

## JMM SERIES

SIDE DOOR · REFINED DESIGN · CERAMIC FIBER INSULATION (1600, 300/400)

### Economic high temp. muffle furnaces · 1600°C

#### STANDARD FEATURES

- CE manufactured
- Maximum operating temperature: 1600°C
- Rapid heating
- Compact and lightweight
- 24/7 continuous work capability
- Heated by KANTHAL SiC
- Low thermal mass insulation
- Built with low density ceramic bricks and ceramic fiber
- Double insulation includes air chamber
- Outer case in painted metal sheet (inox optional)
- Top ventilation via ceramic chimney
- Thermocouple type S
- Spare parts easily replaceable by end user

#### FURNACE CONTROLS

- Lower front control panel
- Solid state relay
- General safety switch
- General safety contactor
- **PAD Digital control**
  - PID parameters
  - Non-volatile memory
  - Microprocessor-based temperature controls
  - Alarm

#### CONTROL OPTIONS

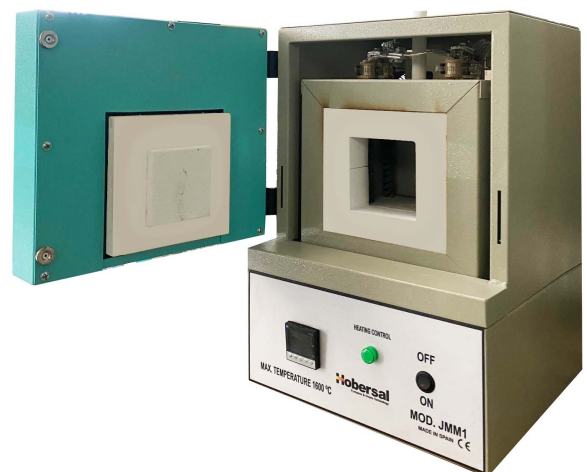
- Programmers up to 64 segments
- Eurotherm EPC Series 10 progs / 25 segments - Data logger and programmer communication tools by Ethernet (Optional)
- Eurotherm Nanodac - Data logger and programmer communication tools by Ethernet according AMS2750E and 21CFR Part 11 (Optional)

#### SAFETY SHUT-OFF

- Thermocouple break shut-off

#### ACCESSORIES

- Interchangeable temperature-uniform trays with rim
- Refractory ceramic tray
- Incoloy stainless steel tray
- Smoke chimney
- Forced smoke chimney
- Safety alarm Class II. Over-temperature protection
- Inlet gas entry
- Flow meter box
- and more, ask for our full assortment!



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### CHARACTERISTICS

- Modern design metal case with chrome-phosphatizing base protection and external finish with heat-resistant metal paint.
- Refractory parts engineered to resist extreme temperature changes, and specific ceramic paste types applied according to temperature and work fatigue of each part.
- Heat resistance in refractory insulation of very low thermal conductivity coefficient.
- Door system adjusted on the furnace frame by pressure, allowing for complete sealing. Electrically and thermally insulated door handle.

### ACCESSORIES

- Extraction Chimney: Self-extraction design to eliminate smoke in processes that produce smoke in a considerable amount or when smoke extraction is advisable due to the nature of the process. Chimney outlet connection to a smoke bell or to the exterior by end user.
- Forced air extraction chimney: Specially designed for a forced self-extraction to evacuate smoke fast
- Bottom trays: Interchangeable, temperature uniform, with rim to protect against spilling, fusion or adherence of materials.

Fully customized solutions by request  
We reserve the right to change technical specifications

### SPECIFICATIONS

Model	Inner dimensions mm			Outer dimensions mm			Volume Liters	Power Kw	Voltage V	Maximum Temperature ° C	Maximum Temperature ° C limited time	Maximum Temperature Continuous °C	Termo- couple	Control Type	Heating Elements
	High	Wide	Deep	High	Wide	Deep									
JMM1/16	100	100	100	515	350	350	1	2	220	1600	1500	1450	S	R. Prog	Kanthal SiC
JMM3/16	130	130	210	545	440	460	3	4	220	1600	1500	1450	S	R. Prog	Kanthal SiC
JMM6/16	150	150	230	560	450	480	6	6	220	1600	1500	1450	S	R. Prog	Kanthal SiC

