

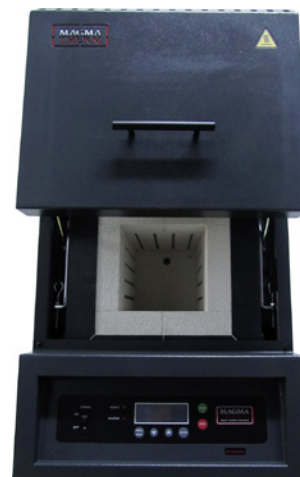
Laboratory Furnaces, LAT

LAT laboratory furnaces are premium-quality products. The sturdy mechanical structure and excellent insulation guarantee a long useful life, fast heat-up, and low energy consumption. The 950 – 1200°C chamber furnaces are equipped with quartz pipes for protection from corrosive gases.

On request, we provide gas introduction systems, inspection windows, and stainless steel casings.

Controllers/programmers for all LAT furnaces

	Display lines	Programme steps	Auto start	Heating rate °C/min	Memory	Overheating auto. off
P	1	direct	no	5–25	1	yes
Px	1	2	no	5–25	2	yes
B	4	2	no	3–20	2	yes
E	4	4	yes	3–20	4	yes
U	4	8	yes	3–20	6	yes
S	4	16	yes	3–20	5	yes



① Chamber furnaces

Type	Vol. I	Temp. max. °C	Inner mm	Power kW	P Order No.	Px Order No.	with controller B2 Order No.	E4 Order No.
LAT9503	3	950	13×53×45	1.45	10 20 17021	10 20 17031		
LAT9505	5	950	38×53×45	1.45	10 20 17022	10 20 17032		
LAT9507	7	950	53×60×60	1.45	10 20 17023	10 20 17033		
LAT1105	5	1100	15×15×23	2.0			10 20 17044	10 20 17064
LAT1110	10	1100	25×18×23	2.8			10 20 17045	10 20 17065
LAT1205	5	1200	15×15×23	2.0			10 20 17046	10 20 17066
LAT1210	10	1200	15×18×23	2.8			10 20 17047	10 20 17067
LAT1240	40	1200	30×30×45	9.0			10 20 17048	10 20 17068
LAT1305	5	1300	15×15×23	2.25			10 20 17049	10 20 17069
LAT1310	10	1300	25×18×23	3.6			10 20 17050	10 20 17070
LAT1320	20	1300	25×20×40	4.5			10 20 17051	10 20 17071

All controllers/programmers are PID controllers. Other multi-level programmers available on request.

② High temperature laboratory furnaces

These furnaces are mainly used for sintering processes in metallurgy but also for other material research purposes.

- Controller/programmer S16, max. 16 program levels
- Controller/programmer E4, max. 4 program levels

Type	Vol. I	Temp. max. °C	Inner mm	Power kW	E4 Order No.	with controller S16 Order No.
LATH1403	3	1400	14×13×16.5	2.7	10 20 17111	10 20 17131
LATH1406	6	1400	17.5×15×23	3.6	10 20 17112	10 20 17132
LATH1409	9	1400	20×17×26.5	5.7	10 20 17113	10 20 17133
LATH1503	3	1500	14×13×16.5	2.9	10 20 17114	10 20 17134
LATH1506	6	1500	17.5×15×23	3.8	10 20 17115	10 20 17135
LATH1509	9	1500	20×17×26.5	6.0	10 20 17116	10 20 17136
LATH1603	3	1600	14×13×16.5	2.7	10 20 17117	10 20 17137
LATH1606	6	1600	17.5×15×23	4.5	10 20 17118	10 20 17138
LATH1609	9	1600	20×17×26.5	6.9	10 20 17119	10 20 17139
LATH1803	3	1750	14×13×16.5	4.4	10 20 17120	10 20 17140
LATH1806	6	1750	17.5×15×23	7.0	10 20 17121	10 20 17141
LATH1809	9	1750	20×17×26.5	7.8	10 20 17122	10 20 17142

Other sizes available on request.

②



③ Tube furnaces, hexagonal design

These horizontal tube furnaces are available with different controllers/programs, see Controller/programmer LAT. Precise temperature control and excellent insulation ensure fast working and low energy consumption.

Optionally, tube furnaces can be supplied with replaceable tubes. Please contact us for details.

Type	Temp. max. °C	Tubing Ø mm	heated L mm	B2 Order No.	with controller E4 Order No.	S16 Order No.
LATR11/20/250	1075	20	250	10 20 17201	10 20 17221	
LATR11/38/250	1075	38	250	10 20 17202	10 20 17222	
LATR11/50/250	1075	50	250	10 20 17203	10 20 17223	
LATR12/38/250	1175	38	250	10 20 17204	10 20 17224	
LATR12/75/450	1175	75	450	10 20 17205	10 20 17225	
LATR13/50/250	1250	50	250	10 20 17206	10 20 17226	
LATR13/75/450	1250	75	450	10 20 17207	10 20 17227	
LATR14/20/250	1400	20	250		10 20 17248	10 20 17228
LATR14/50/250	1400	50	250		10 20 17249	10 20 17229
LATR14/75/450	1400	75	450		10 20 17250	10 20 17230
LATR15/50/250	1500	50	250		10 20 17251	10 20 17231
LATR15/50/450	1500	50	450		10 20 17252	10 20 17232
LATR16/50/250	1550	50	250		10 20 17253	10 20 17233
LATR16/50/450	1550	50	450		10 20 17254	10 20 17234
LATR17/38/200	1700	38	200		10 20 17255	10 20 17235
LTAR17/50/300	1700	50	300		10 20 17256	10 20 17236

Other dimensions available on request.

