

Экстракционные аппараты НМ-200, SHM-200, ЕН-200, АТ4001, трубки для сбора дыма

Технические характеристики

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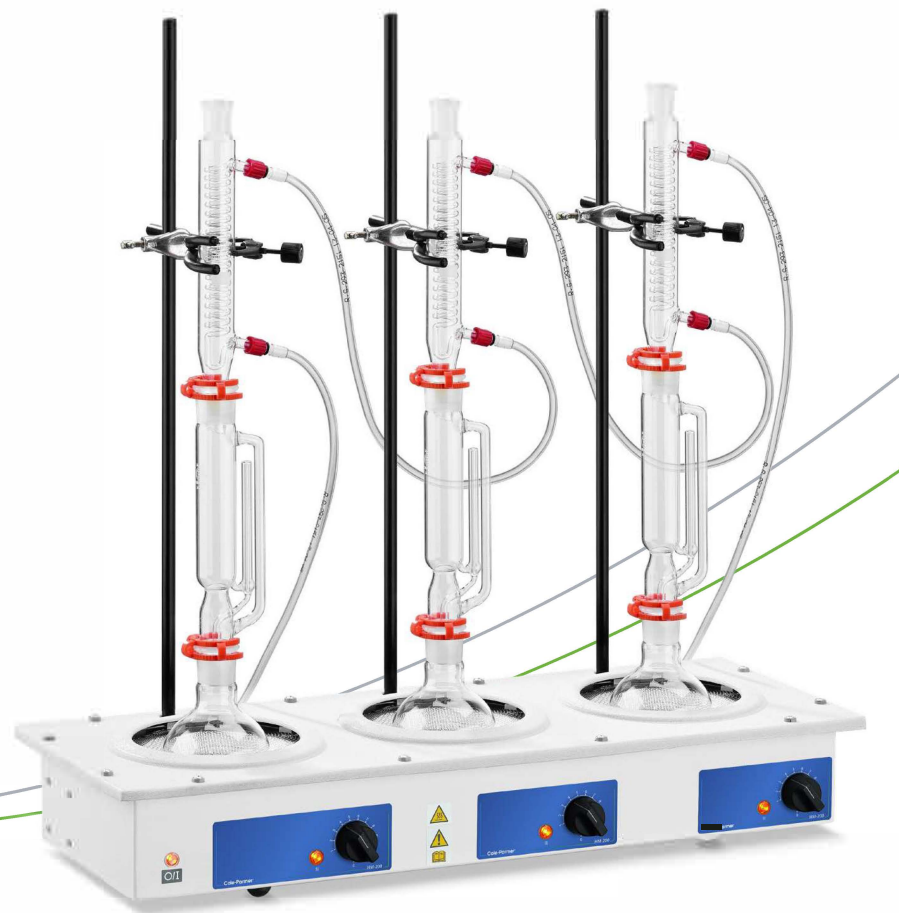
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Cole-Parmer® HM-200 and SHM-200 3 Position Multi-Mantles

- Individual built-in solid state electronic controls enable easy regulation of heater, while removing sparking associated with mechanical switching
- Three 12.7mm diameter support rods are included
- Round bottom flask capacity from 100ml to 1000ml at all 3 positions
- Top cover is polypropylene and external surfaces are powder coated giving good general chemical resistance
- Coiled heating element is suspended within a thermal insulating cartridge to provide maximum heat transfer and support
- Neon lights indicate when power is on and supplied to heaters and, if applicable, supplied to stirrers



