



**POL-EKO**  
Perfect Environment

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**POL-EKO A. Polok-Kowalska sp.k.**  
44-300 Wodzisław Śląski  
ul. Kokoszycka 172 C

## Data sheet

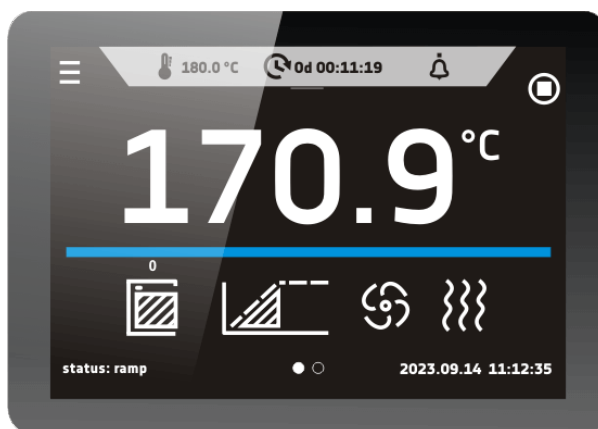
## Drying Oven with nitrogen blow SLWN 53 Smart



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] | 56                            |
| working capacity [l] | 56                            |
| controller           | microprocessor PID            |
| display              | 4,3" full colour touch screen |

## TEMPERATURE

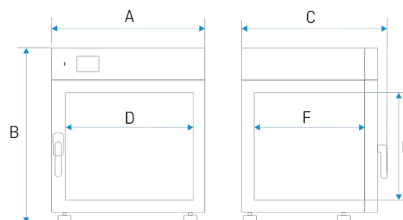
|                                          |                                             |
|------------------------------------------|---------------------------------------------|
| temperature range [°C]                   | 5°C above ambient temperature ... +300°C    |
| temperature resolution every ... [°C]    | 0,1                                         |
| temperature fluctuation at 105°C [+/°C]* | 0,2                                         |
| temperature variation at 105°C [+/°C]*   | 2,0                                         |
| temperature protection                   | class 2.0 to DIN 12880 / class 3.1 (option) |

## CHAMBER

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

### overall dims [mm] /1/

|                           |     |
|---------------------------|-----|
| width A                   | 590 |
| height B                  | 710 |
| depth C                   | 620 |
| <b>internal dims [mm]</b> |     |
| width D                   | 400 |
| height E                  | 390 |
| depth F                   | 360 |



|                                          |       |
|------------------------------------------|-------|
| 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:

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

\*\* - other power supplies on request

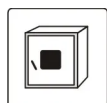
1 - depth doesn't include 50 mm of power cable

2 - on uniformly loaded surface

3 - reinforced shelf

4 - reinforced version

## OPTIONS AND ACCESSORIES



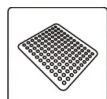
Order number: \*/A

door with viewing window



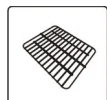
Order number: \*/P INOX

Stainless steel wire shelf INOX



Order number: \*/PP

Perforated shelf



Order number: \*/PW

Reinforced shelf



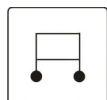
Order number: KUW GN\*/\*

Stainless steel cuvettes



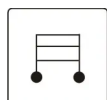
Order number: QLK\*

Castors



Order number: \*/S or \*/S INOX

Table with castors



Order number: \*/ST or \*/S INOX

Base on castors



Order number: \*/W

Reinforced version



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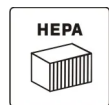
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Order number: OWW/OWW LED

Interior lighting



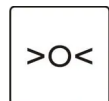
Order number: HEPA

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



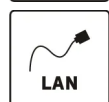
Order number: BPP 12

Battery backup for display



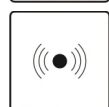
Order number: PORT ALARM

Dry alarm contact



Order number: LANK

LAN cable



Order number: KD

Access control