

Data sheet

print date: 2026-02-27

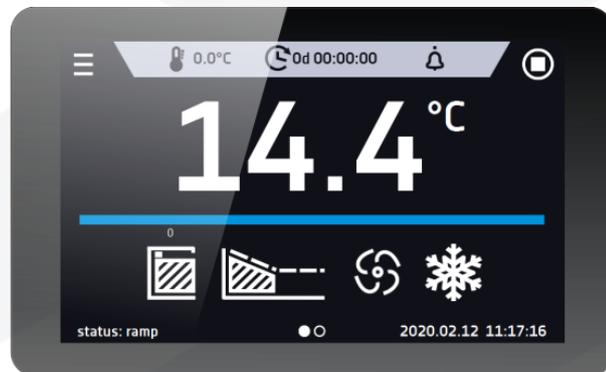
Drying Oven with nitrogen blow
SLWN 53 Smart



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

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

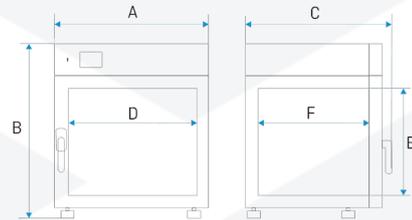
door type	solid / door with viewing window (option)
interior	
Smart	acid-proof stainless steel to DIN 1.4301
housing	
Smart	powder coated sheet

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

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:

$K = \frac{T_{\text{average max.}} - T_{\text{average min.}}}{2}$

** - other power supplies on request

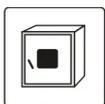
1 - depth doesn't include 50 mm of power cable

2 - on uniformly loaded surface

3 - reinforced shelf

4 - reinforced version

OPTIONS AND ACCESSORIES



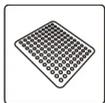
Order number: */A

door with viewing window



Order number: */P INOX

Stainless steel wire shelf INOX



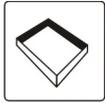
Order number: */PP

Perforated shelf



Order number: */PW

Reinforced shelf



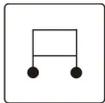
Order number: KUW GN*/*

Stainless steel cuvettes



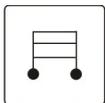
Order number: QLK*

Castors



Order number: */S or */S INOX

Table with castors



Order number: */ST or */S INOX

Base on castors



Order number: */W

Reinforced version



Order number: OWW/OWW LED

Interior lighting



HEPA

Order number: HEPA

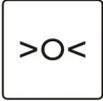
HEPA Clean Air Filter



**LAB
DESK**

Order number: LabDesk

LabDesk software



>O<

Order number: BRT*/L or IQ/OQ/PQ

Calibration and IQ, OQ, PQ qualification



**DIN
3.1**

Order number: */3.1

Over temperature protection 3.1 class according to DIN 12880



((•))

Order number: KD

Access control



⚡

Order number: BPP 12

Battery backup for display



ALARM

☐☐

Order number: PORT ALARM

Dry alarm contact



LAN

Order number: LANK

LAN cable



⚡

Order number: 5-1200-5009-0401001

Solenoid valve SLWN