

Drying ovens

Application

- thermal resistance analysis of building materials, electronic and electrotechnical components etc.
- monitoring properties of products subjected to high temperatures
- drying of wires of papermaking machines
- drying of laboratory glass
- general aging and curing
- general heating
- ordnance material testing
- preheating
- vulcanization studies
- agricultural genetic conditioning
- digestion of proteins
- drying of plant tissues
- drug metabolism
- life and exposure studies
- paper drying
- serum protein analysis
- suspended solids evaluation



Advantages

- available in ECO, STD and TOP+ versions (SL 15 and 32 in ECO version only)
- chamber capacity from 15 to 1005 litres
- stainless steel interior
- housing, depending on model: powder coated sheet or stainless steel linen finish (**INOX/G**)
- forced or natural air convection (depending on model)
- fan speed regulation from 0 to 100% for SLW 53, 115 and 240 from 10 to 100% for SLW 400, 750 and 1000
- heating system (the temperature in chamber cannot be lower than the ambient temperature)
- SLW 750 and SLW 1000 models equipped with wheels
- LCD time and temperature display in ECO and STD version (except SL 15 and 32 with LED display); LCD touch screen in TOP+ version
- microprocessor time and temperature controller
- temperature sensor fail alarm (see page 56)
- power failure control system (see page 56)
- real time clock
- sound alarm (see page 56)
- self-check function (auto control)

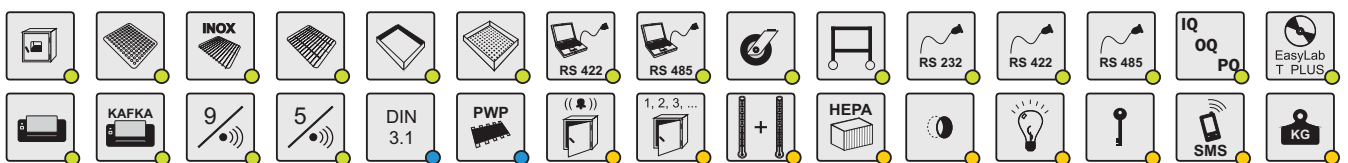
Program possibilities

- ECO version (see page 25)
- STD version (see page 26)
- TOP+ version (see page 27-28)

Standard equipment

- solid door
- RS 232 interface; RS 232 cable must be purchased additionally (RSK)
- stainless steel wire shelves (1-6 pieces, depending on model) with slides set
- manufacturer's test certificate at +105 °C
- operation manual in English and English menu (other languages on request)
- over temperature protection according to DIN 12880: 1.0 class in ECO version, 2.0 class in STD version, 3.1 class in TOP+ version

Options and accessories (icon description see page 51)



● for ECO, STD and TOP+ ● for STD only ● for STD and TOP+



All POL-EKO-APARATURA products can be provided with IQ, OQ, PQ qualifications (see page 70)











All POL-EKO-APARATURA products can be supplied with a calibration certificate issued by an accredited Measurement Laboratory. Further information is available on pages 69-70 and our website: www.pol-eko.eu

SL Drying ovens



Available options

- SL*/A** - door with viewing window
(temperature limited to +250°C)
- SL*/W** - reinforced version
- PW** - reinforced shelf

