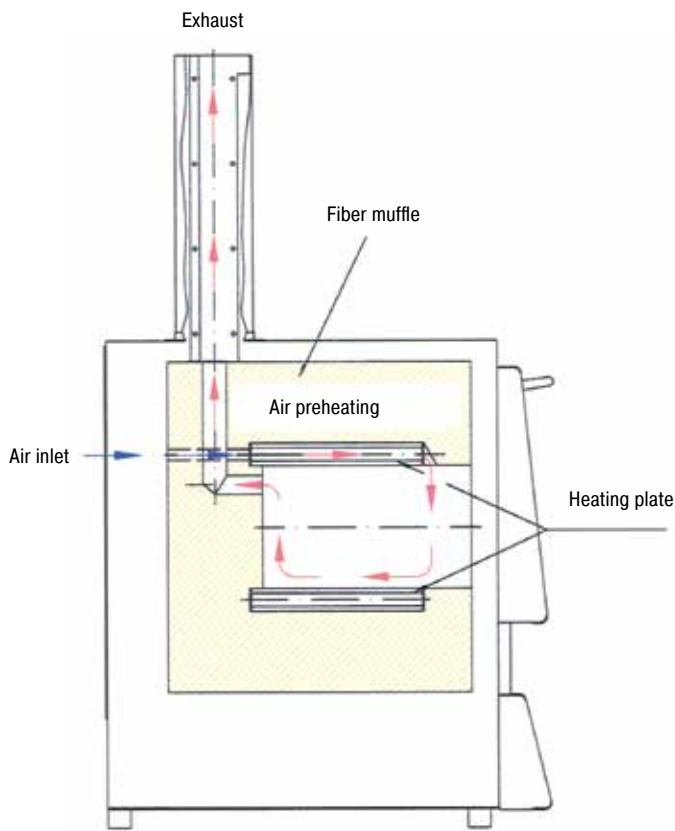


## Ashing Furnaces with Flap Door or Lift Door



Air intake and exhaust flow principle



LV 3/11

### LV 3/11 - LVT 15/11

The models LV 3/11 - LVT 15/11 are especially designed for ashing in the laboratory. A special air intake and exhaust system allows air exchange of more than 6 times per minute. Incoming air is preheated to ensure a good temperature uniformity.

- Tmax 1100 °C
- Heating from two sides by ceramic heating plates
- Ceramic heating plates with integral heating element which is safeguarded against fumes and splashing, and easy to replace
- Highly durable, high-performance cured vacuum fiber module lining
- Housing made of sheets of textured stainless steel
- Dual shell housing for low external temperatures and stability
- Optional flap door (L) which can be used as work platform or lift door (LT) with hot surface facing away from the operator
- Solid state relays provide for lownoise operation
- Air exchange of more than 6 times per minute
- Good temperature uniformity due to preheating of incoming air
- Controls description see page 60



LVT 9/11



LVT 15/11

### Additional equipment

- Over-temperature limiter with manual reset for thermal protection class 2 in accordance with EN 60519-2 as temperature limiter to protect the oven and load
- Please see page 12 for more accessories
- Process control and documentation with Controltherm MV software package see page 63



Over-temperature limiter

Model Flap door	Tmax °C	Inner dimensions in mm			Volume in l	Outer dimensions in mm			Connected load kW	Electrical connection*	Weight in kg	Minutes to Tmax <sup>2</sup>
		w	d	h		W	D	H <sup>1</sup>				
LV 3/11	1100	160	140	100	3	380	370	750	1.2	1-phase	20	120
LV 5/11	1100	200	170	130	5	440	470	850	2.4	1-phase	35	120
LV 9/11	1100	230	240	170	9	480	550	900	3.0	1-phase	45	120
LV 15/11	1100	230	340	170	15	480	650	900	3.5	1-phase	55	120

Model Lift door	Tmax °C	Inner dimensions in mm			Volume in l	Outer dimensions in mm			Connected load kW	Electrical connection*	Weight in kg	Minutes to Tmax <sup>2</sup>
		w	d	h		W	D	H <sup>1</sup>				
LVT 3/11	1100	160	140	100	3	380	370	750	1.2	1-phase	20	120
LVT 5/11	1100	200	170	130	5	440	470	850	2.4	1-phase	35	120
LVT 9/11	1100	230	240	170	9	480	550	900	3.0	1-phase	45	120
LVT15/11	1100	230	340	170	15	480	650	900	3.5	1-phase	55	120

<sup>1</sup>Including exhaust tube (Ø 80 mm)

\*Please see page 60 for more information about supply voltage

<sup>2</sup>If connected at 230 V 1/N/PE resp. 400 V 3/N/PE