Ordering Information

Description	Ordering Number	Series No.	Model No.	Legacy Sku.
3 x 100ml, 230v 50/ 60Hz, 180W UK and EU plug	03076-01	HM-200	HM-200-MP3-100	EME30100/CEB
3 x 100ml, 115v 50/ 60Hz, 180W	03076-00	HM-200	HM-200-MP3-100-115	EME30100/CEBX1
3 x 250ml, 230v 50/ 60Hz, 450W UK and EU plug	03076-04	HM-200	HM-200-MP3-250	EME30250/CEB
3 x 250ml, 115v 50/ 60Hz/ 450W	03076-03	HM-200	HM-200-MP3-250-115	EME30250/CEBX1
3 x 500ml, 230v 50/ 60Hz, 600W UK and EU plug	03076-07	HM-200	HM-200-MP3-500	EME30500/CEB
3 x 500ml, 115v 50/ 60Hz, 600W	03076-06	HM-200	HM-200-MP3-500-115	EME30500/CEBX1
3 x 1000ml, 230v 50/ 60Hz, 900W UK and EU plug	03076-10	HM-200	HM-200-MP3-1000	EME31000/CEB
3 x 1000ml, 115v 50/ 60Hz, 900W	03076-09	HM-200	HM-200-MP3-1000-115	EME31000/CEBX1
3 x 100ml, 230v 50/ 60Hz, 220W UK and EU plug	03076-13	SHM-200	SHM-200-MP3-100	EMEA30100/CE
3 x 100ml, 115v 50/ 60Hz, 220W	03076-12	SHM-200	SHM-200-MP3-100-115	EMEA30100/CEX1
3 x 250ml, 230v 50/ 60Hz, 490W UK and EU plug	03076-16	SHM-200	SHM-200-MP3-250	EMEA30250/CE
3 x 250ml, 115v 50/ 60Hz, 490W	03076-15	SHM-200	SHM-200-MP3-250-115	EMEA30250/CEX1
3 x 500ml, 230v 50/ 60Hz, 640W UK and EU plug	03076-19	SHM-200	SHM-200-MP3-500	EMEA30500/CE
3 x 500ml, 115v 50/ 60Hz, 640W	03076-18	SHM-200	SHM-200-MP3-500-115	EMEA30500/CEX1
3 x 1000ml, 230v 50/ 60Hz, 940W UK & EU plug	03076-22	SHM-200	SHM-200-MP3-1000	EMEA31000/CE
3 x 1000ml, 115v 50/ 60Hz, 940W	03076-21	SHM-200	SHM-200-MP3-1000-115	EMEA31000/CEX1

Technical Specification

Specification	HM-200-MP3-100	HM-200-MP3-100-115	HM-200-MP3-250	HM-200-MP3-250-115	HM-200-MP3-500	HM-200-MP3-500-115	HM-200-MP3-1000	HM-200-MP3-1000-115
Flask Capacity	3x100ml	3x100ml	3x250ml	3 x 250ml	3x500ml	3x500ml	3x1000ml	3x1000ml
Dimensions (d x w x h), mm	270 x 640 x 110mm	270 x 640 x 110mm	270 x 640 x 110mm	270 x 640 x 110mm	285 x 755 x 130mm	285 x 755 x 130mm	285 x 755 x 130mm	285 x 755 x 130mm
No. of Recesses	3	3	3	3	3	3	3	3
Shipping weight, kg	6.2kg	6.2kg	6.2kg	6.2kg	7.4kg	7.4kg	7.4kg	7.4kg

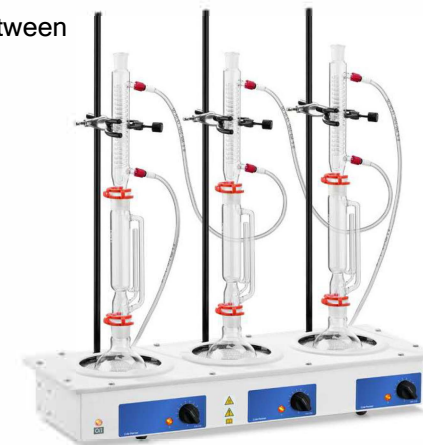
Specification	SHM-200-MP3-100	SHM-200-MP3-100-115	SHM-200-MP3-250	SHM-200-MP3-250-115	SHM-200-MP3-500	SHM-200-MP3-500-115	SHM-200-MP3-1000	SHM-200-MP3-1000-115
Flask Capacity	3x100ml	3x100ml	3x250ml	3x250ml	3x500ml	3x500ml	3x1000ml	3x1000ml
Dimensions (d x w x h), mm	270 x 640 x 110mm	270 x 640 x 110mm	270 x 640 x 110mm	270 x 640 x 110mm	285 x 755 x 130mm	285 x 755 x 130mm	285 x 755 x 130mm	285 x 755 x 130mm
No. of Recesses	3	3	3	3	3	3	3	3
Shipping weight, kg	7kg	7kg	7kg	7kg	8.4kg	8.4kg	8.4kg	8kg

Cole-Parmer® HM-200 & SHM-200 3 Position Multi-Mantles

The Cole-Parmer® 3 place multi position (extraction) mantle has a built-in electronic controller and offers a choice of heater only (HM-200) or heater/stirrer (SHM-200) combination.

