speed control up to 1800rpm (KJLS-1000, KJLS-2000).
- Heater on light.
- Element temperature range of ambient to 750°C.

Heating Mantle With Magnetic Stirrers

Model KJLS-1000/KJLS-2000

- Steeples heat control up to 650°C
- Variable speed control up to 1800 RPM



KJLS-2000

KJLS-1000

Specifications:

Model	Temp. range	Capacity	Stirring	Dimensions	Weight	Watt
KJL-1000	up to 750°C	250-1000ml	-	W12xD17xD18cm	1.2kg	550
KJL-2000	up to 750°C	500-2000ml	-	W21xD20xD24cm	1.4kg	750
KJLS-1000	up to 650°C	250-1000ml	up to 1600rpm	W16xD17xD23cm	2.3kg	550
KJLS-2000	up to 650°C	500-2000ml	up to 1600rpm	W21xD20xD24cm	2.5kg	750

BMN-C Serie, Heating Mantles For Beakers



Model	Capacity	Power
BMN-250C	250ml	200W
BMN-500C	500ml	300W
BMN-1000C	1000ml	400W
BMN-2000C	2000ml	500W
BMN-3000C	3000ml	600W
BMN-5000C	5000ml	700W

Features:

Maximum 450°C operating temperature

- Aluminium housed case, rigid housing to support the weight of the beaker
- Provide uniform heating of beaker without the danger of open frame
- For beaker capacity: 250ml, 500ml, 1 litre, 2 litre, 3 litre, 5 litre
- Fabric mantles for effective heating & protection of glass beaker from thermal shock
- Manual control- proportional voltage control from 0-100%.

KJL-Series, Multi Unit Macro Kjeldahl Apparatus



KJL-6100

Model KJL-6100, 6 Positions

Up to 6 flasks • 220 Volt (or 110V), 6x550 Watt • Dimensions: (WxHxD) 80x19x20 cm (D includes rear bracket for support rod) • Nett weight: 6.8 Kgs.

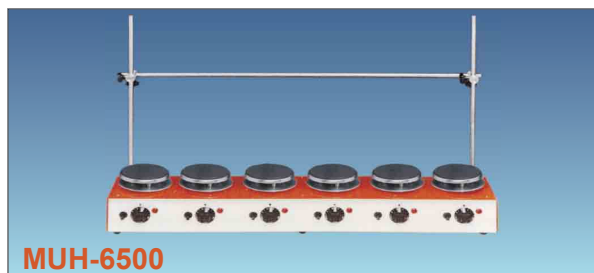


KJL-4100

Model: KJL-4100, 4 Positions

Up to 4 flasks • 220 Volt (or 110 V), 4 x 550 Watt • Dimensions: (WxHxD) 60x19x20cm (D includes rear bracket for support rod) • Net weight: 4.8 Kgs.

MUH-Series, Multi Position Round Top Extraction Heater



MUH-6500

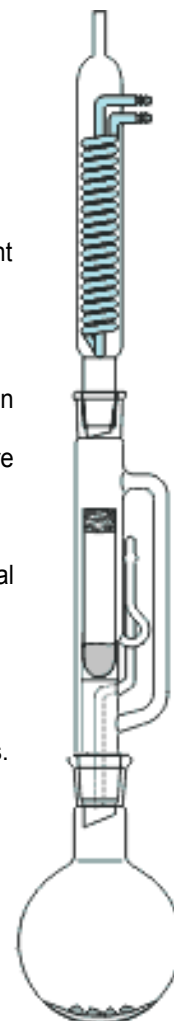
Application:

- Allows you to run different projects concurrently or to make simultaneous multiple runs of the same project.
- Ideal for extraction, distillation, and digestion.
- Optional: Aluminium top mould for round bottom flasks up to 250ml/500ml for extraction apparatus soxhlet

- For flasks 250 up to 1000 ml.
- Spillproof–Stainless Steel Heater.
- Stepless– heat control.
- Operating temperature: up to 750°C.
- Includes 4 support rods and 4 clamps.
- Durable housing is chemically resistant.
- Built-in electronic controller regulates element temperature to 750°C, 2 ranges: low & high.
- Robust aluminium construction permits operation of the units as required by extraction and distillation processes.
- “Heat on” light for each recess indicates when power is being supplied to the heater.
- For maximum operator protection, models are grounded should spillage or flask breakage occur.
- Units are designed with a built-in stainless steel liner that gives electrical and mechanical protection against spillage & enables easy cleaning.
- Lower profile for space-saving convenience.
- Ideal for repetitive extracting (kjeldahl, soxhlet, and other extraction procedure), refluxing and distilling laboratory applications.
- Analog controller built-in system.
- Rods & clamps are offered as standard.
- Ideal for all brands round flasks.
- Highly-processed aluminium case offers robust standing, easy handling.

Extraction Apparatus, Soxhlet

For cold extraction from consisting of round bottom flask with sicket NS 29/32.



Model	Extractor Capacity	Flask Capacity	Cone/Condenser Socket/Extr
21-452-49	70ml	100ml	34/35NS
21-452-55	100ml	250ml	45/40NS
21-452-59	150ml	250ml	45/40NS
21-452-63	200ml	250ml	45/40NS
21-452-65	250ml	500ml	45/40NS
21-452-67	300ml	500ml	60/46NS
21-452-73	500ml	1000ml	60/46NS

The Multi Heating Apparatus offers such versatility that is suitable for many laboratory purposes: extractions, distillations, digestions, evaporation etc. The 6 separate heat controls allow the heaters to be used for several different projects or multiple runs of the same project. The Multi Heating Apparatus in conjunction with inter-changable top mould for round bottom flasks - solves the most varied heating problems.

