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Low Temperature Electric Oven
Chamber Furnace up to 300°C

Description

High-precision laboratory electric furnaces with fibre-insulated chambers made of high-quality materials.
The models of these low-temperature ovens are designed for the heat treatment of materials up to 300°C. They are suitable for processes such as drying, heating, thermal testing, aging and similar applications in an environment with natural airflow. The forced air covection allows an even temperature distribution and ensures optimal results. The oven is suitable for use in scientific laboratories, educational institutions, medicine and industry.

Low temperature oven 20 liters

Low temperature oven 120 liters

Features Basic Models

- Stainless steel chamber
- The control panel is located on the underside of the oven
- The door opens to the right
- Controllable valve for air exchange in the chamber
- Forced horizontal air circulation
- Good stability and uniformity
- Airtight doors
- High accuracy
- Omron E5CC temperature controller, non-programmable
- High quality, ecological insulation material
- Low energy consumption
- ÜTS (overtemperature protection)
- Outer casing - sheet metal, grey powder-coated
- Three shelves (except model 20/300)
- Short heat-up/cool-down time

Optional Equipment

- Programmable temperature controller
- Calibration of the temperature measuring system
- Data transmission/USB
- Digital timer
- Acoustic signal at end of programme - buzzer
- Argon or nitrogen protective gas supply system (flow meter, reducer and connections) + additional chamber seal
- Viewing window for process monitoring
- Additional shelves
- Reinforced shelves
- Stainless steel outer housing

Attention:
The ovens are NOT suitable for drying or burning dangerous or flammable materials!!!

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Technical Data

Models to 300°C	LSN11 20/300	LSN11 60/300	LSN11 120/300	LSN11 220/300
Useful volume	20 l	60 l	120 l	220 l
Temperature	10 – 300°C	10 – 300°C	10 – 300°C	10 – 300°C
Max. heating up time to 300°C (without charge)	34 min	40 min	45 min	30 min
Temperature stability in working chamber at rated temperature in thermal steady state without charge not more than	±0,3°C	±0,3°C	±0,3°C	±0,3°C
Temperature uniformity in working space at 300°C temperature in thermal steady state without charge not more than	±2,3°C	±3,6°C	±1,9°C	±2,5°C
Dimensions chamber interior (W x D x H)	240 x 280 x 340 mm	380 x 380 x 420 mm	550 x 400 x 580 mm	730 x 500 x 620 mm
Dimensions exterior (W x D x H)	460 x 680 x 640 mm	600 x 755 x 720 mm	750 x 775 x 880 mm	930 x 875 x 915 mm
Rated power	1 kW	2 kW	2,2 kW	4,0 kW
Power supply	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
Weight	36 kg	49 kg	68 kg	91 kg
Material inner chamber	stainless steel	stainless steel	stainless steel	stainless steel
Airflow	horizontal	horizontal	horizontal	horizontal
Shelves/max.	Included in delivery 2 / 5 max.	Included in delivery 3 / 7 max.	Included in delivery 3 / 7 max.	Included in delivery 3 / 7 max.

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