Additional Features for SHM-200 series models

- Allow the solution to be stirred and heated simultaneously
- Provide stirring speeds of between 50 to 1000rpm
- One stirring control operates each set of three recesses



EH-200 Series Extraction Heaters

Specifications

Model no.	EH-200
Temperature range	550 to 800 °C (1022 to 1472 °F)
Construction	Stainless steel case with ceramic fiber mineral wool thermal insulation
Warranty	3 years



Run several projects simultaneously using these EH-200 multiposition macro-Kjeldahl extraction heaters. Heaters are available with two or six individually controlled heating mantles that accommodate either 100 to 300 ml vessels or 500 to 800 ml vessels. Back-mounted brackets hold flask support rods up to 12.7 mm in diameter.

Each heating mantle has its own energy regulator incorporating an On/Off switch and a "Mains to Heater" amber neon indicator. There is also a "Mains On" clear neon indicator on the front panel. The lower part of the unit houses dedicated controllers for each well. This "cool zone" housing is separated from the heating elements by a stainless steel screen and a well-ventilated air space. The heating element consists of thermally insulated element wire stitched into a cartridge, and operates up to a maximum element temperature range of 800 °C (1472 °F).

These EH-200 heaters incorporate an earth screen to protect the user from electric shocks and are double-fused for extra safety (except for 03075-18). The rugged stainless steel outer casing is durable and easy to clean.

Ordering Information

No. positions	Flask volume	Well size (D x dia)	Dimensions (W x H x D)	Electrical	Double fused	CE marked	Item no.	Series no.	Model no.	LegacySKU
2	10010 300 ml	4.5 x 8.9 cm (1.8 x 3.5 in)	32.0 x 16.5 x 26.0 cm (12.6 x 6.5 x 10.2 in)	115 VAC, 50/60 Hz, 600 W, US plug	Yes	No	03075-00	EH-200	EH-200-2-115	MQ3822B/EX1
				230 VAC, 50/60 Hz, 600 W, UK plug	Yes	Yes	03075-02	EH-200	EH-200-2	MQ3822B/EX
				230 VAC, 50/60 Hz, 600 W, EU plug	Yes	Yes	03075-04	EH-200	EH-200-2-EU	MQ3822B/EX6
2	500 to 800 ml	5.9x11.7 cm (2.3 x 4.6 in)	32.0 x 16.5 x 26.0 cm (12.6 x 6.5 x 10.2 in)	115 VAC, 50/60 Hz, 1100 W, US plug	Yes	No	03075-06	EH-200	EH-200-2-I-115	MQ3824B/EX1
				230 VAC, 50/60 Hz, 1100 W, UK plug	Yes	Yes	03075-08	EH-200	EH-200-2-I	MQ3824B/E
				230 VAC, 50/60 Hz, 1100 W, EU plug	Yes	Yes	03075-10	EH-200	EH-200-2-I-EU	MQ3824B/EX6
6	10010 300 ml	4.5 x 8.9 cm (1.8 x 3.5 in)	97.0 x 16.5 x 26.0 cm (38.2 x 6.5 x 10.2 in)	115 VAC, 50/60 Hz, 1800 W, hard wired (no cable)	Yes	No	03075-12	EH-200	EH-200-6-115	MQ3866B/EX1
				230 VAC, 50/60 Hz, 1800 W, UK plug	Yes	Yes	03075-14	EH-200	EH-200-6	MQ3866B/E
				230 VAC, 50/60 Hz, 1800 W, EU plug	Yes	Yes	03075-16	EH-200	EH-200-6-EU	MQ3866B/EX6
6	500 to 800 ml	5.9x11.7 cm (2.3 x 4.6 in)	97.0 x 16.5 x 26.0 cm (38.2 x 6.5 x 10.2 in)	115 VAC, 50/60 Hz, 3800 W, hard wired (cable supplied)	No	No	03075-18	EH-200	EH-200-6-I-115	MQ3868B/EX1
				230 VAC, 50/60 Hz, 3800 W, hard wired (no cable)	Yes	Yes	03075-22	EH-200	EH-200-6-I	MQ3868B/E
				230 VAC, 50/60 Hz, 3800 W, hard wired (cable supplied)	Yes	Yes	03075-20	EH-200	EH-200-6-I-EU	MQ3868B/EX6

Cole-Parmer®

EH-200 Series Micro-Kjeldahl Extraction Heater

- Six-position heater allows for single or multiple digestions
- Rugged stainless steel construction is durable and easy to clean
- Independent heat controllers let you adjust the temperature of each mantle individually
- Accommodates flask sizes from 18 to 50 ml
- 3-year warranty



Optional fume collection tube 03074-99



EH-200 micro-Kjeldahl extraction heater
(flasks not included)

