

Oven | muffle furnace

up to 1,000°C, Jog-Dial controller, 3 / 4.5 / 12 / 14 / 27 / 63 l, programmable

FP 1,000°C, programmable

Ideal for:

- ash-determinations, enameling, fusions, precipitate drying

Features:

- user's self-compensation function for temperature ($\pm 50.0^\circ\text{C}$)
- resolution: 1°C , 1 min
- ceramic fiber plate included
- powder-coated steel body, ceramic fiber insulation, ceramic fiber exposed heating wire interior with 4-sided heating
- backlight LCD display
- CE certified and unique serial number for tracing



Jog-Dial controller



4-sided heating

up to 1,000 °C
Jog-Dial
programmable

Safety mechanism:

- safety switch for door opening
- overheat and over-current protection
- sensor error detection

Controller:

- **Jog-Dial controller (PID)** with 2-way knob (turn and push), digital LCD with backlight, and two durable setting buttons
- programmable: 4 patterns with 10 segments



FP-14 with ceramic fiber plate (included)

Model	FP-03	FP-05	FP-12	FP-14	FP-27	FP-63
Capacity	3 l	4.5 l	12 l	14 l	27 l	63 l
Temperature range	300°C - 1000°C					
Heater	Kanthal A1, expose wire heating elements, 4-side heating					
Thermocouple	K-type thermocouple					
Heating power	1.4 kW	1.8 kW	3.6 kW	4.0 kW	4.6 kW	9 kW
Required time to reach 800°C	16 min		20 min		23 min	
Timer & alarm	99hr 59 min (delay & continuous run), error status and timer end					
Internal dimensions (W x D x H mm)	130x250x90	150x300x100	200x300x200	250x350x160	300x300x300	400x400x400
External dimensions (W x D x H mm)	410x480x530	440x530x550	500x550x660	550x580x620	600x590x760	1000x730x920
Packing size (W x D x H mm) & gross weight	630x540x770 47 kg	680x570x780 54 kg	700x630x890 59 kg	740x680x850 73 kg	740x730x990 83 kg	1160x900x1100 225 kg
Power supply	1 Phase AC 120V, 60 Hz or 1 Phase AC 230V, 50/60 Hz			1 Phase AC 120V, 60 Hz or 1 Phase AC 230V, 50/60 Hz or 3 Phase AC 400V, 50/60 Hz		
Order number 230V	DH.WF21.P03	DH.WF21.P05	DH.WF21.P12*	DH.WF21.P14*	DH.WF21.P27*	DH.WF21.P63*
Order number 120V	DH.WF20.P03	DH.WF20.P05	DH.WF20.P12*	DH.WF20.P14*	DH.WF20.P27*	DH.WF20.P63*
Order number 3 Phase	-	-	DH.WF23.P12	DH.WF23.P14	DH.WF23.P27	DH.WF23.P63

* models not available in Europe

Accessories: Suitable spare fiber plates can be found on page 86
Suitable crucibles can be found on page 244

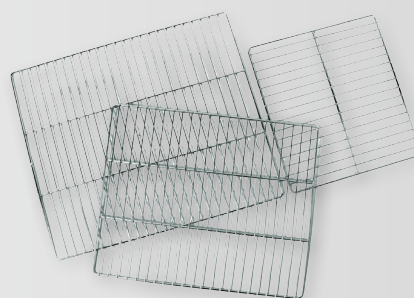
Oven

Accessories: shelves and plates

Wire shelves, stainless steel

• suitable for ovens **WON, WON-W, SWON, SWON-W**

For device...	Measurements	Article	Order number
WON-32 / SWON-32	280 x 280 mm	ONS032	DH.WON11032
WON-50 / SWON-50	340 x 310 mm	ONS050	DH.WON11050
WON-105 / WON-W105 SWON-105 / SWON-W105	455 x 375 mm	ONS105	DH.WON11105
WON-155 / WON-W155 SWON-155 / SWON-W155	520 x 440 mm	ONS155	DH.WON11155

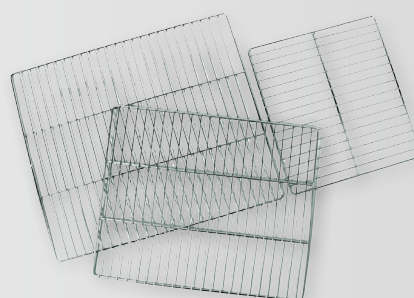


Ovens
WON | SWON

Wire shelves, stainless steel

• suitable for ovens **WOF, WOF-W, SWOF, SWOF-W**

For device...	Measurements	Article	Order number
WOF-50 / SWOF-50	340 x 310 mm	OFS050	DH.WOF11050
WOF-105 / WOF-W105 SWOF-105 / SWOF-W105	455 x 375 mm	OFS105	DH.WOF11105
WOF-155 / WOF-W155 SWOF-155 / SWOF-W155	520 x 440 mm	OFS155	DH.WOF11155

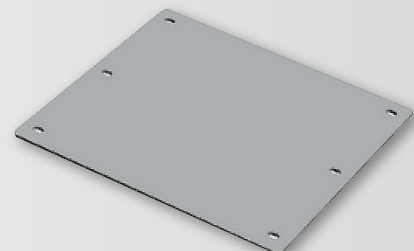


Ovens
WOF | SWOF

Shelves, aluminium

• suitable for vacuum ovens **WOV, SWOV**

For device...	Measurements	Article	Order number
WOV-20 / SWOV-20	260 x 245 x 3 mm	OVSN020	DH.WOV12020
WOV-30 / SWOV-30	290 x 285 x 3mm	OVSN030	DH.WOV12030
WOV-70 / SWOV-70	390 x 390 x3 mm	OVSN070	DH.WOV12070

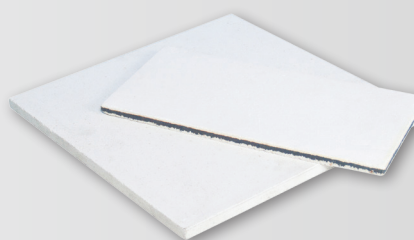


Vacuum ovens
WOV | SWOV

Ceramic fibre plates

• suitable for ovens / muffle furnaces **FP, FHP**

For device...	Article	Order number
FP-03 / FHP-03	FS1103	DH.WF211.03
FP-05 / FHP-05	FS1105	DH.WF211.05
FP-12 / FHP-12	FS1112	DH.WF211.12
FP-14 / FHP-14	FS1114	DH.WF211.14
FP-27 / FHP-27	FS1127	DH.WF211.27
FP-63 / FHP-63	FS1163	DH.WF211.63



Ovens | Muffle furnaces
FP | FHP