

# VENTICELL

with forced air convection 250 °C and 300 °C



**MMM**  
Medcenter  
Einrichtungen GmbH

MMM-Group



Laboratory drying ovens

Due to a patented ventilation system the air within the VENTICELL-chamber is ventilated in a regular spiral way. This leads to a homogenous temperature profile throughout the chamber and short heating times. Operating economy is ensured by higher rate and precision of heating in laboratories. Especially suitable for very moist goods.

**Volume:**

55, 111, 222, 404, 707 litres

**Working temperature:**

10 °C above ambient temperature  
up to 250 °C/300 °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 (excluded volume 707 litres)
- separate PT 100-sensor and display
- communication software for PC (Windows)
- HEPA - filter for installation in air inlet
- two-door (passing through) version (possible only by types with volume 404 litres)
- temperature range enlargement up to 300 °C

...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 (excluded volume 707 litres)
- 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)
- two-door (passing through) version (possible only by types with volume 404 litres)
- temperature range enlargement up to 300 °C

...comfort line

Technical data		Models	55	111	222	404	707	
Interior of stainless steel material No. 1.4301	volume	cca ltrs	55	111	222	404	707	
	width	cca mm	400	540	540	540	940	
	depth	cca mm	390	390	540	540	540	
	height	cca mm	350	530	760	1410	1410	
Tray	racks	max. No.	4	7	10	19	19	
	standard equipment	pcs. included	2	2	2	2	2	
Maximal weight of the load <sup>*)</sup>	per tray	max. kg	20	20	30	30	50	
	inside the oven	max. kg	50	50	70	100	130	
Door		No.	1	1	1	1	2	
External dimensions (including door and handle)	width	cca mm	620	760	760	760	1160	
	depth	cca mm	640	640	790	790	790	
	height (incl. Feets and Rolls)	cca mm	680F	860F	1100F	1910R	1910R	
	diameter of the air branch outer/inner	cca mm	52/49	52/49	52/49	52/49	52/49	
Package dimensions (three layers carton)	width	cca mm	710	850	850	850	1250	
	depth	cca mm	720	730	860	860	910	
	height (incl. palette)	cca mm	900	1080	1320	2150	2150	
Mass	net	max. kg	55	75	100	150	215	
	brut	max. kg	61	84	117	165	233	
Working temperature (beginning of the regulation)**		from 10 °C above ambient temp. to °C	250/300	250/300	250/300	250/300	250/300	
Temperature accuracy according to DIN 12 880 T2, at working temperature with closed air flap and door, > 50 °C	space deviation	cca (±)% of the reached temperature	1	1	1	1,5	2,5	
	time variation	cca ± °C	0,4	0,4	0,4	0,4	0,4	
Time required to reach 250 °C with closed air flap and voltage 230 V		cca min.	49	53	70	58	64	
Heat emission at 250 °C		cca W	590	760	990	1940	2550	
Air exchange speed at 150 °C		cca/hour	45	49	24	18	12	
Electricity -mains 50/60 Hz	max. power input stand by	cca kW	1,3	1,9	1,9	3,7	4,9	
		cca W	5	5	5	5	5	
	current	A		5,7	8,3	8,3	5,7; 5,2; 5,2	5,7; 5,2; 10,4
				11,3	16,5	16,5	9,5; 9,9	11,9; 13,5; 11,4
nominal voltage	V		230	230	230	3x400+N+PE	3x400+N+PE	
			115	115	115	3x230	3x230	
						3x115	3x115	

\*) Approx. 50 % of the tray area can be filled in a way a uniform air circulation is enabled inside the chamber.

\*\*\*) Standard type is up to 250 °C, optional type is up to 300 °C.

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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