

**Anexa 26, Cuptor de calcinare cu muflă pentru laborator**  
**MF 110**  
**Nuve, Turcia**

Specificarea tehnică deplină solicitată, Standarde de referință	Specificarea tehnică deplină oferita, Standarde de referință
<p>Descriere: Cuptor de calcinare cu muflă, universal, precis, pentru tratamentul termic al materialelor, incinerarea probelor ceramic și sticlă.            Camera din fibră ceramică formată în vid.            Parametru Specificație            Încălzire din 4 direcții            Temperatura: Reglabilă în intervalul +10...1100°C</p> <p>Controler de temperatura PID cu microprocesor, poate memora 2 parametri/pași (temperatura și timpul de menținere)</p> <p>Mod de lucru Timpul de lucru cu setare, oprire automată            Mecanism de pornire/oprire la închiderea/deschiderea ușii manual sau automat            Ușa cu închidere ermetică            Nivel de precizie: ± 10°C            Volum ≥ 9 litri            Sistem de ventilație pentru eliminarea gazelor, fumului și a umidității            Vizor (pentru observarea culorii proceselor care au loc în interior)            Afișaj Cu indicarea temperaturii de lucru setată și cea reală din incinta, precum și timpul rămas, oprire automată            Alarmă acustică            Putere: ≥ 1,8 kW            Alimentare 220 V, 50 Hz            Accesorii:            Placă de ceramică</p>	<p>Descriere: Cuptor de calcinare cu muflă, universal, precis, pentru tratamentul termic al materialelor, incinerarea probelor ceramic și sticlă.            Camera din placă din fibră și cărămidă refractară            Parametru Specificație            Încălzire din 2 direcții            Temperatura: Reglabilă în intervalul +500...1100°C            Temperatura de operare continua: 1050°C            Controler de temperatura PID cu microprocesor, poate memora 2 parametri/pași (temperatura și timpul de menținere)- a fost inclusa optiunea sistem de control al programelor MF XXX 20 20 (fiecare program are 40 de pași)</p> <p>Mod de lucru Timpul de lucru cu setare, oprire automată            Mecanism de pornire/oprire la închiderea/deschiderea ușii manual sau automat            Ușa cu închidere ermetică            Nivel de precizie: ± 10°C            Volum 10 litri            Sistem de ventilație pentru eliminarea gazelor, fumului și a umidității            Nu are Vizor (pentru observarea culorii proceselor care au loc în interior)            Afișaj Cu indicarea temperaturii de lucru setată și cea reală din incinta, precum și timpul rămas, oprire automată            Alarmă acustică            Putere: 3,0 kW            Alimentare 220 V, 50 Hz            Accesorii:            Placă de ceramică</p>



# MF SERIES

## Muffle Furnace

MF Series General Purpose Furnaces have maximum operating temperatures of 1100°C, 1200°C and 1300°C and can be used for a wide range of applications in many different sectors such as metal, ceramic and food industry, jewelry and dentistry. Their perfect design is ideal for;

- Ashing organic and inorganic samples
- Firing and sintering of ceramics, stoneware and porcelain
- Melting, annealing, hardening, tempering, stress relieving and heat treatments of ferrous and non-ferrous metals
- Thermal aging
- Chemical decomposition
- Thermal shock testing
- High temperature tests of components or fishing products



The chamber of MF Series Furnaces is made of vacuumed fiber board and refractory bricks. Refractory bricks are used for the bottom of the chamber and at the front of the chamber since those surfaces are subjected to more chemical and mechanical effects. Heating elements are coiled around the ceramic tubes and placed on the two sides of the chamber to ensure very good temperature uniformity and fast heating. Another advantage is the assembly system of the heaters which is very easy and economic to replace of the heaters in case of the failure.

By means of the high grade insulation made of fiber board, very good temperature homogeneity is obtained in the chamber. In addition to the insulation, double enveloped design with air gap between insulated chamber and the outer body keeps the outer body at low temperatures.

