

M top loading kiln

up to 1320 °C

LAC

This top loading kiln has been a proven choice for years, for both „hobby“ ceramics and professional ceramicists who require top loading. Its circular shape and design ensure an even temperature distribution in the working chamber, improving the quality of firing and extending the life of the kiln. The use of top-quality insulation materials reduces electricity consumption. The lid with gas struts and good workshop quality contribute to safe and reliable operation. The kiln shell is made from brushed stainless steel sheet and the temperature controller can be selected from the available options.

Well-designed construction that significantly affects the price

Top-quality insulation materials reduces electricity consumption

Even temperature rise and distribution throughout the kiln volume



HTH8



Bentrup

Selectable temperature controller with high accuracy

KILN EQUIPMENT

- Holder for fixing the temperature controller and selected type of programmable temperature controller (HTH8 or Bentrup)
- Resistance heating (coils) inserted into horizontal grooves in the side walls
- Stable suspension of the kiln lid with gas strut and lid limit switch for safe opening of the kiln
- "S" type thermocouple
- Contactless switching relay (smooth and noise-free operation, minimal interference with surrounding equipment)
- Ventilation chimney preventing condensation of vapours during firing
- Manually operated flap for controlling the air supply in the bottom of the furnace



Simple operation and installation



Selected furnaces immediately in stock



Shipment from 3 weeks



Warranty 36 months



Instant technical support

TECHNICAL PARAMETERS

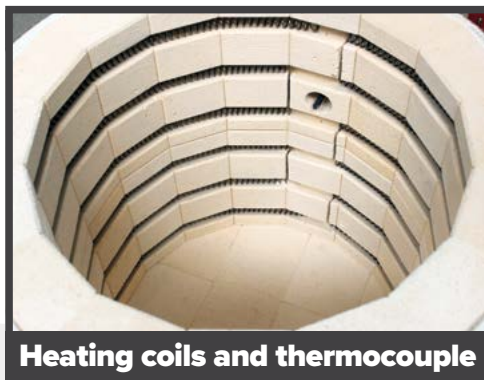
M top loading kilns are manufactured in a comprehensive series of 7 sizes (38-226 l) with a supply voltage of 230 V and 400 V. Electric resistance heating is provided by heating coils inserted into horizontal grooves in the bricks of the kiln shell.

Type	Tmax**	Recommended operating temperature range	Volume	External dimensions (D×d×h)*	Internal dimensions (D×h)	Heating power	Weight	Power socket	Protection	Voltage
	°C	°C	l	mm	mm	kW	kg	type	A	V
M 30/13	1320	700-1250	38	560×724×620	374×345	3,5	60	Schuko	16/1	230
M 45/13	1320	700-1250	46	598×764×620	412×345	3,5	68	CEE16A	16/3	400
M 45/13 (230V)	1320	700-1250	46	598×764×620	412×345	3,5	68	Schuko	16/1	230
M 60/13	1320	700-1250	61	598×764×730	412×458	5,5	71	CEE16A	16/3	400
M 60/13 (230V)	1320	700-1250	61	598×764×730	412×458	3,5	71	Schuko	16/1	230
M 100/13	1320	700-1250	108	729×901×730	550×458	7,5	100	CEE16A	16/3	400
M 150/13	1320	700-1250	150	824×998×730	647×458	8,5	120	CEE16A	16/3	400
M 160/13	1320	700-1250	164	729×901×961	550×690	9,5	122	CEE16A	16/3	400
M 220/13	1320	700-1250	226	824×998×961	647×690	11	145	CEE16A	16/3	400

* D – diameter of the cylindrical body of the kiln, d – depth including electrical space, h – height of closed kiln including legs without wheels.
 ** Tmax is the maximum temperature which can be attained by the kiln, but is not suitable for long-term operation.



Lid with a gas struts



Heating coils and thermocouple



Sheet and electrospacings

MEASUREMENT AND CONTROL

M top-loading kilns are equipped with high-quality program PID controllers of the HTH8 or Bentrup type. The listed types of regulators are devices controlled by microprocessors that meet all requirements for temperature regulation and security of electrothermal devices. The temperature in the kiln is sensed by an S-type thermocouple.

<p>Ht40AL HTH8</p> <p>1 program: 2x run-up 2x dwell</p>	<p>HtCeramic HTH8</p> <p>20 programs 15 steps each</p>	<p>TC75 Bentrup</p> <p>6 programs 4 steps each</p>	<p>TC95 Bentrup</p> <p>20 programs 20 steps each</p>
<ul style="list-style-type: none"> - Delayed start of the program 	<ul style="list-style-type: none"> - Real time clock with the possibility to program the start of the program - Datalogger 500 records 	<ul style="list-style-type: none"> - Delayed start of the program - USB interface with data collection (datalogger) - Wi-fi access 	<ul style="list-style-type: none"> - LCD display 2.8" - Delayed start of the program - USB interface with data collection (datalogger) - Wi-fi access

RECOMMENDED ACCESSORIES AT AN ADDITIONAL COST

Double rotating wheels with brake for easy handling of the kiln.

Firing aids

There are various firing aids available which serves for better utilisation of the internal kiln space. Interlayer plates are used to protect the kiln bottom or as interlayer plates for firing on multiple floors (cordierite-mullite material). Ceramic interlayer spacing columns are used to build the floors.



Interlayer plates and spacing columns, wheels



ART OF HEATING

LAC, s.r.o.
 Topolová 933
 667 01 Židlochovice
 Czech Republic

phone: +420 547 230 016
 e-mail: info@lac.cz
 www.lac.cz