

STERICELL

with forced air convection, 250 °C



Laboratory drying ovens

- For sterilising, heating or drying purposes.
- Due to a patented ventilation system the air within the STERICELL-chamber is ventilated in a regular spiral way. This leads to homogenous temperature profile throughout the chamber and short heating times. A safe process is guaranteed by automatic supervision of the door closing status and a special sterilisation program.

Volume:

55, 111, 222, 404 litres

Working temperature:

10 °C above ambient temperature up to 250 °C

Interior:

stainless steel, mat. No. 1.4301 (AISI 304)

The versatile standard line with microprocessor control unit

- 3 programs
- RS 232- interface for printer or PC-communication
- delayed heating start and stop function
- acoustic alarm
- time range 99 hours 59 minutes
- mechanic safety thermostat class 2



Options

- door window and interior lighting
- access ports Ø 25, 50, 100 mm
- door lock
- left door versions
- separate PT 100-sensor and display
- communication software for PC (Windows)
- HEPA-filter for installation in an air inlet
- starting the sterilization exposure according to the independent sensor PT 100
- two-door (passing through) version (possible only by types with volume 404 litres)

...standard line

The high-tech comfort line with multi-functional microprocessor control unit

- 6 programs
- chip card system for individual program storage
- RS 232- interface for printer or PC-communication
- delayed heating start and stop function
- acoustic alarm
- time range 0-16 years with 1 min-intervals
- digital safety thermostat class 3
- real time
- programming temperature ramps
- heating sequences
- programme cycles
- adjustable ventilation rate 10 to 100 %



Options

- door window and interior lighting
- access ports Ø 25, 50, 100 mm
- door lock
- left door versions
- communication software for PC (Windows)
- HEPA filter for installation in air inlet
- potential-free alarm contact
- independent temperature measuring through PT 100 sensor (with indication on LCD display or PC)
- starting the sterilization exposure according to the independent sensor PT 100
- two-door (passing through) version (possible only by types with volume 404 litres)

...comfort line

| Technical data | | Model | 55 | 111 | 222 | 404 |
|--|--|--------------------------------------|------------|------------|------------|---------------|
| Interior of stainless steel material No. 1.4301 | volume | cca ltrs | 55 | 111 | 222 | 404 |
| | width | cca mm | 400 | 540 | 540 | 540 |
| | depth | cca mm | 390 | 390 | 540 | 540 |
| | height | cca mm | 350 | 530 | 760 | 1410 |
| Tray | racks | max. No. | 4 | 7 | 10 | 19 |
| | standard equipment | pcs. included | 2 | 2 | 2 | 2 |
| Maximal weight of the load*) | per tray | max. kg | 20 | 20 | 30 | 30 |
| | inside the oven | max. kg | 50 | 50 | 70 | 100 |
| Door | | No. | 1 | 1 | 1 | 1 |
| External dimensions (including door and handle) | width | cca mm | 620 | 760 | 760 | 760 |
| | depth | cca mm | 640 | 640 | 790 | 790 |
| | height (incl. Foots and Rolls) | cca mm | 680F | 860F | 1100F | 1910R |
| | diameter of the air branch outer/inner | cca mm | 52/49 | 52/49 | 52/49 | 52/49 |
| Package dimensions (three layers carton) | width | cca mm | 710 | 850 | 850 | 850 |
| | depth | cca mm | 720 | 730 | 730 | 860 |
| | height (incl. palette) | cca mm | 900 | 1080 | 1320 | 2150 |
| Mass | net | cca kg | 55 | 75 | 100 | 150 |
| | brut | cca kg | 61 | 84 | 117 | 165 |
| Working temperature (beginning of the regulation) | | from 10 °C above ambient temp. to °C | 250 | 250 | 250 | 250 |
| Temperature accuracy according to DIN 12 880 Teil 2, from the sterilizing temperature of 160 °C up to 180 °C with closed air flap and door | space deviation | cca °C | + 5 - 1 | + 5 - 1 | + 5 - 1 | + 5 - 1 |
| | time variation | to °C | + 3 - 1 | + 3 - 1 | + 3 - 1 | + 3 - 1 |
| Time required to reach 250 °C with closed air flap and voltage 230 V | | cca min. | 49 | 53 | 70 | 58 |
| Heat emission at 250 °C | | cca W | 590 | 760 | 990 | 1940 |
| Air exchange speed at 150 °C | | cca/hour | 45 | 49 | 24 | 18 |
| Electricity - mains 50/60 Hz | max. power input | cca kW | 1,3 | 1,9 | 1,9 | 3,7 |
| | stand by | cca W | 5 | 5 | 5 | 5 |
| | current | A | 5,6 | 8,3 | 7,8 | 5,2; 5,2; 5,2 |
| | nominal voltage | V | 230 | 230 | 230 | 400/3N |

*) Approx. 50 % of the tray area can be filled in a way a uniform air circulation is enabled inside the chamber.
 Note: All technical data are related to 22 °C ambient temperature and ± 10 % voltage swing (if not specified).
 Changes in the design and make reserved.



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