

# STERICELL®

## Hot Air Sterilizer with Forced Air Convection



MMM Group



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 cartoon)	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	185x265	380x335	520x335	520x485	520x485	520x485	520x485
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
	brut (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
Noise level of complete device		dB	<55	<55	<55	<55	<55	<58	<58

**Note:**

All the technical data apply to 22°C of ambient temperature and ± 10%.

\*) 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:



Subsidiary company:



BMT Medical Technology, s.r.o.,  
Cejl 157/50, Zábřovice, CZ 602 00 Brno  
Tel.: +420 545 537 111  
fax: +420 545 211 750  
e-mail: mail@bmt.cz  
www.bmt.cz

MMM Medcenter  
Einrichtungen GmbH  
Sommelweisstrasse 6, -82152 Planegg / München  
Tel.: +49 89 8992 2620  
fax: +49 89 8992 2630  
e-mail: medcenter@mmm-medcenter.de  
www.mmm-medcenter.de