STERICELL

with forced air circulation

STERICELL is intended for hot air sterilization of materials under specified parameters of temperature and duration.
It is characterized by quiet running with a patented fine system of forced air circulation in the chamber by means of a built-in fan which eliminates the "cold air" area formation. Loose and deposit-forming substances can be sterilized in closed bottles.
The device is suitable for medical and veterinary clinics, hospitals, pharmacies, health care centres, and laboratories. Service providers like testing and beauty salons, body piercing studios, manicure, pedicure and hairdresser's shops can take an ideal advantage of the 22-litre chamber of compact size and small weight.
The device complies with the requirements of the EU Directive no. 93/42/EEC sincluding clinical evaluation.

Inner volume: 22, 55, 111, 222, and 404 litres
Temperature range:
From 10 °C above the ambient temperature up to 250 °C
Inner chamber:
Stainless steel DIN 1.4301 (AISI 304).

Unique properties, safe operation

The temperature run is controlled by microprocessor automatics (Fuzzy-Logic) with a digital display and a PT 100 thermostat sensor. The microprocessor automatics ensure high accuracy of temperature regulation with a guaranteed thermal stability at each place of the sterilization chamber and the control of the door and air flap valve opening, which guarantees a higher safety of the individual sterilization procedures.

STERICELL meets the highest demands for quality, speed, simple and comfortable operation, and safety.
The individual sterilization batches records in real time can either be printed by means of a printer, or it can be saved in to PC using a special WarmComm software.
The inner arrangement of the chamber allows a rearrangement of the screens or shelves, thus enabling as best use of the inner area as possible.
STERICELL of 222 and 404 litres volume can be ordered either as a one-door or two-door (open-through) model. It can be mounted in a wall between the contaminated and clean zone. We also offer the process and chemical indicators of the hot air sterilization to control the sterilization efficiency.

Microprocessor control

- 3 preset sterilization programmes (possibility of a user modification by an authorized person)
- Preset programmes blocking
- Lagged programme switching-on function
- Preheating time – settable duration of the equalization temperature of the load
- Acoustic and visual alarm
- Digital safety thermostat – protects the device, its surroundings and processed material from an inadmissible temperature rise
- Manual control of the suction and exhaust flap
- RS 232 interface for a printer or PC connection.

Optional accessories

- Access ports ∅ 25, 50, and 100 mm (∅ 100 mm is not available for 22-litres volume)
- Lockable door
- Left hinged door (except for the 22-litre volume)
- 1 to 4 flexible PT 100 temperature sensors
- WarmComm communication software
- HEPA filter/HEPA pressure filter
- No-potential contact for alarm messages
- Two-door open-through model (222- and 404-litre versions only)
- Automatic door blocking
- Stainless steel casing of the unit

STERICELL

CE 0123

Technical data		Models	22	55	111	222	222/2**	404	404/2**
Interior of stainless steel	volume	cca ltrs	22	55	111	222	222/2	404	404/2
material No. 1.4301	width	cca mm	240	400	540	540	540	540	540
	depth	cca mm	320	390	390	540	540	540	540
	height	cca mm	295	350	530	760	760	1410	1410
Tray	racks	max. No.	4	4	7	10	10	19	19
	standard equipment	pcs. included	2	2	2	2	2	2	2
	distance between guide rails	mm	60	70	70	70	70	70	70
	storage area (w x d)	mm	185x265	380x335	520x335	520x485	520x485	520x485	520x485
Maximal weight of the load*)	per tray	max. kg	10	20	20	30	30	30	30
	inside the oven	max. kg	25	50	50	70	70	100	100
Door		No.	1	1	1	1	2	1	2
External dimensions	width	cca mm	406	620	760	760	760	760	760
(including door and handle)	depth	cca mm	560S/580C	640	640	790	806	790	806
	height (incl. Foots and Rolls)	cca mm	604F	680F	860F	1090F	1110N	1910K	1910K
	diameter of the air branch outer/inner	cca mm	52/49	52/49	52/49	52/49	52/49	52/49	52/49
Package dimensions	width	cca mm	465	700	830	830	830	830	830
(three layers carton)	depth	cca mm	665	720	730	730	860	860	860
	height (incl. palette)	cca mm	665	880	1050	1280	1280	2070	2070
Mass	net	cca kg	31	55	75	100	105	150	160
	brut	cca kg	36	66	87	116	121	175	185
Working temperature (beginning of the regulation)		from 10 °C above ambient temp. to °C	250	250	250	250	250	250	250
Temperature accuracy according to DIN 12 880 Teil 2, from the sterilizing temperature	space deviation	cca °C	+ 5 - 1	+ 5 - 1	+ 5 - 1	+ 5 - 1	+5 -1	+ 5 - 1	+5 -1
of 160 °C up to 180 °C with closed air flap and door	time variation	to °C	+ 3 - 1	+ 3 - 1	+ 3 -1	+ 3 -1	+3 -1	+ 3 -1	+3 -1
Time required to reach 250 °C with closed air flap and voltage 230 V		cca min.	28	49	53	70	33	58	43
Heat emission at 250 °C		cca W	350	590	760	990	990	1940	1940
Air exchange speed at 150 °C		cca/hour	45	45	49	24	24	18	18
Electricity	max. power input	cca kW	0,96	1,3	1,9	1,9	3,7	3,7	5,5
- mains 50/60 Hz	stand by	cca W	5	5	5	5	5	5	5
	current	A	4,2	5,7 11,3	8,3 16,5	8,3 16,5	5,2; 5,2; 5,2	5,2; 5,2; 5,2 9,5; 9; 9 19,1; 18,1; 18,1	7,9; 7,9; 7,9
	nominal voltage	V	230 115	230 115	230 115	230 115	400/3N	3x400+N+PE 3x230 3x115	400/3N

*) Approx. 50 % of the tray area can be filled in a way a uniform air circulation is enabled inside the chamber.
**) two-door (open-through) model
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.

MMM Group

MMM Medcenter
Einrichtungen GmbH
Semmelweisstraße 6
D-82152 Planegg / München

tel.: +49 89 89 92 26 20
fax: +49 89 89 92 26 30
e-mail: medcenter@mmmgroup.com
http://www.mmm-medcenter.com

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Photo & design T. Benda