Drying ovens are designed to provide high temperatures up to 300°C

USB port

access port (Ø30 mm)

stainless steel
wire shelf

door lock

solid doors

castors

Drying oven SLW 1000 IG Smart PRO

All thermostatic equipment manufactured by POL-EKO can be provided with Calibration Certificate issued by accredited Measurement Laboratory. Detailed information on accreditation is available on website: www.pol-eko.eu.

Such a wide range of products and sale to so many different markets requires extensive knowledge of tax regulations. We are supported in this regard by the ERP integrated management system implemented in 2019 and the involvement of employees of all departments of our company. Data flow and correct system configuration allows precise determination of costs of the tiniest elements and controlling of all processes.

STANDARD FEATURES

- temperature range 5°C above ambient temperature...+300°C
- quality control protocol (at +105°C)
- English instruction manual
- temperature protection class 2.0 (Smart) and 3.1 (Smart PRO) to DIN 12880
- open door alarm
- castors in standard for models SL 400, 750, 1000
- Ø40 mm air-flap for SL 15-180 and Ø60 mm for SL 240-1000
- LAN and USB ports
- access port: Ø30 mm for models 53-1000 or Ø9 mm for models 15, 32 on the left wall
- door lock
- stainless steel wire shelves (INOX)
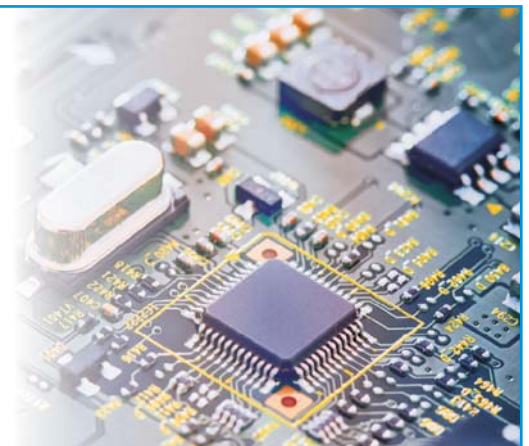- solid door

AVAILABLE VERSIONS

- Smart
- Smart PRO
- reinforced
- SIMPLE
- with nitrogen blow

SOFTWARE

- LabDesk for data download to a PC via LAN or Wi-Fi (optional for Smart version)

EXTRA FOR **SMART PRO**

- Wi-Fi
- LAN cable
- LabDesk

Application

- thermal resistance analysis of building materials, electronic and electro-technical components
- tests of properties of products subjected to high temperatures
- drying of wires of papermaking machines
- drying of laboratory glass
- general aging
- preheating
- digestion of proteins
- plant tissues drying
- drug metabolism
- paper drying

Parameter		SL 15	SL 32	SL 53	SL 75	SL 115	SL 180	SL 240	SL 400	SL 750	SL 1000
air convection		natural (SLN) / forced (SLW)							forced (SLW)		
chamber capacity [l]		15	32	56	75	112	180	245	424	749	1005
door type		solid		solid/door with viewing window (option)							
temperature range		+5°C above ambient temperature ...+300°C									
temperature resolution [°C]		every 0,1									
controller		microprocessor PID, 4,3" (Smart) / 7" (Smart PRO) full colour touch screen									
interior		acid-proof stainless steel to DIN 1.4301									
housing	-	powder coated sheet									
	IG (Inox/G)	stainless steel linen finish									
overall dims[1] [mm]	A width	510	590	590	590	660	660	820	1020	1260	1260
	B height	550	640	710	850	850	1040	1140	1430	1600	2000
	C depth	470	520	620	620	710	820	770	770	880	880
internal dims [mm]	D width	320	400	400	400	460	470	600	800	1040	1040
	E height	230	320	390	530	540	720	800	1040	1200	1610
	F depth	200	250	360	360	450	560	510	510	600	600
max shelf workload[4] [kg]	-	10	10	25	25	25	25	25	25	-	-
	PW[2] version	-	-	50	50	50	50	100	100	100	100
max unit workload [kg]	-	20	30	40	40	60	75	90	120	140	-
	W[3] version	-	-	80	80	120	120	300	300	300	300
nominal power [W]		700	1200	1700	1700	2500	2500	3100	4000	5500	5500
weight[6] [kg]		31	35	48	60	65	88	114	162	260	307
temperature fluctuation* at +105°C [+/- °C]	SLN	0,4	0,4	0,4	-	0,4	0,4	0,6	-	-	-
	SLW	0,3	0,3	0,2	0,2	0,2	0,2	0,4	0,4	0,6	0,6
temperature variation* at +105°C [+/- °C]	SLN	2,5	2,5	2,0	-	2,2	2,3	2,5	-	-	-
	SLW	2,0	2,0	2,0	2,0	2,0	2,0	2,0	2,5	2,5	3,0
over temperature protection		class 2.0 to DIN 12880 / class 3.1 (option) / class 3.1 in Smart PRO									
power supply**		230V 50-60Hz							400V 50-60Hz		
shelves fitted/max		1 / 2	1 / 3	2 / 5	2 / 5	2 / 7	3 / 9	3 / 10	3 / 14	5 / 16	6 / 22
warranty		24 months									
manufacturer		POL-EKO									

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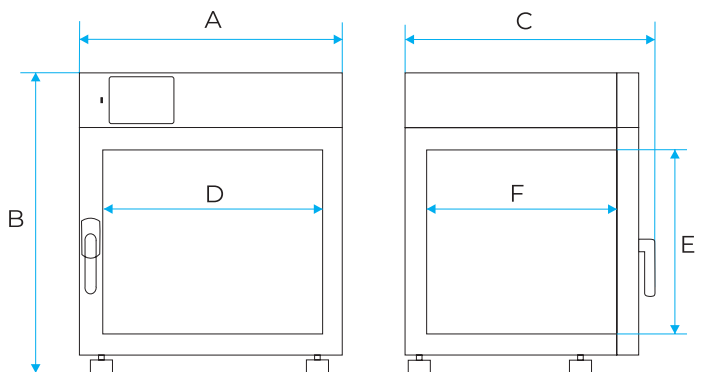** – other power supplies on request
1 – depth doesn't include 50 mm of power cable
2 – reinforced shelf
3 – reinforced version
4 – on uniformly loaded surface

Options and accessories (icon description see pages 80-86)