

Lava Serisi - Tube Furnaces



Lava Series tube furnaces are **tube-type laboratory furnaces**, up to maximum temperature of **1200°C** with **250 mm - 900 mm** heating zone. This tube furnaces has different types as single or multi-controlled areas; vertical, horizontal or universal (angled)

Mullite Tubes (C610 quality, Halldenwanger) are used in Lava series because of having very high thermal shock resistance. This type tubes allows the furnace work with different atmospheric conditions and in a vacuum.

The custom design **PID control** devices produced for our company minimizes the heat fluctuations on the set values. Every step on the control devices can be defined up to **9999** minutes and in case of a power loss the system resumes on.



	Delay	Ramp (Heating Curve)	Wait	Program*
EVO Mini	✓	✓	✓	1P 2S
EVO 770	✓	✓	✓	1P40S - 5P40S 20P40S

* P: Program, S:Step

System Properties of LAVA Series;

- C610 quality ceramic tube
- In accordance with furnace features integrated or separate control unit
- Heat shield (2 pcs) and Sample bag (2 pcs)

Lava Tube Furnaces Series with multi-controlled areas

- More homogeneous heat distribution for a single area controlled area
- Two or more field control options
- Master the very areas controlled oven / slave control facilities



Optional Features

- Vertical, horizontal or angled design
- With flange inert protective gas supply facilities,
- The option to vacuum with water-cooled vacuum flange (vacuum flange can be optionally in aluminum or chrome-nickel manufacturing.)
- Replacement of ceramic or quartz tubes

Models	Maksimum Temp. °C	Working Temp. °C	Tube Inner Dia. (mm)	Min. Tube Length (mm)	Tube Quality
Lava 12/20/250	1200	1150	20	350	C610 Müllit
Lava 12/20/450	1200	1150	20	500	C610 Müllit
Lava 12/40/250	1200	1150	40	350	C610 Müllit
Lava 12/40/450	1200	1150	40	500	C610 Müllit
Lava 12/50/250	1200	1150	50	300	C610 Müllit
Lava 12/50/450	1200	1150	50	500	C610 Müllit
Lava 12/50/600	1200	1150	50	650	C610 Müllit
Lava 12/75/450	1200	1150	75	500	C610 Müllit
Lava 12/75/600	1200	1150	75	650	C610 Müllit
Lava 12/75/800	1200	1150	75	850	C610 Müllit
Lava 12/105/500	1200	1150	105	550	C610 Müllit
Lava 12/105/750	1200	1150	105	800	C610 Müllit
Lava 12/105/900	1200	1150	105	950	C610 Müllit