



muffle furnaces SERIES642

NAHITA

Muffle furnaces series 642

The muffle furnace Nahita are designed to drying or calcination of substances, for melting metals, heat treatments or for cook ceramic material at high temperatures. The Serie 642 furnaces are able to reach a maximum temperature of 1200°C and a punctual working temperature of 1100°C (they are not recommended to continued work at maximum temperature). Muffle furnaces of Serie 642 are useful for routine work in control laboratories, research, dental prostheses, jewelries, or ceramic industry. Together with muffle furnaces we offer the accessories that will allow a greater professionalism and safety in your daily work with the programing ramps or exhaust chimneys. Our muffle furnaces are regulated by a digital pyrometer with parameters PID providing

a greater precision of the temperature. This allow to reach and maintain the target temperature avoiding thermal fluctuations.

The programing ramp allow you program work sequences with different temperatures and working times. We have available two ramps: one with 1 program and 8 steps and another one with 4 programs and 16 steps. The extraction chimney to exhaust the fumes and steam on the drying or firing of substances where harmful substances to human health could be released.



CODE - JBP001 model 642/3



CODE - JBP002 model 642/6



CODE - JBP003 model 642/8



CODE - JBP004 model 642/12



CODE - JBP005 model 642/16

muffle furnaces series 642 features

Muffle furnaces series 642

- [01]** Outer metal housing with epoxy pain protective
- [02]** Inner built with low density refractory bricks and isolating fibers that provides great temperature uniformity.
- [03]** Three heating plates with KANTHAL AF thread resistances on the bottom and on the 2 sides, covered and protected.
- [04]** Minimum heat loss and external temperature.
- [05]** Hermetic door closure, brick over brick.
- [06]** Drop down door that allow loading and removal the materials easily (except 642/16).
- [07]** Furnace control placed in the lower part (except 642/16).
- [08]** Regulated by solid state relay avoiding metallic noise.
- [09]** Digital automatic pyrometer regulation, microprocessor, alarm, PID parameters and non-volatile memory.
- [10]** Safety device to disconnect the furnace by thermocouple break.
- [11]** Accessories: regulation ramps: 1 program of 8 steps or 4 programs of 16 steps; smoke extractor chimney, forced smoke extractor chimney.

Code	Description
JBR001	Ramp programmer, 1 program with 8 segments
JBR002	Ramp programmer, 4 programs with 15 segments
JBR003	Chimney extractor
JBR004	Forced chimney extractor
JBR005	Oven floor cerramic tray for JBP001
JBR006	Steel refractory tray for JBP001
JBR007	Oven floor cerramic tray for JBP002
JBR008	Steel refractory tray for JBP002
JBR009	Oven floor cerramic tray for JBP003
JBR010	Steel refractory tray for JBP003
JBR011	Oven floor cerramic tray for JBP004
JBR012	Steel refractory tray for JBP004
JBR013	Oven floor cerramic tray for JBP005
JBR014	Steel refractory tray for JBP005

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muffle furnaces series 642: technical specifications

Code	JBP001	JBP002	JBP003	JBP004	JBP005
Model	642/3	642/6	642/8	642/12	642/16
Capacity	3.6 L	6 L	7.6 L	12 L	18 L
Maximum temperature (T ^a max)	1200°C				
T ^a max limited working	1100°C				
T ^a max continued working	No recommended				
Homogeneity	± 5 °C				
Stability	± 1 °C				
Potency (W)	1200W	2000W	3800W	3800W	4500W
Thermocouple	Type K				
Control	Digital				
Heater	Thread Kanthal AF				
Heating place	2	3	3	2	3
Door	Down door	Down door	Down door	Down door	Side door
Controlador	Bottom	Bottom	Bottom	Bottom	Side
Inner camera (AxAnxF)	120x150x200 mm	150x200x200 mm	160x200x240 mm	200x250x280 mm	230x260x300 mm
Outer dimension	450x350x430 mm	400x500x450 mm	500x550x550 mm	490x440x500 mm	600x700x600 mm
Voltage (V)	220V				
Weight (kg)	30 Kg	45 Kg	45 Kg	45 Kg	60 Kg