

Furnaces

High-Temperature furnaces LHT with MoSi₂ heating elements as table top model



LHT 02/17

Designed as table top models, these compact high-temperature furnaces have a variety of advantages. The first-class workmanship using high-quality materials, combined with ease of operation, make these furnaces all-rounders in research and the laboratory. These furnaces are also perfectly suited for the sintering of technical ceramics, such as zirconium oxide dental bridges.

*T_{max} 1600°C, 1750°C or 1800°C

*High-quality molybdenum disilicide heating elements

*Furnace chamber lined with first-class, durable fibre material

*Casing made of sheets of textured stainless steel (non-rusting design)

*Double-walled casing with additional cooling using fans, for low exterior temperature

*Furnace sizes of 2, 4, or 8 litres

*Parallel swinging doors, chain-guided, allowing safe opening and closing without destruction of the fibre insulation, whereby the hot side is turned away from the operator

*Adjustable air intake opening in the furnace door, exhaust air opening in the back wall

*Type B thermocouple

*Switching system with the phase-angle firing thyristors (SCRs)



LHT 04/17

Model fold door	T _{max} °C	Inner Dimensions (mm)			Volume (L)	Outer Dimensions (mm)			Power kW	Supply voltage*	Weight kg	Minutes to T _{max}
		w	d	h		w	d	h ¹				
12610/05	1600	90	150	150	2	470	700	750	1.2	single-phase	20	120
12610/06	1600	150	150	150	4	470	700	850	2.4	single-phase	35	120
12610/07	1600	150	300	150	8	470	550	900	3.0	single-phase	45	120
12610/11	1750	90	150	150	2	470	650	900	3.6	single-phase	55	120
12610/12	1750	150	150	150	4	470	370	750	1.2	single-phase	20	120
12610/13	1750	150	300	150	8	470	470	850	2.4	single-phase	35	120
12610/17	1800	90	150	150	2	470	550	900	3.0	single-phase	45	120
12610/18	1800	150	150	150	4	470	650	900	3.6	single-phase	55	120
12610/19	1800	150	300	150	8	470	550	900	3.0	single-phase	45	120