

## SEF Series



▲ SEF-101P

### Insulation

Heavy-duty molded ceramic fiber insulation. Hard abrasion resistant, designed to support heavy loads.

### Precision PID Control

Microprocessor-based PID control, 3 programs (pattern) and 16 segments for ramp (up and down) and dwell (timed hold) temperature control.

### Stable High Temperature

Temperature range up to 1100°C  
(Operating temperature is under 1000°C)

- Very suitable for various purposes like gravimetric analysis for organic substance and measurement of quantity for coal and lime.
- With the distinguished Digital P.I.D controller, it provides you with precise control of temperature and easiness to operate this equipment.
- By the highly efficient heater installed in the four sides of the chamber, it directly heats materials which are handled. With this excellent feature, it surely reduces time of temperature climb.
- To prevent it from over heat and short circuit, the specialized safety device is installed.
- By using the ceramic wool as a insulator, it maintains consistent temperature.
- Easy to set up time of temperature climb and drop.
- The three programs which are saved in accordance with your own intention enable you to interlock and change and it is also possible for you to correct it for your purpose. (This is optional part).
- Reservation funtion of operation and self diagnosis.

The high-performance **ELETRIC MUFFLE FURNACE** with its advanced features and great ergonomic design for every diversified users in the world

## SEF Series

### TECHNICAL DATA

<b>Type</b>	Natural Type
<b>Temp Range</b>	Amb +5°C to 1000°C (Max. 1,200°C)
<b>Accuracy</b>	±3°C
<b>Controller</b>	Digital PID Controller type (Program type is optional part upon customer's request)
<b>Regulator</b>	16min ~ 25min (at 800°C)
<b>Thermocouple</b>	K(CA Type)
<b>Timer Range</b>	99 min 59sec
<b>Controller</b>	Digital Display
<b>Material Out</b>	Steel Plate With Powder Coating
<b>Controller</b>	Kanthal A1
<b>Insulation</b>	Ceramic Fiber
<b>Safety Device</b>	Over temperature Limit / Over Current Glass Fuse
<b>Supply Voltage &amp; Frequency</b>	230V, 50/60Hz

\* For example, SEF-201P is the program type model of SEF-201 and SEF-501P is also the program type model of SEF-501.



SEF-101P ▲

GENERAL SPECIFICATIONS	SEF-101	SEF-201	SEF-202	SEF-301	SEF-303	SEF-401	SEF-501	SEF-601
Working range of temperature	300 ~ 1,000°C							
Ascending Temperature	800°C							
Ascending Time	Approximately 16 min	Approximately 16 min	Approximately 19 min	Approximately 19 min	Approximately 20 min	Approximately 23 min	Approximately 40 min	Approximately 50 min
Temperature Controller	Digital PID Controller (Program/P)							
Temperature Indication	Setting Temperature & Measuring Temperature							
Heat Transmission	K-Type							
Feature	PID Timer function for temperature control (99hours 59minutes) and self diagnosis system							
Internal Dimension (L x D)mm	130 x 250mm	150 x 300mm	200 x 300mm	250 x 350mm	300 x 300mm	400 x 400mm	500 x 500mm	600 x 600mm
(L x D x H)mm	x 90mm	x 100mm	x 200mm	x 160mm	x 300mm	x 400mm	x 500mm	x 600mm
Internal Capacity	3 Liters	4.5 Liters	12 Liters	14 Liters	27 Liters	63 Liters	125 Liters	216 Liters
Power Consumption	1.8 kilowatts	2.6 kilowatts	4.4 kilowatts	4.6 kilowatts	6.2 kilowatts	11.1 kilowatts	18 kilowatts	21 kilowatts
Supply Voltage & Frequency	AC 230V, 1 Ø, 50/60Hz						3 Ø	3 Ø
Weight	Approximately 28 kg	Approximately 32 kg	Approximately 40 kg	Approximately 49 kg	Approximately 55 kg	Approximately 78 kg	-	-

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