

COFFEE LABORATORY

SNOL



Thermal processing
equipment
for laboratories

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1. Low temperature electric ovens

1.1 Chamber ovens

1.1.1. Chamber ovens up to 200 °C

Economical low temperature electric ovens that are intended for the thermal processing of various materials and parts up to a temperature of 200 °C. The products can be used in scientific laboratories, educational institutions, medicine, and industry. Optional forced air circulation (only in model SNOL 200/200) assures an even temperature distribution throughout the chamber, and high quality thermal processing occurs quickly.

Basic model

- Chamber made of mild steel or stainless steel
- Natural or forced air circulation
- Hermetically sealed doors
- Microprocessor temperature controller (see page 14)
- Includes standard shelves
- High-quality, ecological thermal insulation material
- Low electric power usage for increased energy efficiency
- Short heating up/cooling down period
- High degree of accuracy
- Exterior painted with powder coating (RAL 7035)
- 1 year guarantee



SNOL 24/200 LSP01

Options

- Additional standard shelves
- Reinforced shelves
- Metal tray
- Reinforced bottom
- Digital timer
- Fan speed controller (for ovens with forced air circulation)
- Buzzer
- Over-temperature protection
- Data recorder
- Computer connection via RS232/RS-485/USB
- Calibration of temperature measurement system
- Oven exterior made of stainless steel
- Stand for supporting the oven
- Additional 1 year guarantee



SNOL 200/200 LSN11

Model	Vol., l	T _{max} , °C	Chamber dimensions, mm			Overall dimensions*, mm			Power, kW	Voltage, V	Weigth, kg	Air flow	Number of shelves		Chamber material	
			Width	Length	Height	Width	Length	Height					sets	max	Stainless steel	Mild steel
Up to 200 °C																
SNOL 24/200 LSP01	24	200	300	380	200	400	515	410	1	230	17	○	2	2	○	●
SNOL 200/200 LSP11	200	200	710	610	460	1040	780	775	2	230	77	●	2	5	○	●
SNOL 200/200 LSN11	200	200	710	610	460	1040	780	775	2	230	77	●	2	5	●	○

1. Low temperature electric ovens

1.1.2. Chamber ovens up to 300 °C

A new range of laboratory ovens that are intended for the thermal processing of materials up to a temperature of 300 °C. Used for such processes as drying, heating, thermal testing, and aging in an air environment. Forced air circulation allows a homogenous temperature distribution to be achieved during all processes, which ensures optimal results.

Basic model

- Forced horizontal air circulation
- Valve control of air extraction (operated via front panel)
- Chamber made of stainless steel
- Hermetically closed doors
- Microprocessor-controlled thermoregulator (see page 14)
- Buzzer
- Protection against overheating
- Fan revolution controller
- Includes standard shelves
- High-quality, ecological thermal insulation material
- Low electric power usage
- Short heating up/cooling down period
- High degree of accuracy
- Exterior painted with powder coating (RAL 7035)
- 2 years guarantee

Options

- Economical version (Ec) without a fan speed controller and buzzer
- Supplemental shelves
- Reinforced shelves
- Metal tray
- Reinforced bottom
- Digital timer
- Data recorder
- Computer connection via RS232/RS-485/USB
- Calibration of temperature measurement system
- Furnace exterior made of stainless steel
- Table for supporting the furnace
- Process observation window



Model	Vol., l	T _{max} , °C	Chamber dimensions, mm			Overall dimensions*, mm			Power, kW	Voltage, V	Weight, kg	Air flow	Number of shelves		Chamber material	
			Width	Length	Height	Width	Length	Height					sets	max	Stainless steel	Mild steel
Up to 300 °C																
SNOL 20/300 LSN11	20	300	240	280	340	460	680	640	1	230	34	•	2	5	•	○
SNOL 60/300 LSN11	60	300	380	380	420	600	760	720	2	230	50	•	3	7	•	○
SNOL 120/300 LSN11	120	300	550	400	580	750	780	880	2,2	230	70	•	3	7	•	○
SNOL 220/300 LSN11	220	300	730	500	620	930	880	915	4	230	102	•	3	7	•	○
SNOL 420/300 LSN11	420	300	1000	500	860	1200	930	1200	6,2	400	155	•	3	7	•	○

QUOTE REQUEST

1. Low temperature electric ovens

1.1.3. Chamber ovens up to 350 °C

Economical low temperature electric ovens that are intended for the thermal processing of various materials and parts up to a temperature of 350 °C. The products can be used in scientific laboratories, educational institutions, medicine, and industry.

