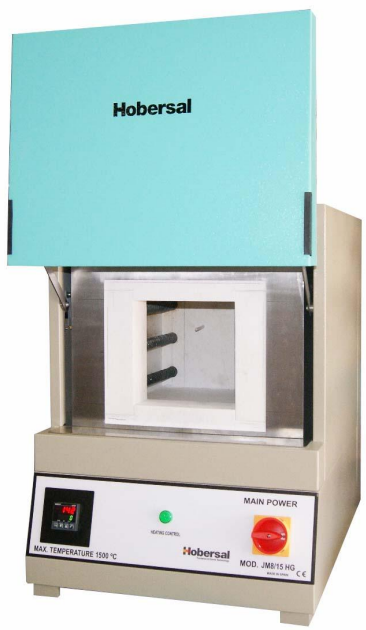
JM SERIES

VERTICAL PARALLEL LIFT DOOR · REFINED DESIGN · CERAMIC FIBER INSULATION (1600, 300/400)

High Quality 24/7 Continuos-T° Muffle Furnaces · 1600ºC

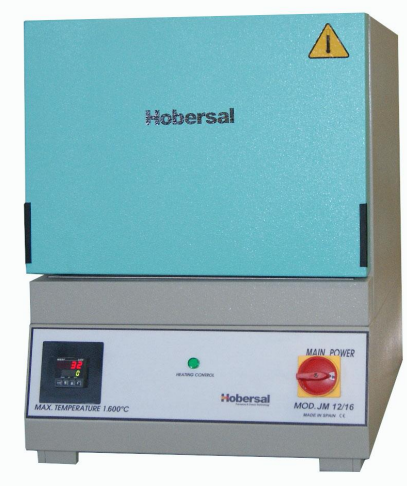
STANDARD FEATURES

- CE manufactured
- Maximum operating temperature: 1600°C
- Rapid heating
- Compact and lightweight
- 24/7 continuous work capability
- Heating elements KANTHAL SiC
- Low thermal mass insulation
- Built with low density ceramic fiber
- Double insulation includes air chamber
- Outer case in painted metal sheet (inox optional)
- Rear 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 Itools by Ethernet (Optional)
- Eurotherm Nanodac - Data logger and programmer communication Itools by Ethernet according AMS2750E and 21CFR Part 11 (Optional)

SAFETY SHUT-OFF

- Thermocouple break shut-off
- Turns off upon door opening

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 fastat resistance in refractory insulation of very low thermal conductivity coefficient.
- Bottom trays: Interchangeable, temperature uniform, with rim to protect against spilling, fusion or adherence of materials.

SPECIFICATIONS

Fully customized solutions by request

We reserve the right to change technical specifications

1600ºC Specifications Data-sheet

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	Deepth	High	Wide	Deepth									
JM3-16	120	120	250	680	480	830	3	6	220	1600	1550	1500	S	R. Prog	Kanthal SiC
JM6-16	150	150	250	700	520	830	6	8	220	1600	1550	1500	S	R. Prog	Kanthal SiC
JM8-16	170	170	250	720	550	830	8	8	220	1600	1550	1500	S	R. Prog	Kanthal SiC
JM10-16	200	200	250	750	580	830	10	8	220	1600	1550	1500	S	R. Prog	Kanthal SiC
JM12-16	200	200	300	750	580	750	12	10	220	1600	1550	1500	S	R. Prog	Kanthal SiC
JM15-16	250	250	250	970	580	750	15	10	220	1600	1550	1500	S	R. Prog	Kanthal SiC
JM19-16	250	250	300	970	580	770	19	10	380V III	1600	1550	1500	S	R. Prog	Kanthal SiC
JM22-16	250	300	300	980	640	860	22	10	380V III	1600	1550	1500	S	R. Prog	Kanthal SiC
JM30-16	250	300	400	960	640	870	30	10	380V III	1600	1550	1500	S	R. Prog	Kanthal SiC
JM38-16	250	300	500	960	640	970	38	15	380V III	1600	1550	1500	S	R. Prog	Kanthal SiC

External dimensions vary when furnace is equipped with additional equipment. Dimensions on request