

## Sterilizers

### Application

- drying of laboratory glass
- hot-air sterilization

Hot-air sterilizers have been equipped with a couple of additional functions that protect samples. They can sterilize at temperatures of up to 250 °C.

+5 °C above ambient temp...+250 °C



### Calibration









All thermostatic equipment manufactured by POL-EKO-APARATURA can be provided with Calibration Certificate issued by accredited Measurement Laboratory. Detailed information on accreditation of POL-EKO Laboratorium Pomiarowe is available on website: [www.polekolab.pl](http://www.polekolab.pl).

Sterilizers are equipped with the following features:

- factory preset sterilizing programs
- door locked automatically while sterilizing
- air-flap closed automatically after launching the program
- 20 user programs memory

Sterilizers are available in the STD version only.

Model		SR 53	SR 115	SR 240	SR 400	SR 750	SR 1000
							
Parameter							
air convection		natural (SRN) / forced (SRW)			forced (SRW)		
chamber capacity¹ [l]		56	112	245	424	749	1005
door type		solid / door with viewing window (option)					
temperature range		5 °C above ambient temperature ...+250 °C					
controller		microprocessor with external LCD graphic display					
interior		acid-proof stainless steel to DIN 1.4301					
housing	-	powder coated sheet					
	INOX/G	stainless steel linen finish					
overall dims² [mm]	width	595	655	815	1015	1260	1260
	height	700	845	1135	1375	1590	2000
	depth	600	700	760	760	865	865
internal dims [mm]	width	395	460	600	800	1040	1040
	height	395	540	800	1040	1200	1610
	depth	360	450	510	510	600	600
max shelf workload [kg]	-	10	10	10	10	-	-
	PW³ version	50	50	100	100	100	100
max unit workload [kg]		40	60	90	120	140	-
nominal power [W]		1600	2400	3000	3900	5400	5400
weight [kg]		50	65	126	174	260	330
temperature resolution [ °C]		every 0,1					
temperature fluctuation⁴ at +170 °C [ °C]	SRN	±0,4	±0,6	±0,7	-	-	-
	SRW	±0,3	±0,3	±0,5	±0,6	±1,1	±1,3
temperature variation⁵ at +170 °C [ °C]	SRN	±2,2	±2,6	±3,4	-	-	-
	SRW	±2,0	±2,3	±3,3	±3,0	±3,4	±3,5
over temperature protection		class 2,0 to DIN 12880 / class 3,1 (option)					
voltage		230V 50Hz*			400 3/N**		
shelves fitted		2	2	3	3	5	6
warranty		24 months					
manufacturer		POL-EKO-APARATURA					

\* - 230V 60Hz. 115V also available

\*\* - 3P 400V 60Hz, 3P 230V 60Hz also available

1 - working capacity of chamber can be smaller

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

3 - reinforced shelf

4 - fluctuation measured in centre of chamber

5 - in space

### Options and accessories (icon description see page 55)



Options and accessories	SR	Order number
internal glass door <sup>1</sup>		*/C
external glass door <sup>1,8</sup>		*/A
door with viewing window <sup>4,7</sup>	•	*/A
internal socket <sup>1,5</sup>		GNZ
internal lighting <sup>4,5</sup>	•	OWW/OWW LED
wire shelf <sup>1,3</sup>		*/P
stainless steel wire shelf <sup>1,9</sup>	•	*/P INOX
perforated shelf <sup>1</sup>	•	*/PP
reinforced shelf	•	*/PW
extended temperature range to +70 °C <sup>1</sup>		ST/70
reinforced version	•	*/W
low temperature version <sup>1,10</sup>		*/T
photoperiodic system - FOT <sup>1</sup>		*/FOT
phytotron system - FIT <sup>11</sup>		*/FIT
automatic defrosting function		*PLUS
over temperature protection system to DIN 12880 <sup>1</sup>	3.1	*/**
stainless steel cuvettes	•	KUW GN */*
aluminum drawer with powder coated slides		*/SWP ALU
stainless steel drawer with powder coated slides		*/SWP INOX
stainless steel drawer with stainless steel slides		*/SWPN INOX
humidity measurement <sup>5</sup>		PHR
door openings counter <sup>1</sup>	•	LOD
fan speed control	S	ST/CHL WENT
additional Pt 100 temperature sensor	•	PT100
HEPA - fresh air filter	•	HEPA
RS 422 interface (instead of RS 232) <sup>1</sup>	•	RS422
RS 485 interface (instead of RS 232) <sup>1</sup>	•	RS485
wheels	•	QLK*
table with wheels <sup>2</sup>	•	*/S, */INOX
RS 232 cable <sup>1</sup>	•	RSK
RS 422 cable <sup>1</sup>	•	RSK/422
RS 485 cable <sup>1</sup>	•	RSK/485
USB cable <sup>1</sup>	•	USBK
EasyLab Professional software	•	EasyLab Profess.
dot printer <sup>1</sup>	•	EPSON
thermal printer <sup>1</sup>	•	KAFKA
chamber calibration <sup>1</sup>	•	BRT/L
IQ, OQ, PQ qualification <sup>1</sup>	•	IQ/OQ/PQ
container for deionized water		KK/Z
container for waste water		KK/K
water level sensor		KK/CP
FIT panels independent control <sup>11</sup>		FIT/R3
magnetic door lock <sup>12</sup>		*/ZKM
chart recorder <sup>12</sup>		*/RK

\* - model (e.g. ST1, IL 53)

\*\* - over temperature protection system (e.g. 3.1)

1 - for double chamber units, the option available for both chambers separately

2 - unavailable for 400, 500, 700, 750, 1200, 1000 and 350/350 models, ST/CHL 4 and 5

3 - only for BASIC models

4 - in case of SL range, maximum temperature is reduced to +250°C

option unavailable for CL/SL 15/32

5 - in case of CL/IL in TOP+ version, maximum temperature is reduced to +70°C

6 - models BASIC, COMFORT and PREMIUM

7 - for KK 115, 240, 400, 750

8 - for KK 500, 700, 1200, 1450

9 - for ZLN 85

10 - for CHL 500, 700, 1200, 1450, 350/350

11 - thermostatic cabinets ST 500, 700, 1200, 1450

12 - for ST/CHL 500, 700, 1200, 1450

s - standard equipment

• - available option