

Technical data

Details ✓ standard ✗ not compatible

Technical information				
Heating-chamber height	mm	45	75	105
Max. heating-chamber capacity	number of trays			
		1 x 100/30 mm	2 x 120/30 mm	3 x 120/30 mm
Heating system				
Process capability		CLASSIC	SPEED CLASSIC SPEED COOLING	SPEED CLASSIC
Max. temperature		1650°C	1650°C	1650°C
Heating elements	type	MoSi2	MoSi2	MoSi2
	number	4	4	6
Process times CLASSIC [1*]				
Max. programmable heating rate	°C/min	25	30	30
Shortest heating period to 1.500°C at 230V	min	61	49	49
Shortest cooling period to 300°C	min	148	47	67
Process duration (incl. holding time 30 min)	min(h)	239(4)	126(2,1)	146(2,4)
Process times SPEED [1*]				
Max. programmable heating rate	°C/min	✗	120	99
Shortest heating period to 1.500°C at 230V	min	✗	16	27
Shortest cooling period to 750°C	min	✗	8	19
Process duration (incl. holding time 30 min)	min(h)	✗	54(0,9)	76(1,3)
Program control				
7-segment LED		✓	✗	✗
4-lines LCD		✗	✓	✓
Number of programmable stages		9	9	4
Program capacity		9	30	30
	Number of customizable programs	9	30	30
Special programs				
Drying		✗	✓	✓
Heating-up ventilated		✗	✓	✓
Service programs				
A-Temperature control [2*]		✓	✓	✓
C-Purge heating chamber		✓	✓	✓
E-Regenerate heating elements		✓	✓	✓
Thermocouple				
PtRh-Pt, type S		✓	✓	✓
Special functions				
Pre-drying			✓	✓
Heating-up ventilated		✗	✓	✓
SPEED COOLING		✗	✓	✗
Timer		✓	✓	✓
Technical data				
Power max.	W	1500	3200	3800
Voltage range; frequency	V; Hz	220-240; 50/60	200-240; 50/60	200-240; 50/60
Weight	kg	55	60	74
Dimensions W/D/H	mm	400/400/600	390/500/790	500/560/820

[1*] Process values: Sintering temperature = 1500°C; holding time = 30min; 1 x sintering tray [2*] only in conjunction with test-kit



7201000000 TABEO-1/M/ZIRKON-100

Item No.	Description	Qty
8201000012	Sintering tray SPEED, 100/30; slotted	1
8201000007	Sintering tray lid, 100/4	1
8201000002	Sintering beads YTZ, 2.0; 200g	1
8202000003	Removal fork T-1	1
8202000009	Power cord USA, C19; 16A	1

7202000002 HTS-2/M/ZIRKON-120

Item No.	Description	Qty
8201000014	Sintering tray SPEED, 120/30; slotted (2x)	2
8203000002	Support disc, 120/15; for sintering tray	1
8203000003	Stacking disc, 120/15; for sintering tray	1
8201000004	Sintering granulate YTZ; 200g	1
8202000018	Crucible tongs 18/10, 120; bent	1
8202000009	Power cord USA, C19; 16A	1

7203000001 HT-2/M/ZIRKON-120

Item No.	Description	Qty
8201000014	Sintering tray SPEED, 120/30; slotted (2x)	2
8203000002	Support disc, 120/15; for sintering tray	1
8203000003	Stacking disc, 120/15; for sintering tray	1
8201000004	Sintering granulate YTZ; 200g	1
8202000018	Crucible tongs 18/10, 120; bent	1
8202000009	Power cord USA, C19; 16A	1

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MODEL OVERVIEW

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TABEO-1/M/ZIRKON-100



CAPACITY: 1 x 100 mm TRAY (20 UNITS)

- 4 pcs. - MoSi2 high purity molybdenum-disilicide heating elements
- Maximum temperature 1650 °C
- Program control
 - 7-segment LED
 - 9 stages
 - 9 programs capacity
 - Special functions
 - Maximum heating rate: 25 °C/min.
- Service programs
 - A - Temperature control*
 - C - Purge heating chamber
 - E - Regenerate heating elements
- Thermocouple PtRh-Pt, type S
- Temperature accuracy at 1500°C +/- 3°C
- Special function
 - Timer

* Only in conjunction with the test-kit



Technical data	TABEO-1/M/ZIRKON-100
Power max.	1500 W
Voltage range; frequency	220 –240 V; 50/60 Hz
Weight	55 kg
Dimensions W/D/H	400/400/600 mm

HTS-2/M/ZIRKON-120



CAPACITY: 2 x 120 mm STACKABLE TRAY (60 UNITS)

- Door lift
- 4 pcs. - MoSi2 high purity molybdenum-disilicide heating elements
- Maximum temperature 1650 °C
- Heating-chamber capacity 2x Ø 120/30 mm
- Program control
 - LCD-Display
 - 9 stages
 - 30 programs capacity
 - Special functions
 - Maximum heating rate: 120 °C/min.
- Service programs
 - A - Temperature control*
 - C - Purge heating chamber
 - E - Regenerate heating elements
- Thermocouple PtRh-Pt, type S
- Temperature accuracy at 1500 °C +/- 3 °C
- Special functions
 - Pre-drying
 - Heating-up ventilated
 - SPEED COOLING
 - Timer

* Only in conjunction with the test-kit



Technical data	HTS-2/M/ZIRKON-120
Power max.	3200 W
Voltage range; frequency	200 –240 V; 50/60 Hz
Weight	60 kg
Dimensions W/D/H	390/500/790 mm

HT-2/M/ZIRKON-120



CAPACITY: 3 x 120 mm STACKABLE TRAY (90 UNITS)

- Door lift
- 6 pcs. - MoSi2 high purity molybdenum-disilicide heating elements
- Maximum temperature 1650 °C
- Heating-chamber capacity 3x Ø 120/30 mm
- Program control
 - LCD-Display
 - 4 stages
 - 30 program capacity
 - Maximum heating rate: 99 °C/Min.
- Service programs
 - A - Temperature control*
 - C - Purge heating chamber
 - E - Regenerate heating elements
- Thermocouple PtRh-Pt, type S
- Temperature accuracy at 1500°C +/- 3°C
- Special functions
 - Pre-drying
 - Heating-up ventilated
 - Timer

* Only in conjunction with the test-kit



Technical data	HT-2/M/ZIRKON-120
Power max.	3800 W
Voltage range; frequency	200 –240 V; 50/60 Hz
Weight	74 kg
Dimensions W/D/H	500/560/820 mm