



The device STERICELL® serves for hot-air sterilization of medical devices and materials with pre-set temperature and time parameters. It is characterised by quiet operation with fine patent-protected system of forced air flow in the chamber using a built-in fan that eliminates development of „cold air“ areas. Loose substances and deposit-making substances can be processed in closed bottles. The device is suitable for medical and veterinary practices, clinics and hospitals, pharmacies, polyclinics and laboratories. This is a medical means meeting the EU directive No. 93/42/EEC.

Internal volume: 22, 55, 111, 222, 404 litres
(pass-through version only volumes 202 and 404 l)
Temperature range: from 10°C above the ambient temperature up to 250°C
Internal chamber: stainless steel DIN 1.4301 (AISI 304)
Clean premises version – on request.

Unique Features, Safe Work Procedures

The temperature progress is controlled by microprocessor automatics (Fuzzy logic) with digital display and temperature sensor PT 100. The microprocessor automatics arranges high precision of temperature regulation with temperature stability guarantee in any location of the sterilization chamber, open door and air flap check – it is a guarantee of higher safety of individual sterilization processes.

The device STERICELL® meets the highest requirements to quality, speed, simple and comfortable attendance and safety. The protocol on individual sterilization batches with real time data can be tabularly printed on a printer or saved in PC using special software WarmComm.

The internal organization of the chamber allows re-arrangement of trays or shelves and insertion of materials of different sizes for maximal use of internal space.

STERICELL® with the volume of 222 and 404 litres may be ordered in one-door or pass-through version, it may be built-in in the wall between dirty and sterile zones. We offer process and chemical indicators of hot-air sterilization for check of sterilization efficiency.

Microprocessor Control



- 3 pre-set sterilization programs (possibility of user modification by an authorized person)
- RS 232 interface for PC or printer connection
- possibility of delayed switch on/off
- acoustic and visual alarm of error conditions
- time range 0–40 years, one-minute-step adjustable
- manual control of aspiration and exhaust flap
- pre-set programs blocking
- pre-heating time – adjustable time of batch levelling temperature
- digital protection thermostat against forbidden temperature exceeding
- digital setting of fan revolutions 0–100% – in delayed start mode only

Optional equipment

- ports Ø 25, 50, 100 mm (Ø 50, 100 mm not for volume 22 l)
- lockable door
- left-hinged door (except for volume 22 l)
- HEPA filter
- pass-through version (only for volumes 222 and 404 litres)
- automatic blocking of door in pass-through version
- potential-free contact for alarm messages
- special software WarmComm 4.0
- 1 up to 4 movable temperature sensors PT 100
- Stainless steel shell of the device



| Technical data | | | | | | | | | |
|--|--|-----------|---------|---------|---------|---------|----------|----------|----------|
| Inner space – stainless steel DIN 1.4301 | volume | l | 22 | 55 | 111 | 222 | 222/2 | 404 | 404/2 |
| | width | mm | 240 | 400 | 540 | 540 | 540 | 540 | 540 |
| | depth | mm | 320 | 390 | 390 | 540 | 540 | 540 | 540 |
| | height | mm | 295 | 350 | 530 | 760 | 760 | 1410 | 1410 |
| External dimensions (including door, handle, legs N or casters K) | width | max. mm | 406 | 620 | 760 | 760 | 760 | 760 | 760 |
| | depth | max. mm | 560 | 640 | 640 | 790 | 806 | 790 | 806 |
| | height | max. mm | 604N | 680N | 860N | 1090N | 1110N | 1910K | 1910K |
| | ventilation neck diameter – internal / external | mm | 52/49 | 52/49 | 52/49 | 52/49 | 52/49 | 52/49 | 52/49 |
| Package – dimensions (three-layer carton) | width | approx mm | 465 | 700 | 830 | 830 | 830 | 830 | 830 |
| | depth | approx mm | 665 | 730 | 730 | 860 | 860 | 860 | 860 |
| | height (including palette) | approx mm | 660 | 880 | 1050 | 1280 | 1280 | 2070 | 2070 |
| Trays / shelves | maximal number | pc | 4 | 4 | 7 | 10 | 10 | 19 | 19 |
| | standard equipment | pc | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | minimal distance between trays | mm | 60 | 70 | 70 | 70 | 70 | 70 | 70 |
| | storage area on each tray | mm | 185×265 | 380×335 | 520×335 | 520×485 | 520×485 | 520×485 | 520×485 |
| Maximal allowed loading of trays *) | per 1 tray | kg/tray | 10 | 20 | 20 | 30 | 30 | 30 | 30 |
| | per 1 shelf | kg/shelf | 10 | 20 | 20 | 30 | 30 | 30 | 30 |
| | inside the device – in total | kg/case | 25 | 50 | 50 | 70 | 70 | 100 | 100 |
| Number of external metal door | | pc | 1 | 1 | 1 | 1 | 2 | 1 | 2 |
| Weight | net | approx kg | 31 | 55 | 75 | 100 | 105 | 150 | 160 |
| | gross (cartoon) | approx kg | 36 | 66 | 87 | 116 | 121 | 175 | 185 |
| Electric data – mains 50/60 Hz | max. input | kW | 0,96 | 1,3 | 1,9 | 1,9 | 3,7 | 3,7 | 5,5 |
| | stand by input | W | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | current for voltage ***) | A | 4,2 | 5,6 | 8,3 | 8,3 | 5,6 | 5,6 | 8,3 |
| | | V | 230 | 230 | 230 | 230 | 400/3NPE | 400/3NPE | 400/3NPE |
| | current for voltage ***) | A | 8,4 | 11,3 | 16,6 | 16,6 | 19 | 19 | 28 |
| | | V | 115 | 115 | 115 | 115 | 115/3PE | 115/3PE | 115/3PE |
| IP Code | | | IP20 | IP20 | IP20 | IP20 | IP20 | IP20 | IP20 |
| Temperature data | | | | | | | | | |
| Operation temperature | from 10°C above ambient | to°C | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| Variations from operation temperature with closed flap and door (DIN 12 880) **) | space | ±°C | -1/+5 | -1/+5 | -1/+5 | -1/+5 | -1/+5 | -1/+5 | -1/+5 |
| | time | ±°C | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Max. variation of real temperature from pre-set temperature 160 up to 180°C according to regulation No. 306/2012 Coll. **) | | °C | -1/+5 | -1/+5 | -1/+5 | -1/+5 | -1/+5 | -1/+5 | -1/+5 |
| Number of air exchanges | at 250°C | per hour | 45 | 45 | 49 | 24 | 24 | 18 | 18 |
| Heat losses | at 250°C | W | 350 | 590 | 760 | 990 | 990 | 1940 | 1940 |

Note:

All the technical data apply to 22°C of ambient temperature and ± 10% voltage oscillation (unless stated otherwise).

*) The trays may be covered to approximately 50% of their surface and if possibly in such a way so as the air may evenly flow inside the chamber space.

**) It applies with closed ventilation flap and door.

***) mains voltage is specified on type label of the device.

The values may differ depending on specific charge and media parameters.

Changes in the design and make reserved.

Production:



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