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Data sheet

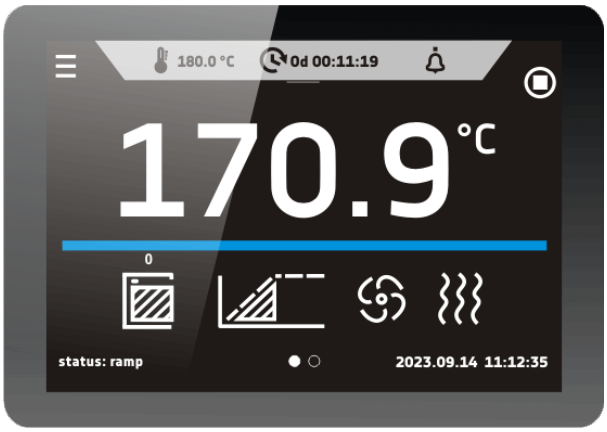
print date: 2026-07-21

Drying Oven with nitrogen blow

SLWN 53 Smart

The photo above is for reference only, may show additional options not included in standard equipment. The real appearance, particularly color and structure of the material may differ from the ones presented in the photo.

Advantages of the SMART controller:
- 4,3”, clear, full colour touch screen
- LAN, USB ports for data transfer
- multi-segment time and temperature programs
- visual and sound alarm
- internal memory for programs and data storage
- event registry
- user manual for direct download
- Quick change of program parameters
- Alarm Bar
- operating with gloves on



Smart - preview screen

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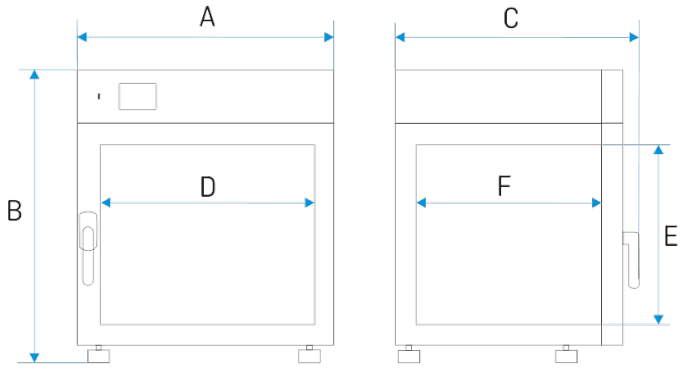
TECHNICAL DATA	
air convection	forced
chamber capacity [l]	83
working capacity [l]	55
controller	microprocessor PID
display	4,3" full colour touch screen
TEMPERATURE	
temperature range [°C]	5°C above ambient temperature ... +300°C
temperature resolution every ... [°C]	0,1
temperature fluctuation at 105°C [+/-°C]*	0,2
temperature variation at 105°C [+/-°C]*	2
temperature protection	class 2.0 to DIN 12880 / class 3.1 (option)
CHAMBER	
door type	solid / door with viewing window (option)
interior	
Smart	corrosion-resistant stainless steel to DIN 1.4301
housing	
Smart	powder coated sheet

overall dims [mm] /1/	
width A	590
height B	710
depth C	630
internal dims [mm]	
width D	400
height E	390
depth F	350



shelves (standard | max)	2 | 5
max shelf workload [kg] /2/	25
- reinforced shelf version (PW) [kg] /3/	50
max unit workload [kg]	40
- reinforced unit version (W) [kg] /4/	80
weight [kg]	50

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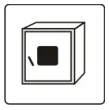
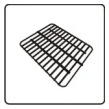
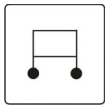
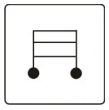
ELECTRICAL PARAMETERS	
voltage	230V 50/60Hz
nominal power [W]	1700
warranty	24 months
manufacturer	POL-EKO®

Available models:
SLWN1 the kit includes connections, valves and a laboratory rotameter (which can be calibrated)
SLWN2 the kit includes connections, valves and a tech rotameter (which cannot be calibrated)
type of rotameter must be specified while placing an order (it is not possible to change a technical rotameter into a laboratory one and vice versa)

all the above technical data refer to standard units (without optional accessories)
* - fluctuation measured in centre of the chamber; in space, variation (K) calculated for chamber as:
K= +/- (T average max. - T average min.) / 2
** - other power supplies on request
1 - depth doesn't include 50 mm of power cable
2 - on uniformly loaded surface
3 - reinforced shelf
4 - reinforced version

OPTIONS AND ACCESSORIES

	Order number: */A	door with viewing window
	Order number: */P INOX	Stainless steel wire shelf INOX
	Order number: */PP	Perforated shelf
	Order number: */PW	Reinforced shelf
	Order number: KUW GN*/*	Stainless steel cuvettes
	Order number: QLK*	Castors
	Order number: */S or */S INOX	Table with castors
	Order number: */ST or */S INOX	Base on castors
	Order number: */W	Reinforced version

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Order number: OWW/OWW LED	Interior lighting
Order number: HEPA	HEPA Clean Air Filter
Order number: LabDesk	LabDesk software
Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
Order number: */3.1	Over temperature protection 3.1 class according to DIN 12880
Order number: BPP 12	Battery backup for display
Order number: PORT ALARM	Dry alarm contact
Order number: LANK	LAN cable
Order number: 5-1200-5009-0401001	Solenoid valve SLWN