

ASHING FURNACES

LV (LVT) Series: Highly reliable ashing furnaces

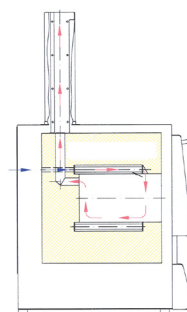
Ashing furnace LV ../11 is designed especially for ashing processes to 1050°C in the laboratory. Applications include determining loss on ignition, ashing plastics for subsequent substance analysis. A special fresh-air and exhaust air system ensures that the air is replaced 6 times per minute so that there is always sufficient oxygen for the ashing process. Incoming air passes the furnace heating and is pre-heated to ensure good temperature uniformity.

Features:

- Tmax 1100 °C
- Heating from two sides
- Ceramic heating plates with integral heating element which is safeguarded, and easy to replace
- Air exchange of more than 6 times per minute
- Good temperature uniformity due to preheating of incoming air, temperature uniformity according to DIN 17052-1 to +/- 10 °C in the defined empty work area (from 550 °C)
- Dual shell housing made of textured stainless steel sheets with additional fan cooling for low surface temperature
- Exclusive use of insulation materials without categorization according to EC Regulation No. 1272/2008 (CLP)
- Suitable for many standardized ashing processes according to ISO, ASTM, EN, and DIN
- Optional flap door (LV) which can be used as work platform or lift door (LVT) with hot surface facing away from the operator
- Controller B510 (5 programs with each 4 segments)
- Solid state relays provide for lownoise operation
- NTLog Basic for Nabertherm controller: recording of process data with USB-flash drive



LVT 9-11



Technical data:

	LV (LVT) 3-11	LV (LVT) 5-11	LV (LVT) 9-11
Tmax [° C]	1100	1100	1100
Nominal Power [kW]	1.2	2.4	3.0
El. connection, single phase / three-phase	1 N~	1 N~	1 N~
Mains voltage / mains frequency [V , Hz]	110 ... 240 / 50...60	110 ... 240 / 50...60	110 ... 240 / 50...60
Weight [kg]	20	35	45
Dimensions / inside			
Width [mm]	160	200	230
Depth [mm]	140	170	240
Height [mm]	100	130	170
Volume [l]	3	5	9
Dimensions / outside			
Width [mm]	385	385	415
Depth [mm]	360	420	485
Height incl. duct (Ø 80 mm) [mm]	735	790	845

Option: Temperature safety device, class 2