Counter balanced lid is opened upwards and keeps the hot surface of the lid away from the operator for safe and easy loading and unloading. As another safety feature, there is a switch which cuts off the power of the heaters when lid is opened.

The chimney for discharging the vapors occurring during the operation is offered as standard.

MF Series Furnaces are equipped with PID microprocessor control system which has temperature displays for actual and set temperatures. The control system gives an alarm in case of temperature sensor failure and stops heating if temperature exceeds the maximum set temperatures of the furnace.

Depending on the different performance needs, two more control systems are offered as option: Control systems with two steps and six steps. While it is possible to program only one heating ramp and one dwell for control system with two steps, it is possible to program totally six steps including heating ramps and dwells for control system with six steps. Those optional control systems have 3600 minute timer for each step and delayed start timer can be programmed up to 3600 minutes as well.

## TECHNICAL SPECIFICATIONS

	MF 106	MF 110	MF 205	MF 207	MF 306
Maximum temperature	1100°C		1200°C		1300°C
Continuous operating temperature	1050°C		1150°C		1250°C
Chamber volume,liters	6,3	10	5	7	6,3
Control system	PID Microprocessor control system				
Temperature set and display sensitivity	1°C				
Internal material	Fiber board and refractory brick				
External material	Electrostatic powder coated steel				
Time to maximum temperature, minutes	65	55	50	60	65
Power consumption, Watt	2000	3000	2000	2000	2500
Power supply	230 V, 50/60 Hz				
Internal dimensions (WxDxH) mm	210x200x150	200x250x200	180x200x140	200x250x140	200x250x140
External dimensions (WxDxH) mm	550x580x650	560x670x720	550x580x650	550x580x650	550x580x650

### OPTIONS

MF XXX (T) Timer-3600 minutes

MF XXX (2) Control system with two steps

MF XXX (6) Control system with six steps



**NÜVE SANAYİ MALZEMELERİ İMALAT VE TİCARET A.Ş.**

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ISO 9001: 2008  
ISO 13485: 2003 



CERTIFICATE

# NÜVE SANAYİ MALZEMELERİ İMALAT VE TİCARET ANONİM ŞİRKETİ

Saracalar Mahallesi Saracalar Kümeevleri No: 4/2 Akyurt Ankara, Türkiye

**Design, Manufacture, Sales And After Sales Services Of Laboratory  
And Sterilization Equipments**

with a scope of

## ISO 9001:2015

Has established a quality management system in accordance  
with international standard.

*"Following elements of the standard are excluded"*  
*"None"*

Certificate No : M 8215  
Initial Certification Date : 28 April 2010  
Certification Date : 30 January 2025  
Expiration Date : 29 January 2028

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Certificate is valid till expiration date,  
subject to successful completion of  
periodical surveillance audits.  
Please contact above numbers for  
detailed information.

General Manager



TÜRKAK BDS NO  
YS-A194-43FA

# NÜVE SANAYİ MALZEMELERİ İMALAT VE TİCARET ANONİM ŞİRKETİ

Saracalar Mahallesi Saracalar Kümeevleri No: 4/2 Akyurt Ankara, Türkiye

**Design, Manufacture, Sales And After Sales Services Of Laboratory  
And Sterilization Equipments**

with a scope of

## EN ISO 13485:2016

Has established a management system in accordance  
with international Medical Devices Quality Management System Standard

*"Following elements of the standard are excluded"*

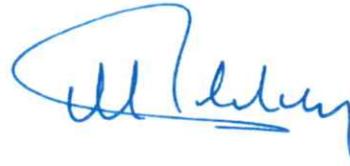
*"7.5.5" "7.5.7" "7.5.9.2"*

Certificate No	: M 8216
Initial Certification Date	: 28 April 2010
Certification Date	: 30 January 2025
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subject to successful completion of  
periodical surveillance audits.  
Please contact above numbers for  
detailed information.



General Manager



TÜRKAK BDS NO  
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