

DUROCELL

with natural air convection, 125 °C



MMM

Medcenter
Einrichtungen GmbH

MMM-Group



Laboratory drying ovens

Special – purpose drying ovens DUROCELL with highly resistant EPOLON-coating, protecting the internal chamber of aggressive substances like acids or alkaline liquids. This device ensures an optimum goods temperature equalisation. It is ideal for acid and basic hydrolysis, extraction of non-inflammable materials and decomposition of substances in solid phase.

Volume:

55, 111, 222 liters

Working temperature:

5 °C above ambient temperature up to 125 °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)

...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



Options

- door window and interior lighting
- access ports Ø 25, 50, 100 mm
- door lock
- left door versions
- communication software for PC (Windows)
- potential-free alarm contact
- independent temperature measuring through PT 100 sensor (with indication on LCD display or PC)

...comfort line

Technical data		Model	55	111	222	
Interior of stainless steel material No 1.4301	volume	cca ltrs	55	111	222	
	width	cca mm	400	540	540	
	depth	cca mm	390	390	540	
	height	cca mm	350	530	760	
Trays	racks	max. No	4	7	10	
	standard equipment	pieces included	2	2	2	
Maximal weight of the load*)	per tray	max. kg	20	20	30	
	inside the oven	max. kg	50	50	70	
Door		No	1	1	1	
External dimensions (including door and handle)	width	cca mm	620	760	760	
	depth	cca mm	640	640	790	
	height-inclusive foots	cca mm	680F	860F	1100F	
	diameter of the air branch outer/inner	cca mm	52/49	52/49	52/49	
Package dimensions (three layers carton)	width	cca mm	710	850	850	
	depth	cca mm	720	730	860	
	height (incl. palette)	cca mm	900	1080	1320	
Mass	net	cca kg	55	75	100	
	brut	cca kg	61	84	117	
Working temperature (beginning of the regulation)		from 5°C above ambient temp. to °C	125	125	125	
Temperature accuracy according to DIN 12 880 T2, at working temperature with closed air flap and door	space deviation	cca ± % of the reached temperature cca ± °C	2	2	2	
	time variation	cca ± °C	0,3	0,3	0,3	
Time required to reach 100 °C with closed air flap and voltage 230V		cca min.	41	48	50	
Heat emission at 100 °C		cca W	380	490	630	
Air exchange speed at 100 °C		cca/h	8	12	5	
Electricity – mains 50/60 Hz	max. power input	kW	1,2	1,8	1,8	
	stand by	W	5	5	5	
	current		A	10,4	15,7	15,7
				5,2	7,8	7,8
nominal voltage		V	115	115	115	
			230	230	230	

*) 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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