

# HIGH TEMPERATURE OVEN (600°C)

**SP - 60 C FIRE**

**SP - 190 C FIRE**

**SP - 420 C FIRE**

**SP - 875 C FIRE**

Heat treatment, surface treatment, curing - all at precise temperatures:

- Heat treatment for stress release
- Heat treatment for sintering
- High temperature drying
  - Molds preheating
  - Fills curing







PLC based controller.  
Simple and effective  
programming of all process  
steps with optional manual  
controls.  
RS-232, USB or Ethernet  
communication ports

Industrial heavy  
duty temperature  
sensor  
1. control sensor  
2. over temp cut off

AISI 304  
Stainless steel  
chamber,  
designed for  
temperatures  
up to 600 °C

Exhaust  
opening with  
adjustable  
flange for air  
exchange

Fully enclosed  
design with Stainless  
steel AISI 304  
exterior

Adjustable  
Over  
temperature  
shut-out

Chamber door with  
floating inner isolative  
door, ensuring low  
surface temperature  
even at extreme  
temperatures

Main switch  
with power  
phase  
indicator

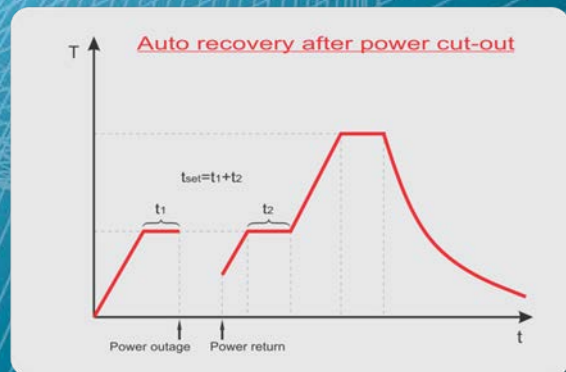
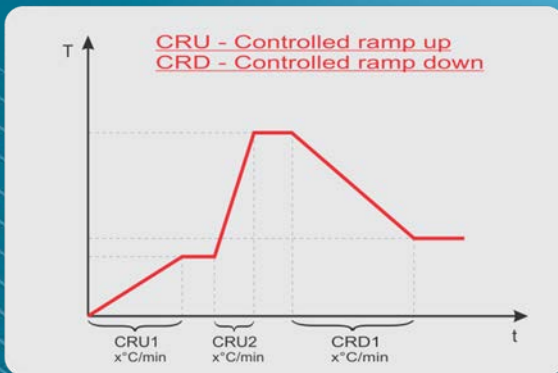
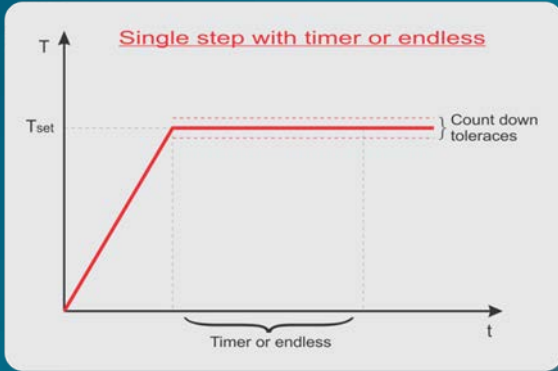
High capacity fan for  
air circulation in  
chamber, ensuring  
temperature stability  
and uniformity

Height adjustable  
shelves (additional  
shelves as  
accessories)

Heavy duty  
closing  
mechanism with  
adjustable  
position/closing  
force







**Controller functions:**





**Technical data:**

	<b>SP - 60 C FIRE</b>	<b>SP - 190 C FIRE</b>	<b>SP - 420 C FIRE</b>	<b>SP - 875 C FIRE</b>
				
External dimensions (WxHxD) in mm	712 x 673 x 655	942 x 883 x 836	1062x973x1030	1461 x 1768 x1066
Internal dimensions (WxHxD) in mm	400 x 400 x 400	600 x 600 x 543	750 x 700 x 755	998 x 1250 x 700
Volume (L)	64	190	400	875
Temperature range (°C)	T <sub>ambient</sub> +10...600	T <sub>ambient</sub> +10...600	T <sub>ambient</sub> +10...600	T <sub>ambient</sub> +10...600
Temperature display resolution (°C)	0.1	0.1	0.1	0.1
Temperature set point resolution (°C)	1	1	1	1
Temperature stability (°C)	±0.5°C@200°C ±0.5°C@350°C ±1.0°C@500°C	±1.0°C@200°C ±1.0°C@350°C ±1.0°C@500°C	±1.0°C@200°C ±1.0°C@350°C ±1.0°C@500°C	±1.0°C@200°C ±1.0°C@350°C ±1.0°C@500°C
Shelves	2 (max 3)	2 (max 4)	2 (max 4)	2 (max 8)
Shelf capacity (kg)	25	30	50	50
Max capacity (kg)	50	100	300	400
Exhaust (mm)	Ø40	Ø40	2 x Ø40	2 x Ø40
Heat-up rate	10°C / min	10°C / min	7°C / min	5°C / min
Temperature control	PID	PID	PID	PID
Power supply	3x400V,50Hz (230V,50Hz-optional)	3x400V,50Hz	3x400V,50Hz	3x400V,50Hz
Wattage (W)	6300 (3200)	9000	18000	18000
Interface	RS-232 (USB, Ethernet as accessory)	RS-232 (USB, Ethernet as accessory)	RS-232 (USB, Ethernet as accessory)	RS-232 (USB, Ethernet as accessory)
Access port (mm)	Ø40	Ø40	Ø40	Ø40
Noise (dBA) @ 1 m distance	64	64	65	65
Weight (kg)	~185	~270	~390	~480



**Ordering information and accessories:**

Description	Part no.
High temperature oven SP – 60 C FIRE	332
High temperature oven SP – 190 C FIRE	330
High temperature oven SP – 420 C FIRE	479
High temperature oven SP – 875 C FIRE	2547
Additional wire shelf for SP – 60 C FIRE	467
Additional wire shelf for SP – 190 C FIRE	468
Additional wire shelf for SP – 420 C FIRE	377
Additional wire shelf for SP – 875 C FIRE	2620
Exhaust fan combination unit. Complete kit with controlled intake and exhaust QS flaps and local fume hood above doors. *see photo below	63
USB interface	1466
Ethernet interface	1716
PC Software for Monitoring & History	1663
Calibration report	1719
Trolley for SP – 60 C FIRE	2621
Trolley for SP – 190 C FIRE	2622
Trolley for SP – 420 C FIRE	2623

**Exhaust fan combination unit:**



