



A range of laboratory dryers that guarantees exceptional accuracy and uniformity of the temperature

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Laboratory dryers, sterilizers – the 'SP' series

Standard equipment:

- Temperature range $T_{\text{ambient}} + 5^{\circ}\text{C} \div 300^{\circ}\text{C}$
- Forced air circulation with a fan
- Innovative air flow system, which enables high temperature uniformity and stability
- Simple microprocessor controller with a LED display
- Timer or continuous operation
- PID temperature controller
- Visual and sound alarm in the event of failure
- LED indication:
 - Operation of the heaters
 - Operation of the fan
 - Programme in operation
 - Programme completed
 - Programme stopped with STOP
 - Temperature sensor error
- Display temperature resolution 0.1°C
- Temperature stability $\pm 0.1^{\circ}\text{C}$
- Adjustable exhaust system with a lever on the doors
- Double protection system against high temperatures
 - when the temperature is 5°C above the set level, the operation of the heating elements is disabled
 - mechanical over temperature shut off device
- The interior casing is made of stainless steel AISI 304
- The exterior is made of aluminized sheet, powder coated (RAL 7035)
- Two stainless steel wire shelves



- Interlock with the possibility of locking (keys added)
- RS – 232 communication port
- Programme for the temperature probe calibration
- Instructions for working with the electrical layout and the CE declaration of conformity

Type	Volume	Internal (HxWxD) mm	External (HxWxD) mm	Wattage
SP – 45	44 L	355 x 335 x 370	590 x 560 x 600	230V~50/60 Hz 1,25 kW
SP – 105	105 L	490 x 500 x 430	725 x 725 x 660	230V~50/60 Hz 1,65 kW
SP – 160	163 L	650 x 560 x 450	855 x 785 x 680	230V~50/60 Hz 2,25 kW
SP – 190	190 L	600 x 615 x 515	835 x 840 x 745	230V~50/60 Hz 2,25 kW
SP – 210	210 L	700 x 600 x 500	935 x 825 x 730	230V~50/60 Hz 2,25 kW
SP – 250	250 L	500 x 1000 x 500	735 x 1230 x 720	230V~50/60 Hz 3,3 kW
SP – 265	264 L	600 x 800 x 550	835 x 1025 x 780	230V~50/60 Hz 3,25 kW
SP – 440	440 L	1000 x 800 x 550	1235 x 1025 x 735	3x400V~50/60 Hz 3,7 kW
SP – 210	210 L	700 x 600 x 500	935 x 825 x 730	230V~50/60 Hz 2,25 kW
SP – 910	910 L	1000 x 1300 x 700	1280 x 1975 x 875	3x400V~50/60 Hz 9,5 kW
SP – 1300	1288 L	1060 x 1430 x 850	1340 x 2100 x 990	3x400V~50/60 Hz 10,5 kW

Laboratory dryers, sterilizers –'SP' series and the 'C' series controller

Standard equipment:

- Temperature range Tambient + 5°C ÷ 300°C
- Forced air circulation with a fan
- Innovative air flow system, which enables high temperature uniformity and stability
- Microprocessor controller with an LCD display – fully programmable
 - 10 automatic programmes
 - Up to 10 steps in each programme
 - Fan speed adjustment
 - Start-up (at a specified time and day)
 - ... other advanced functions
- Timer or continuous operation
- PID temperature controller
- Visual and sound alarm in the event of failure
- LED indication:
 - Operation of the heaters
 - Operation of the fan
 - Programme in operation
 - Programme completed
 - Programme stopped with STOP
 - Temperature sensor error
- Display and temperature setting resolution 0.1°C
- Temperature stability $\pm 0.1^\circ\text{C}$
- An adjustable exhaust system with a lever on the doors
- Double protection system against high temperatures
 - when the temperature is 5°C above the set level, the operation of the heating elements is disabled
 - mechanical over temperature shut off device
- The interior casing is made of stainless steel AISI 304
- The exterior is made of aluminized sheet, powder coated RAL 7035
- Two stainless steel wire shelves
- RS – 232 communication port