Specifications

Model no.	EH-200
Number of positions	6
Flask volume range	18 to 50 ml
Temperature range	550 to 800 °C (1022 to 1472 °F)
Construction	Stainless steel case with ceramic fiber mineral wool thermal insulation
Dimensions (H x W x D)	52.0 x 16.2 x 16.0 cm (20.5 x 6.4 x 6.3 in)
Power (wattage)	600 W
Warranty	3 years

EH-200 Series Extraction Heater

This EH-200 six-position extraction heater is designed for Kjeldahl digestion on a micro scale-accommodating up to six round-bottom flasks between 18 to 50 ml in size. Each mantle has an independent heater with control dial, on/off switch, and indicator light, and operates up to a maximum element temperature of 800 °C.

The lower part of the unit containing the control equipment is safely separated from the upper heating elements by a stainless steel screen and well-ventilated air space. Unit is double fused on the supply line and neutral for extra safety.

Heater includes two support rods that can be mounted on the sides to hold the optional fume collection tube; the tube lets you safely collect and exhaust fumes when not operating the heater under a fume hood.

Ordering Information

Description	Item no.	Series no.	Model no.	LegacySKU
Micro-Kjeldahl extraction heater, 115 VAC, 50/60 Hz, US plug	03074-30	EH-200	EH-200-M-6-115	MM2313/EX1
Micro-Kjeldahl extraction heater, 230 VAC, 50/60 Hz, UK plug	03074-32	EH-200	EH-200-M-6	MM2313/E
Micro-Kjeldahl extraction heater, 230 VAC, 50/60 Hz, EU plug	03074-34	EH-200	EH-200-M-6-EU	MM2313/EX6

Accessories

Description	Item no.	Series no.	Model no.	Legacy SKU
Fume collection tube, glass	03074-99	EH-200	N/A	AT4001

Cole-Parmer® HM-200 Series Multiposition Extraction Heaters



Allows liquids with different boiling points to be heated next to each other

- Unique vented airflow ensures the case remains "cool-to-the-touch"
- Heat your solutions simultaneously in each position
- Robust construction permits continuous operation of the mantles as required by routine extraction tests

Regulating the heat on these multiposition extraction mantles is simple using the built-in solid-state electronic controls. The units accept round-bottom flasks ranging from 100 to 1000 mL. Select an extraction heater depending on the size of your flask.

Extraction heaters feature an independent heater per mantle, allowing liquids with different boiling

points to be heated alongside each other. Each heater has its own control dial and on/off indicator light, and can reach up to a maximum element temperature of 450°C (842°F).

The control panel is safely separated from the heating elements by a well-ventilated air space. A quartz heating element is housed in a thermally insulated cartridge for easy replacement, extending the life of the heater. Powder-coated aluminum surfaces and polypropylene top cover ensure good chemical resistance and easy cleanup.

item	Max Flask Size (mL)	Number of Positions	Power (VAC)
 EW-03076-00	100	3	115

item	Max Flask Size (mL)	Number of Positions	Power (VAC)
 EW-03076-01	100	3	230
 EW-03076-03	250	3	115
 EW-03076-04	250	3	230
 EW-03076-06	500	3	115

item	Max Flask Size (mL)	Number of Positions	Power (VAC)
 EW-03076-07	500	3	230
 EW-03076-09	1000	3	115
 EW-03076-10	1000	3	230
 EW-03076-24	100	6	115

item	Max Flask Size (mL)	Number of Positions	Power (VAC)
 EW-03076-25	100	6	230
 EW-03076-27	250	6	115
 EW-03076-28	250	6	230
 EW-03076-30	500	6	115

item	Max Flask Size (mL)	Number of Positions	Power (VAC)
 EW-03076-31	500	6	230
 EW-03076-33	1000	6	115
 EW-03076-34	1000	6	230



Cole-Parmer AT4001 Fume Collection Tube for Micro-Kjeldahl Extraction Heaters

Cole-Parmer – Item # EW-03074-99

Ensure safety with fume collection

1 year warranty

Previous part number AT4001

Specifications & Description

Material	Glass
Compatible With	Micro-kjeldahl extraction heaters 03074-30, 03074-32, and 03074 -34
Description	Fume Collection Tube for Micro-Kjeldahl Extraction Heaters
Warranty	1 year

1
YEAR
Warranty

MORE ABOUT THIS ITEM

Use gas tube to safely collect and exhaust fumes when not operating the micro-Kjeldahl extraction heater under a fume hood.

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