

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



Sterilizer SRW 240 Smart IG



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



The highest level of customer service is our priority. Our goal is to be a consulting company. We do our best to ensure that our sales department staff are not only simply sales people but also engineers whose knowledge and experience would allow to find the best solution for each application. It is our philosophy. We never leave our customers without support. We approach them with great attention to appreciate their trust in us. Always there to help - we advise, train and make suggestions to our colleagues from the R&D department what needs arise in the market and what solutions the customers expect.

Małgorzata Szafarczyk, Head of Sales Department



STANDARD FEATURES

- temperature range: +5°C above ambient temperature... +250°C
- other features like for drying ovens SL (see page 52)

ADVANTAGES OF SR HOT-AIR STERILIZERS

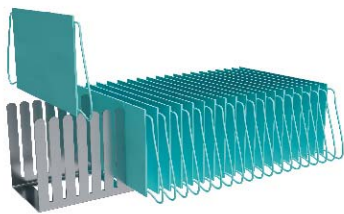
- pre-set sterilization programs (including mask sterilization program)
- automatic door lock during the sterilization program
- automatically closed air-flap after starting the sterilization program
- 5 user programs and 3 pre-set programs

AVAILABLE VERSIONS

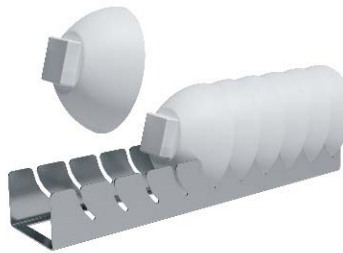
- Smart
- Pass-through sterilizers

SOFTWARE

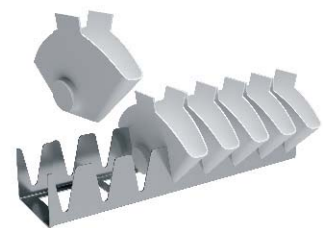
- LabDesk for data download to a PC via LAN or Wi-Fi (optional for Smart version)



For surgical masks



For masks FFP2 and FFP3



For masks N95

Application

- hot air sterilization
- disinfection of masks, documents, etc.



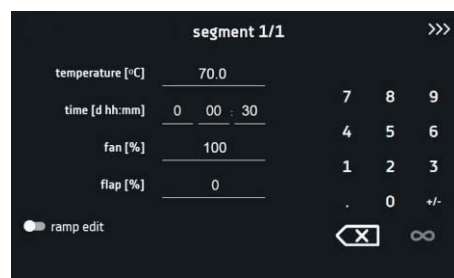
SRW Smart hot-air sterilizers for mask disinfection

- Scientists from Stanford University recommend disinfecting N95 masks at 85°C for 20 minutes.
- The German government, in a published document, indicated recommendations for decontamination masks known as "surgical", FP2 and FFP3 masks by using hot (65-70°C) air for 30 minutes.

SRW Smart hot-air sterilizers are an ideal solution for mask decontamination.

All of our units have a temperature display and a timer. They also have registration and full documentation of the process (duration and temperature).







Each unit also has a door lock – the lock is activated automatically when the program is started. This protects the whole process (all masks will complete the full disinfection cycle).



During one cycle you can decontaminate the following number of masks:

| One cycle | Surgical masks | Masks FFP2, FFP3, N95 |
|---------------|----------------|-----------------------|
| SRW 115 Smart | 150 pcs. | 48 pcs. |
| SRW 180 Smart | 264 pcs. | 80 pcs. |
| SRW 240 Smart | 300 pcs. | 135 pcs. |



| | | SR 53 | SR 115 | SR 240 | SR 400 | SR 750 | SR 1000 |
|--|-------------------------|---|---|--|---|---|---|
| Parameter | |  |  |  |  |  |  |
| air convection | | natural (SRN) / forced (SRW) | | | forced (SRW) | | |
| chamber capacity [l] | | 56 | 112 | 245 | 424 | 749 | 1005 |
| door type | | solid/door with viewing window (option) | | | | | |
| temperature range | | +5°C above ambient temperature ...+250°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 | stainless steel linen finish | | | | | |
| overall dims ¹ [mm] | A width | 590 | 660 | 820 | 1020 | 1260 | 1260 |
| | B height | 710 | 850 | 1140 | 1430 | 1600 | 2000 |
| | C depth | 620 | 710 | 770 | 770 | 880 | 880 |
| internal dims [mm] | D width | 400 | 460 | 600 | 800 | 1040 | 1040 |
| | E height | 390 | 540 | 800 | 1040 | 1200 | 1610 |
| | F depth | 360 | 450 | 510 | 510 | 600 | 600 |
| max shelf workload ² [kg] | - | 25 | 25 | 25 | 25 | - | - |
| | PW ³ version | 50 | 50 | 100 | 100 | 100 | 100 |
| max unit workload [kg] | | 40 | 60 | 90 | 120 | 140 | 300 |
| nominal power [W] | | 1700 | 2500 | 3100 | 4000 | 5500 | 5500 |
| weight ⁵ [kg] | | 48 | 65 | 114 | 162 | 260 | 307 |
| temperature fluctuation* at +105°C [±/ °C] | SRN | 0,4 | 0,4 | 0,6 | - | - | - |
| | SRW | 0,2 | 0,2 | 0,3 | 0,4 | 0,6 | 0,6 |
| temperature variation* at +105°C [±/ °C] | SRN | 2,0 | 2,2 | 2,5 | - | - | - |
| | SRW | 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) | | | | | |
| power supply** | | 230V 50-60Hz | | | 400V 50-60Hz | | |
| shelves fitted/max | | 2/5 | 2/7 | 3/10 | 3/14 | 5/16 | 6/22 |
| warranty | | 24 months | | | | | |
| manufacturer | | POL-EKO-APARATURA | | | | | |