- Model MUH-6500** Six individual heat controls with pilot lights
- Built-in temperature regulator
 - For 6 places, 220 Volt (on request 115 V), 2700 Watts (6x450 W)
 - Approximate temp.: 40 - 450°C
 - Hotplate top 85 mm. dia.
 - Dimensions (WxHxD): 80x17x20 cm
 - Accesories: Optional: 6 interchangeable aluminum top moulds for round bottom flasks up to 100 ml or 250 to 500ml (Kjeldahl flasks 500-800 ml)
 - 4 support rods 800x12 mm. with 4 clamps.
- Model MUH-4500** as described above, but for 4 places 220 Volts 1800Watts (4x450 W). Dimen. (WxHxD): 60x17x20 cm.

H HEATING MANTLES Digital & Analog

MN-C/MN-D Serie, Metal Case Mantles, Analog/Digital Control



Model Manual Control	Model Digital Control	Capacity	Power
MN-50C	MN-50D	50ml	60W
MN-100C	MN-100D	100ml	80W
MN-250C	MN-250D	250ml	200W
MN-500C	MN-500D	500ml	300W
MN-1000C	MN-1000D	1000ml	400W
MN-2000C	MN-2000D	2000ml	500W
MN-3000C	MN-3000D	3000ml	600W
MN-5000C	MN-5000D	5000ml	700W
MN-10LC	MN-10LD	10L	1300W

Features:

Aluminum housing is chemical resistant, tough, lightweight and easy to clean • Built-in controller regulated element temperature to 450°C • 10 series mantles sizes available from 50 to 12liter • Unique air flow through ventilation slots beneath and around the rim and case keeps the exterior safe to touch • Flexible coiled heating element provides good heat transfer while absorbing shock minimizing risk of flask breakage • Heating element and insulation form an easily replaceable heating cartridge • A "Heater On" light indicates when power is being supplied to the heaters • Aluminium housed case, rigid housing to support the weight of the vessel • Provide uniform heating of vessel without the danger of open frame • Covering only the bottom half of the vessels & provide full view of the contents of the vessel • Fabric mantles for effective heating & protection of glass vessels from thermal shock • MN-C serie manual control-proportional voltage control from 0-100% • MN-D Series with external probe for precise control of the sample.



MNS Serie, Heat And Stir Cool Case Heating Mantle



Model	Capacity	Speed range	Power
MNS-250	250ml	0-1200rpm	200W
MNS-500	500ml	0-1200rpm	300W
MNS-1000	1000ml	0-1200rpm	400W
MNS-2000	2000ml	0-1200rpm	500W
MNS-5000	5000ml	0-1200rpm	700W

Features:

Built-in electronic controller • Designed for stirring and heating of liquid • Heating cartridge can be quickly and easily replaced in the event of failure. • Stirring is Independently controlled with a variable speed control up to 1200rpm • Built-in temperature control maintains element temperature from ambient to 450°C • Combines the traditional Electrothermal heating element with easily controlled solid state stirring • Vented case creates a unique air flow which allows housing to be safe to the touch when in use.



MU-350

MU-650

Multi-position Heaters

Choice of three or six recesses • Build-in electronic controller • Choice of heater only or heater/stirrer combination • Vented case ensures case remains “cool to the touch”.

Product Description:

- Individual built-in solid state electronic controls enable easy regulation of each heater, while removing sparking associated with mechanical switching.
- Units include three 0.5” (12.7mm) diameter support rods.
- The robust construction permits continuous operation of the units as required by routine extraction tests.
- MUS models incorporate a stirring module that allows the solution to be stirred and heated at the same time.
- MUS stirrer models include stirring control for each heater.
- Element temperature range to 450°C.
- Stirrer models include a stirring speed range of 50-1000 rpm.
- The coiled heating element is suspended within a thermal insulating cartridge to provide maximum heat transfer and support while removing sparking associated with mechanical switching.
- Heater cartridge can readily be replaced when necessary.
- For additional operator protection a safety earth (ground) screen encloses the heaters.
- Unique air flow ensures unit is safe to the touch.
- Pilot lights indicate when power is on, supplied to heaters and supplied to stirrers.

Models	Capacity	Units	Total watts	Dimension(mm)		
				H	W	L
MU-325	250 ml	3	600W	135	300	660
MU-350	500 ml	3	900W	135	300	660
MU-3100	1000 ml	3	1200W	170	300	750
MU-625	250 ml	6	1200W	135	300	1200
MU-650	500 ml	6	1800W	110	300	1200
MU-6100	1000 ml	6	2400W	170	300	1500

Models with stirrers	Capacity	Units	Speed Range	Total watts	Dimension(mm)		
					H	W	L
MUS-325	250 ml	3	0~1200 rpm	600W	210	300	660
MUS-350	500 ml	3	0~1200 rpm	900W	210	300	660
MUS-3100	1000 ml	3	0~1200 rpm	1200W	245	300	750
MUS-625	250 ml	6	0~1200 rpm	1200W	210	300	1200
MUS-650	500 ml	6	0~1200 rpm	1800W	210	300	1200
MUS-6100	1000 ml	6	0~1200 rpm	2400W	245	300	1500