

LABORATORY SCALE FURNACES

SPLIT FURNACE

Split furnaces are widely preferred to provide fast heat treatment, conditional atmosphere and clean warming cells. In these furnaces, melting, thermal aging, sintering, metal heat treatment, chemical decomposition and thermal shock tests can be applied. The supply of quartz tubes and accessories (flanges, ceramic crucibles, etc.) in furnaces can be obtained from our company. In our split ovens, horizontal or vertical operation can be selected, while the tube rotate, tilt operation and feeding unit, the creation of different temperature zones and the control of these zones, the sample for an external thermocouple with an external thermocouple, and various optional features such as vacuum operation are also possible.

- Tmax. 1200°C
- Inside diameter: 50 mm
- 50°C/min fast heat
- Heating on both side
- Horizontal design with upward opening lid system
- Stainless steel water cooled gas inlet and outlet flanges**
- Sample holder and heat shields
- Controllable 3 different zones
- Manual adjustable gas flow
- Proper tube for usage temperature
- Programmable step controller via digital display
- Auto power cut when lid is open
- Temperature control via PID and $\pm 1^\circ\text{C}$ temperature display sensitivity
- Observation of set and real temperature
- Temperature measurement via thermocouple
- Delayed start and program save feature
- System protection for over temperature, audio visual warning alarm
- Error display in case a breakdown



***Horizontal, vertical or angled work is preferred in order to provide various atmospheric conditions in the tube.



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SPLIT FURNACE SERIES

Product Code	Max. Temperature °C	Inside Diameter (mm)	Heated Length (mm)	Tube
SPT_1100_20_250	1100	20	250	Kuvars
SPT_1100_20_350	1100	20	350	Kuvars
SPT_1100_20_450	1100	20	450	Kuvars
SPT_1100_50_250	1100	50	250	Kuvars
SPT_1100_50_350	1100	50	350	Kuvars
SPT_1100_50_450	1100	50	450	Kuvars
SPT_1100_50_600	1100	50	600	Kuvars
SPT_1100_84_250	1100	74	250	Kuvars
SPT_1100_84_450	1100	74	400	Kuvars
SPT_1100_84_600	1100	74	600	Kuvars
SPT_1100_100_250	1100	100	250	Kuvars
SPT_1100_100_450	1100	100	450	Kuvars
SPT_1100_150_250	1100	150	250	Kuvars
SPT_1100_150_450	1100	150	450	Kuvars
SPT_1100_200_450	1100	200	450	Kuvars
SPT_1100_*	1100	*	*	Kuvars

*Produced on demand by the customer.

Product Code	Max. Temperature °C	Inside Diameter (mm)	Heated Length (mm)	Tube
SPT_1200_20_250	1200	20	250	Kuvars
SPT_1200_20_350	1200	20	350	Kuvars
SPT_1200_20_450	1200	20	450	Kuvars
SPT_1200_50_250	1200	50	250	Kuvars
SPT_1200_50_350	1200	50	350	Kuvars
SPT_1200_50_450	1200	50	450	Kuvars
SPT_1200_50_600	1200	50	600	Kuvars
SPT_1200_84_250	1200	74	250	Kuvars
SPT_1200_84_450	1200	74	400	Kuvars
SPT_1200_84_600	1200	74	600	Kuvars
SPT_1200_*	1200	*	*	*

*Produced on demand by the customer.