Basic model

- Natural or forced air circulation
- Regulated air intake and extraction
- Chamber made of mild or stainless steel
- Hermetically closed doors
- Microprocessor-controlled thermoregulator (see page 14)
- Includes standard shelves
- High-quality, ecological thermal insulation material
- Low electric power usage
- Short heating up/cooling down period
- High degree of accuracy
- Exterior painted with powder coating (RAL 7035)
- 1 year guarantee



SNOL 67/350 LSN01

Options

- Supplemental shelves
- Reinforced shelves
- Metal tray
- Reinforced bottom
- Digital timer
- Buzzer
- Protection against overheating
- Data recorder
- Computer connection via RS232/RS-485/USB
- Calibration of temperature measurement system
- Furnace exterior made of stainless steel
- Table for supporting the furnace
- Additional 1 year guarantee



SNOL 58/350 LSP11

Model	Vol., l	T _{max} , °C	Chamber dimensions, mm			Overall dimensions*, mm			Power, kW	Voltage, V	Weight, kg	Air flow	Number of shelves		Chamber material	
			Width	Length	Height	Width	Length	Height					sets	max	Stainless steel	Mild steel
Up to 350 °C																
SNOL 58/350 LSN11	58	350	390	380	360	685	675	615	2	230	40	●	3	7	●	○
SNOL 58/350 LSP11	58	350	390	380	360	685	675	615	2	230	40	●	3	7	○	●
SNOL 67/350 LSN01	67	350	390	445	390	685	625	615	2	230	40	○	3	7	●	○
SNOL 67/350 LSP01	67	350	390	445	390	685	625	615	2	230	40	○	3	7	○	●

4. Control devices

4.3 Data recorder Eurotherm 6100E

Data recorder Eurotherm 6100 E is ideal for basic visualisation and recording requirements. The 6100E has a full color display and utilises touch screen technology for clear and intuitive configuration and operation. It further supports a USB port as standard to enable the use of a mouse, keyboard or bar code scanner. Data can be moved manually or automatically archived to multiple locations: removable media, network servers or the Eurotherm Review database on a PC. The recorder can easily be integrated into a larger system and data files can be transferred across the network.

Main features

- Advanced data security and archiving
- 5.5", 1/4 VGA, Color touch screen display
- Designed for network and stand alone use
- FTP client and server
- Live, remote data viewing and configuration
- 125 ms parallel sampling



4.4 Computer software SNOL V1.12

SNOL 12V.1 is computer software for data recording, viewing and configuring the temperature controller running your thermal treatment process. The software is designed for Windows operating system. Computer software allows simply run, review and display charts on thermal process temperatures and other settings.

Main features

- Up to 128 controllers connection
- Supports up to 4 computer ports
- Control of device parameters and programs via computer
- Live, remote data viewing and configuration
- Graphical representation of the data
- Data export to Microsoft Excel format
- Ability to observe the process in a distance by internet
- Connections RS-232 and RS-485.
- Multiple language entry (ability to install necessary language)



4.5 Timer Galaxy

The main function of the timer is remote start of the furnace. The timer works in real-time. During the operation, the output contact of the timer is operated according to the settings of the dial-switches. However, at all time it is possible to manually override this operation for each channel individually.

Main features

- Start and stop 24 hour / 7 day oven operation
- Stores up to 20 programs with up to 10 ON and 10 OFF events/day
- Manual 3-way override
- 16 Amp, 277 VAC resistive SPDT output contacts
- Reserve carryover: 3 years (Non-replaceable battery)
- Manual Daylight Time Changeover
- 3 languages option
- Available only with Omron devices

