

MF SERIES

VERTICAL PARALLEL LIFT DOOR · REFINED DESIGN · CERAMIC FIBER INSULATION (1200/1400, 300/400)

High Quality 24/7 Continuous-T° Muffle Furnaces · 1000°C - 1200°C - 1300°C

STANDARD FEATURES

- CE manufactured
- Maximum operating temperature: 1000°C - 1200°C - 1300°C - 1400°C
- Rapid heating
- Compact and lightweight
- 24/7 continuous work capability
- 4 heating plates with KANTHAL AF
- 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)
- Rear ventilation via ceramic chimney
- Ceramic tray included
- Thermocouple type K or 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

- 1 program / 8 segments programmer
- 4 program / 15 segments programmer
- Programmers up to 64 segments
- Data logger and programmer communication by Ethernet/ RS232

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

1400°C Available

Code	Reference	Inner dimensions mm			Outer dimensions mm			Volume Liters	Power Kw	Voltage V	Maximum Temperature ° C	Maximum Temperature ° C on work limited	Maximum Temperature ° C Continuous	Net Weight Kgr	Termo- couple	Control Type	Heating Elements	Heating Zones
		H	W	D	H	W	D											
300200310	MF3-104	100	150	200	600	430	425	3	2,2	220	1000	950	900	60	K	Digital	Wire Kanthal	4
300200910	MF9-102	150	200	300	660	480	525	9	2,5	220	1000	900	-----	65	K	Digital	Wire Kanthal	2
300400910	MF9-104	150	200	300	660	480	525	9	3,3	220	1000	950	900	70	K	Digital	Wire Kanthal	4
300401210	MF12-104	150	200	400	660	480	625	12	3,3	220	1000	950	900	80	K	Digital	Wire Kanthal	4
300201210	MF12-144	150	200	400	660	480	625	12	3	220	1400	1300	1200°C	75	S	Digital	Wire Kanthal	4
300202210	MF22-102	200	280	390	750	580	625	22	3,5	220	1000	900	-----	95	K	Digital	Wire Kanthal	2
300402210	MF22-104	200	280	390	750	580	625	22	5,5	220	1000	950	900	100	K	Digital	Wire Kanthal	4
300400312	MF3-124	100	150	200	600	430	425	3	3,3	220	1200	1150	1100	60	K	Digital	Wire Kanthal	4
300200912	MF9-122	150	200	300	660	480	525	9	3	220	1200	1100	-----	65	K	Digital	Wire Kanthal	2
300400912	MF9-124	150	200	300	660	480	525	9	5,5	220 220 III 380 III	1200	1150	1100	70	K	Digital	Wire Kanthal	4

Code	Reference	Inner dimensions mm			External dimensions mm			Volume Liters	Power Kw	Voltage V	Maximum Temperature ° C	Maximum Temperature ° C on work limited	Maximum Temperature ° C Continuous	Net Weight Kgr	Termo- couple	Control Type	Heating Elements	Heating Zones
		H	W	D	H	W	D											
300401212	MF12-124	150	200	400	660	480	625	12	5,5	220 220 III 380 III	1200	1150	1100	80	K	Digital	Wire Kanthal	4
300201212	MF12-122	150	200	400	660	480	625	12	4	220	1200	1100	-----	75	K	Digital	Wire Kanthal	2
300202212	MF22-122	200	280	390	750	580	625	22	4,5	220	1200	1100	-----	95	K	Digital	Wire Kanthal	2
300402212	MF22-124	200	280	390	750	580	625	22	8	220 220 III 380 III	1200	1150	1100	100	K	Digital	Wire Kanthal	4
300400313	MF3-134	100	150	200	600	430	425	3	3,3	220	1300	1250	1100	60	S	Digital	Wire Kanthal	4
300200913	MF9-132	150	200	300	660	480	525	9	3	220	1300	1250	-----	65	S	Digital	Wire Kanthal	2
300400913	MF9-134	150	200	300	660	480	525	9	5,5	220 220 III 380 III	1300	1250	1100	70	S	Digital	Wire Kanthal	4
300401213	MF12-134	150	200	400	660	480	625	12	5,5	220 220 III 380 III	1300	1250	1100	80	S	Digital	Wire Kanthal	4
300201213	MF12-132	150	200	400	660	480	625	12	4	220	1300	1250	-----	75	S	Digital	Wire Kanthal	2
300202213	MF22-132	200	280	390	750	580	625	22	4,5	220	1300	1250	-----	95	S	Digital	Wire Kanthal	2
300402213	MF22-134	200	280	390	750	580	625	22	8	220 220 III 380 III	1300	1250	1100	100	S	Digital	Wire Kanthal	4
	MF30-104	250	280	390	800	580	625	30	8	220 220 III 380 III	1000	950	900		K	Digital	Wire Kanthal	4
	MF30-124	250	280	390	800	580	625	30	8	220 220 III 380 III	1200	1150	1100		K	Digital	Wire Kanthal	4
	MF30-134	250	280	390	800	580	625	30	8	220 220 III 380 III	1300	1250	1100		S	Digital	Wire Kanthal	4