- Interlock with the possibility of locking (keys added)
- Programme for the temperature probe calibration
- Instructions for working with the electrical layout and the CE declaration of conformity

Type	Volume	Internal dimensions (HxWxL) mm	External dimensions (HxWxL) mm	Wattage
SP – 45 C	44 L	355 x 335 x 370	590 x 560 x 600	230V~50/60 Hz 1,25 kW
SP – 105 C	105 L	490 x 500 x 430	725 x 725 x 660	230V~50/60 Hz 1,65 kW
SP – 160 C	163 L	650 x 560 x 450	855 x 785 x 680	230V~50/60 Hz 2,25 kW
SP – 190 C	190 L	600 x 615 x 515	835 x 840 x 745	230V~50/60 Hz 2,25 kW
SP – 210 C	210 L	700 x 600 x 500	935 x 825 x 730	230V~50/60 Hz 2,25 kW
SP – 250 C	250 L	500 x 1000 x 500	735 x 1230 x 720	230V~50/60 Hz 3,3 kW
SP – 265 C	264 L	600 x 800 x 550	835 x 1025 x 780	230V~50/60 Hz 3,25 kW
SP – 440 C	440 L	1000 x 800 x 550	1235 x 1025 x 735	3x400V~50/60 Hz 3,7 kW
SP – 910 C	910 L	1000 x 1300 x 700	1280 x 1975 x 875	3x400V~50/60 Hz 9,5 kW
SP – 1300 C	1288 L	1060 x 1430 x 850	1340 x 2100 x 990	3x400V~50/60 Hz 10,5 kW

Laboratory dryers, sterilizers - 'S' series with natural air circulation

Standard equipment:

- Temperature range Tambient + 5°C ÷ 300°C
- Natural circulation without the fan
- Innovative air flow system, which enables high temperature uniformity and stability
- Simple microprocessor controller with a LED display
- Timer or continuous operation
- PID temperature controller
- Visual and sound alarm in the event of failure
- LED indication:
 - Operation of the heaters
 - Programme in operation
 - Programme completed
 - Programme stopped with STOP
 - Temperature sensor error
- Display temperature resolution 0.1°C
- Temperature stability $\pm 0.1^\circ\text{C}$
- An adjustable exhaust system with a lever on the doors
- Double protection system against high temperatures
 - when the temperature is 5°C above the set level, the operation of the heating elements is disabled
 - mechanical over temperature shut off device
- The interior casing is made of stainless steel AISI 304
- The exterior is made of aluminized sheet, powder coated (RAL 7035)
- Two stainless steel wire shelves
- RS – 232 communication port
- Interlock with the possibility of locking (keys added)
- Programme for the temperature probe calibration
- Instructions for working with the electrical layout and the CE declaration of conformity



Type	Volume	Internal dimensions (HxWxL) mm	External dimensions (HxWxL) mm	Wattage
S – 50	50 L	355 x 335 x 415	590 x 560 x 600	230V~50/60 Hz 1,2 kW
S – 115	116 L	490 x 500 x 475	725 x 725 x 660	230V~50/60 Hz 1,6 kW

S – 205	206 L	600 x 615 x 560	835 x 840 x 745	230V~50/60 Hz 2,2 kW
S – 285	285 L	600 x 800 x 595	835 x 1025 x 780	230V~50/60 Hz 3,25 kW
S – 475	476 L	1000 x 800 x 595	1235 x 1025 x 735	3x400V~50/60 Hz 3,7 kW

Laboratory dryers, sterilizers – 'S' series with natural air circulation and a 'C' series controller

Standard equipment:

- Temperature range Tambient + 5°C ÷ 300°C
- Natural air circulation without the fan
- Innovative air flow system, which enables high temperature uniformity and stability
- Microprocessor controller with an LCD display – fully programmable
 - 10 automatic programmes
 - Up to 10 steps in each programme
 - Start-up (at a specified time and day)
 - ... other advanced functions
- Timer or continuous operation
- PID temperature controller
- Visual and sound alarm in the event of failure
- LED indication:
 - Operation of the heaters
 - Programme in operation
 - Programme completed
 - Programme stopped with STOP
 - Temperature sensor error
- Display and temperature setting resolution 0.1°C
- Temperature stability $\pm 0.1^\circ\text{C}$
- An adjustable exhaust system with a lever on the doors
- Double protection system against high temperatures
 - when the temperature is 5°C above the set level, the operation of the heating elements is disabled
 - mechanical over temperature shut off device
- The interior casing is made of stainless steel AISI 304
- The exterior is made of aluminized sheet, powder coated (RAL 7035)
- Two stainless steel wire shelves
- RS – 232 communication port
- Interlock with the possibility of locking (keys added)
- Programme for the temperature probe calibration
- Instructions for working with the electrical layout and the CE declaration of conformity



Type	Volume	Interior (VxSxD) mm	Eksterior (VxSxD) mm	Wattage
S – 50 C	50 L	355 x 335 x 415	590 x 560 x 600	230V~50/60 Hz 1,2 kW
S – 115 C	116 L	490 x 500 x 475	725 x 725 x 660	230V~50/60 Hz 1,6 kW
S – 205 C	206 L	600 x 615 x 560	835 x 840 x 745	230V~50/60 Hz 2,2 kW
S – 285 C	285 L	600 x 800 x 595	835 x 1025 x 780	230V~50/60 Hz 3,25 kW
S – 475 C	476 L	1000 x 800 x 595	1235 x 1025 x 735	3x400V~50/60 Hz 3,7 kW

Simple dryers, sterilizers - 'EASY' series dry

Standard equipment:

- Temperature range Tambient + 5°C ÷ 300°C
- Forced air circulation with a fan
- Simple digital controller with LED display
- PID temperature regulator
- Visual and sound alarm in the event of failure
- Timer function – one stage
- Display temperature resolution 0.1°C
- Adjustable exhaust
- The interior casing is made of stainless steel (AISI 304)
- The exterior is made of aluminized sheet, powder coated (RAL 7035)
- Two stainless steel wire shelves
- RS – 232 communication port
- Interlock with the possibility of locking (keys added)
- Programme for the temperature probe calibration
- Instructions for working with the electrical layout and the CE declaration of conformity



Functionality:

- Sterilization with hot air
- Material drying
- Heating medium or industrial masses

Advantages:

- Very simple to use
- Perfect balance between the exterior dimensions and used volume
- Inner rounded edges of the chamber enable a simple and quality cleaning
- Light weight of the equipment
- Easily adjustable shelf height

Type	Volume	Internal dimensions (eHxWxL) mm	External dimensions (HxWxL) mm	Wattage
SP - 25 EASY	25 L	250 x 350 x 300	360 x 470 x 520	230V~50/60Hz 0,9 kW
SP - 55 EASY	55 L	400 x 400 x 350	510 x 520 x 570	230V~50/60Hz 0,9 kW
SP - 120 EASY	120 L	600 x 500 x 400	710 x 620 x 620	230V~50/60Hz 1,6 kW
SP - 240 EASY	240 L	600 x 800 x 500	710 x 920 x 720	230V~50/60Hz 1,6 kW

Additional equipment:

- Calibration with a report (10 points 3 temperatures)
 - Calibration with a report (1 point 1 temperature)
 - An additional shelf for all models
 - Ventilation unit for additional extraction
 - Special extra features depending on the client's needs
- [More about the additional equipment >>](#)

Laboratory varnish dryers with special protection systems

The LSP Dryers are designed to assist the industrial processes of varnish drying using the processes of COIL COATING, HOT AIR CYCLE, etc. We recommend them to paint and varnish manufacturers for material testing and optimum setting of working parameters with larger dryers.

All dryers have a built-in programme for rapid temperature probe calibration.