all the above technical data refer to standard units (without optional accessories)

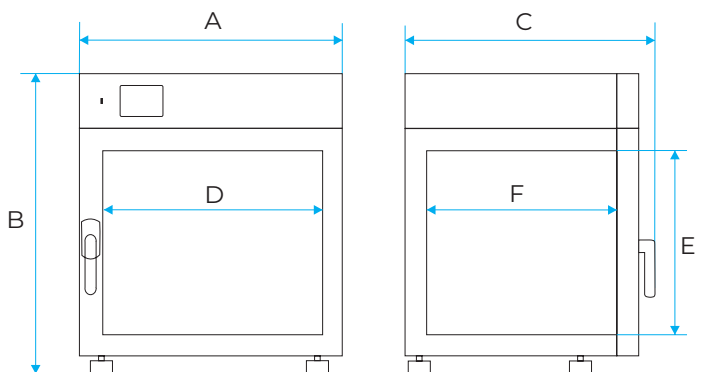
* - fluctuation measured in centre of chamber; in space, variation (K) calculated for chamber as: $K = \pm (T_{avg\ max} - T_{avg\ min}) / 2$

** - other power supplies on request

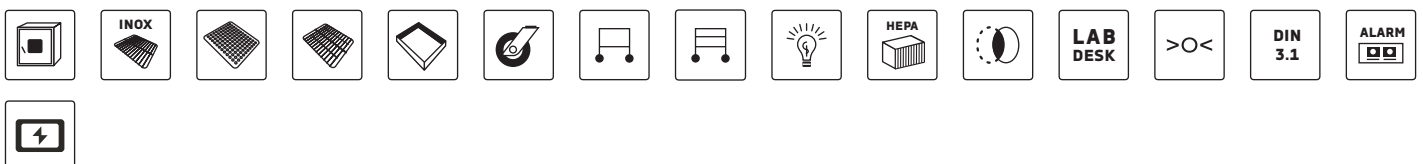
1 - depth doesn't include 50 mm of power cable

2 - reinforced shelf

3 - on uniformly loaded surface



Options and accessories (icon description see pages 76-82)





SRWP 115



SRWP 240

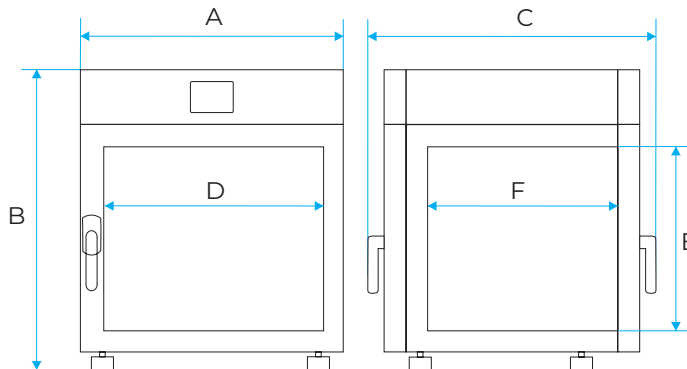


| | | | |
|-----------------------------|----------|--|--------|
| Parameter | | | |
| air convection | | forced | forced |
| chamber capacity [l] | | 105 | 240 |
| door type | | solid | |
| temperature range | | +5°C above ambient temperature ...+250°C | |
| temperature resolution [°C] | | every 0,1 | |
| 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 | |
| overall dims [mm] | A width | 700 | 840 |
| | B height | 910 | 1170 |
| | C depth | 700 | 770 |
| internal dims [mm] | D width | 460 | 600 |
| | E height | 530 | 800 |
| | F depth | 430 | 500 |
| max shelf workload [kg] | | 10 | 10 |
| PW version [kg] | | 50 | 100 |
| max unit worklad [kg] | | 60 | 90 |
| nominal power [W] | | 2500 | 3000 |
| weight [kg] | | 65 | 126 |
| over temperature protection | | class 2.0 to DIN 12880 / class 3.1 (option) | |
| power supply** | | 230V 50-60Hz | |
| shelves fitted/max | | 2/7 | 3/10 |
| warranty | | 24 months | |
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