Model		SL 15	SL 32	SL 53	SL 115	SL 240	SL 400	SL 750	SL 1000	
Parameter										
air convection		natural (SLN)	natural (SLN) / forced (SLW)			forced (SLW)				
chamber capacity ¹	[l]	15	32	56	112	245	424	749	1005	
	[cu ft]	0,5	1,1	2	3,9	8,6	15	26,4	35,5	
door type		solid		solid / door with viewing window (option)						
temperature range	[°C]	5° above ambient temperature ...+300° (+250° in ECO version)								
	[°F]	41° above ambient temperature ...+572° (+482° in ECO version)								
controller		microprocessor with external display								
interior		stainless steel, acid-proof according to DIN 1.4301								
housing		powder coated sheet /stainless steel linen finish (INOX/G)								
overall dims [mm]	width	440	520	590	650	815	1015	1255	1255	
	height	520	600	700	845	1140	1380	1620	2030	
	depth	350	435	560	650	710	710	810	810	
internal dims [mm]	width	320	400	395	460	600	800	1040	1040	
	height	240	320	395	540	800	1040	1200	1610	
	depth	180	240	360	450	510	510	600	600	
max shelf workload [kg]	-	10	10	10	10	10	10	10	10	
	PW shelf	-	-	50	50	100	100	100	100	
max unit workload [kg]	-	20	30	40	60	90	120	140	180	
	W version	-	-	80	120	300	300	300	300	
nominal power [W]		600	1100	1600	2400	3000	3900	5400	5700	
weight [kg]		27	35	50	65	126	174	260	330	
temperature resolution [°C]		every 0,1 (1,0 in ECO version)								
temperature fluctuation ² at 105°C [°C]	SLN	±0,7	±0,4	±0,3	±0,5	±0,6	-	-	-	
	SLW	-	±0,4	±0,3	±0,5	±0,5	±0,5	±0,5	±0,5	
over temperature protection		class 1.0 in ECO/2.0 in STD/3.1 in TOP+								
voltage 50/60 Hz [V]		110-120/220-240					400/208 3/N			
shelves fitted / max		1/2	1/3	2/5	2/7	3/10	3/14	5/16	6/22	
warranty		24 months								
manufacturer		POL-EKO-APARATURA								

1 - working capacity of chamber can be smaller

2 - fluctuation measured in centre of the chamber

Pass-through drying ovens

Application

- drying of painted and lacquered components
- drying/sterilizing of components between clean and dirty zones
- drying of components on production line








Pass-through drying ovens

Our main goal is to provide the customer with the highest satisfaction if it comes to flexibility of our offer and individual solutions.

Pass-through drying ovens are based on standard models of drying ovens and are available in 5 capacities: 112, 245, 424, 749 and 1005 liters.

Each request for such equipment is given professional advice and is discussed in details, therefore we kindly ask you to contact us on this matter.



Parameter		Model	SLWP 115	SLWP 240	SLWP 400	SLWP 750	SLWP 1000
							
air convection			forced				
chamber capacity ¹	[l]		112	245	424	749	1005
	[cu ft]		3,9	8,6	15	26,4	35,5
door type			solid / door with viewing window (option)				
temperature range	[°C]		5° above ambient temperature ...+300°				
	[°F]		41° above ambient temperature ...+572°				
controller			microprocessor with external display				
interior			stainless steel, acid-proof according to DIN 1.4301				
housing			powder coated sheet /stainless steel linen finish (INOX/G)				
overall dims [mm]	width		650	815	1015	1255	1255
	height		885	1180	1420	1660	2070
	depth		630	690	690	790	790
internal dims [mm]	width		460	600	800	1040	1040
	height		540	800	1040	1200	1610
	depth		480	540	540	630	630
max shelf workload [kg]	-		10	10	10	10	10
	PW shelf		50	100	100	100	100
max unit workload [kg]	-		60	90	120	140	180
	W version		120	300	300	300	300
nominal power [W]			2400	3000	3900	5400	5700
weight [kg]			65	126	174	260	330
temperature resolution [°C]			every 0,1				
temperature fluctuation ² at 105°C [°C]			±0,5	±0,5	±0,5	±0,5	±0,5
over temperature protection			class 2.0				
voltage 50/60 Hz [V]			110-120/220-240		208/400 3/N		
shelves fitted / max			2/7	3/10	3/14	5/16	6/22
warranty			24 months				
manufacturer			POL-EKO-APARATURA				

1 - working capacity of chamber can be smaller
2 - fluctuation measured in centre of the chamber