HT-2/M/ZIRKON-120

EN

CLASSIC SPEED MoSi2 1650°C Ø120

- LCD display
- 30 programs capacity
- 4 heating stages
- 6 St. MoSi2 heating element
- Max. heating rate 99°C/min
- Linear cooling
- 3 service programs



7203000001 HT-2/M/ZIRKON-120 - Sintering furnace

MIHM-VOGT GmbH & Co. KG
Friedrich-List-Str. 8
76297 Stutensee-Blankenloch

TEL. +49 7244 70871-0
FAX +49 7244 70871-20
E-MAIL info@mihm-vogt.de
WEB www.mihm-vogt.de

MADE IN GERMANY

HT-2/M/ZIRKON-120



Technical information

Heating system

Process capability	SPEED, CLASSIC
Heating elements	6x MoSi2
Max. temperature	1650 °C
Thermocouple	PtRh-Pt, type S
Temperature accuracy	+/- 3 °C at 1500 °C
Heating-chamber capacity	3x sintering tray Ø=120/H=30mm, heating-chamber interior height: 105 mm

Program control

Program capacity	30
Number of programmable stages	4
Max. programmable heating rate	99 °C/min (SPEED program)
Min. programmable heating rate	1 °C/min
Special functions	pre-drying, heating-up ventilated, autostart timer
Service programs	Temperature control in conjunction with the test-kit
	Purge heating chamber
	Regenerate heating elements

Process times	CLASSIC	SPEED
Max. programmable heating rate	30 °C/min	99 °C/min
Shortest heating period to 1500 °C at 230 V	49 min	27 min
Shortest cooling period	67 min (down to 300 °C)	19 min (down to 750 °C)
Process duration	146 min (2,4 h)*	76 min (1,3 h)*

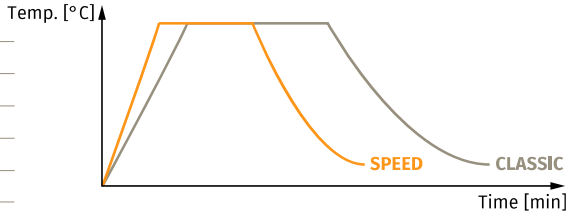
* **Process parameters**: Sinter temperature = 1500 °C, holding time = 30 min, 1x sintering tray

Technical data

HT-2/M/ZIRKON-120

Power max.	3800 W (3,8 kW)
Voltage range; frequency	200-240 V; 50/60 Hz
Weight	74 kg
Dimensions W/D/H	500/560/820 mm
Power consumption per cycle	2,3 kWh

Program curves



Scope of delivery

Sintering tools

8201000014	Sintering tray SPEED, 120/30; slotted (2x)
8203000003	Stacking disc, 120/15; for sintering tray
8201000004	Sintering granulate YTZ; 200g

Accessories

8202000018	rucible tongs 18/10, 120; bent
8202000008	Power cord EU, C19; 16A

Stand: 05/24 Revisionsnummer: V1.0 05/2024
Das Dokument wurde mit größter Sorgfalt erstellt, dennoch sind Änderungen und Irrtümer vorbehalten. Abbildungen ähnlich.