

Oven | muffle furnace

NEW

500°C - 1,450°C, PID controller, 1.9 / 4.5 / 11 / 22 l, programmable



2-sided heating

up to 1,450°C
PID controller
programmable

FSC 1,450°C, programmable

Ideal for:

- ash-determinations, enameling, fusions, precipitate drying

Features:

- ceramic fiber exposed heating wire
- 2-sided heating
- without ceramic fiber plate (please order separately)
- high quality insulation: ceramic fiber board
- LCD display
- CE certified and unique serial number for tracing

Safety mechanism:

- safety switch for door opening (only FSC-2)
- overheat and over-current protection
- sensor error detection

Controller:

- **digital PID controller**, UP35A, SCR-power controller with push button
- programmable: 2 patterns with 10 segments



FSC-2



Model	FSC-2	FSC-5	FSC-11	FSC-22
Temperature range	500°C - 1450°C			
Capacity	1.9 l	4.5 l	11 l	22 l
Heater	made from Silicon carbide (SiC), 2-sided heating			
Thermocouple	R-thermocouple			
Heating power	2 kW	3.3 kW	7.7 kW	9.6 kW
Required time to reach 800°C	30 min			
Timer & alarm	99 hr 59 min or continuous run			
Program function	2 patterns with 10 segments			
Safety mechanism	overheat and over-current protection sensor error detection safety switch for door opening	overheat and over-current protection, sensor error detection		
Material	ceramic fiber board with SiC-heater internal, powder-coated steel (external), ceramic fiber insulation			
Internal dimensions (W x D x H mm)	120 x 130 x 120	150 x 200 x 150	200 x 270 x 200	250 x 350 x 250
External dimensions (W x D x H mm)	440 x 482 x 700	820 x 555 x 655	870 x 625 x 715	920 x 705 x 785
Packing size (W x D x H mm) & gross weight	680 x 540 x 940, 57 kg	1350 x 600 x 980, 102 kg	1400 x 770 x 950, 102 kg	1450 x 900 x 1100, 132 kg
Power supply	Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz, without cord and plug			
Order number 230V	DH.FSC02002	DH.FSC02005	DH.FSC02011	DH.FSC02022
Order number 120V	DH.FSC01002	DH.FSC01005	DH.FSC01011	DH.FSC01022

Heat-resistant gloves

- long and flexible sleeve

Heat resistance	Order number
up to 700°C	NA.491041101