Standard equipment:



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- Temperature range $T_{\text{ambient}} + 5^{\circ}\text{C} \div 300^{\circ}\text{C}$
- Forced air circulation with a fan
- Forced circulation of fresh air – safety function, when the flow is suspended, the operation of heaters is shut down
- Fresh air flow control – safety function, when the flow is suspended, the operation of the heaters is shut down
- Flow control of inner air
- Microprocessor controller with an LCD display – fully programmable
 - 10 automatic programmes
 - Up to 10 steps in each programme
 - Start-up (at a specified time and day)
 - ... other advanced functions
- Timer or continuous operation
- PID temperature controller
- Visual and sound alarm in the event of failure
- LED indication:
 - Operation of the heaters
 - Operation of the fan
 - Programme in operation
 - Programme completed
 - Programme stopped by STOP
 - Error
- Display and temperature setting resolution 0.1°C
- Temperature stability $\pm 0.1^{\circ}\text{C}$
- Double protection system against the high temperatures
 - when the temperature is 5°C above the regulated level, the operation of the heaters is shut down,
 - mechanical safety thermostat
- The interior casing is made of stainless steel AISI 304
- The exterior is made of aluminized sheet, powder coated (RAL 7035)
- Two stainless steel wire shelves
- RS – 232 communication port
- Interlock with the possibility of locking (keys added)
- Programme for the temperature probe calibration

Instructions for working with the electrical layout and the CE declaration of conformity

Type	Internal dimensions (HxWxL) mm	External dimensions (HxWxL) mm	Wattage
LSP-45 C	350 x 350 x 350	940 x 845 x 960	230V~50/60Hz 1,6 kW
LSP-105 C	490 x 500 x 430	870 x 785 x 615	230V~50/60Hz 3,1 kW
LSP-190 C	600x615x515	980x900x700	3x400V~50/60Hz 4,6 kW
LSP-210 C	580 x 600 x 600	1000 x 1550 x 1100	3x400V~50/60Hz 12,0 kW
LSP-215 C	Na zahtevo	Na zahtevo	Na zahtevo
LSP-252 C	Na zahtevo	Na zahtevo	Na zahtevo

High Temperature Chambers - Dryers

Standard equipment:

- Temperature range $T_{\text{ambient}} + 5^{\circ}\text{C} - 500^{\circ}\text{C}$ (600°C)
- Forced air circulation with a fan
- Innovative air flow system, which enables high temperature uniformity and stability
- Microprocessor controller with an LCD display – fully programmable

- 10 automatic programmes
 - Up to 10 steps in each programme
 - Fan speed adjustment
 - Start-up (at a specified time and day)
 - Other advanced functions
 - Timer or continuous operation
 - PID temperature controller
 - Visual and sound alarm in the event of failure
 - Display and temperature setting resolution: 1°C
 - Temperature stability $\pm 1^\circ\text{C}$
 - Adjustable exhaust system
 - Double protection system against the elevated temperature
- when the temperature is 5°C above the regulated, the operation of the heaters elements is shut down,
 - mechanical safety thermostat



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- The exterior is made of aluminized sheet, powder coated (RAL 7035)
- Two stainless steel wire shelves
- RS – 232 communication port
- Programme for the temperature probe calibration
- Strong construction
- Ceramic insulation with an air pocket to prevent the heating of the exterior casing

The instructions for working with the electrical layout and the CE declaration of conformity

Type	Interior (VxŠxD) mm	Eksterior (VxŠxD) mm	Wattage
SP – 60 C FIRE	400 x 400 x 390	950 x 670 x 780	3x400V~50/60Hz 3,2 kW
SP – 60 C FIRE (230V 1N)	400 x 400 x 390	950 x 670 x 780	230V~50/60Hz 2,8 kW
SP – 190 C FIRE	600 x 600 x 530	950 x 845 x 960	3x400V~50/60Hz 9,2 kW
SP – 320 C FIRE	825 x 525 x 820	1540 x 1620 x 1340	3x400V~50/60Hz 20 kW

Optional additional equipment

- Calibration with a report (10 points, 3 temperatures)
- Additional wire shelf
- Additional shelf made of perforated sheet
- Access port with plugs (S 40mm , S 50mm , S 90mm)
- The interior is constructed with the AISI 316 material
- Observation glass on the doors and a light in the chamber
- Printer for recording the procedure
- Software equipment for monitoring and recording the measured values on a PC

[More about the additional equipment >>](#)



Please [contact us](#) for more information and questions about our products and services.