

DUROCELL

with natural air convection



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-flammable materials and decomposition of substances in soild phase.

Volume:

22, 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

Options

- 3 adjustable programs
- RS 232 – interface for printer or PC-communication
- delayed heating start and stop function
- acoustic and visual alarm of erroer state
- time range 99 hours 59 minutes
- digital safety thermostat
- manual control of the air exhaust flap



- access ports Ø 25, 50,100 mm (Ø 100 mm is not available for 22-litres volume)
- door lock
- left door versions (excluded volume 22 litres)
- separate PT 100 – sensor
- special software WarmComm
- stainless steel casing of the device

... standard line

The high-tech comfort line with multi-functional microprocessor control unit

Options

- 6 adjustable programs
- chip card system for individual program storage
- RS 232 – interface for printer or PC-communication
- delayed heating start and stop function
- acoustic and visual alarm of error state
- time range 0–40 years with 1 min-intervals
- digital safety thermostat
- real time
- programming temperature ramps
- heating sequences
- programme cycles
- manual control of the air exhaust flap
- keyboard blocking
- door opening control



- access ports Ø 25, 50,100 mm (Ø 100 mm is not available for 22-litres volume)
- door lock
- left door versions (excluded volume 22 litres)
- special software WarmComm
- BMS realy alarm contact
- separate PT 100 – sensor
- stainless steel casing of the device

... comfort line

Technical data		Model	22	55	111	222	
Interior of stainless steel material No 1.4301	volume	cca ltrs	22	55	111	222	
	width	cca mm	240	400	540	540	
	depth	cca mm	320	390	390	540	
	height	cca mm	295	350	530	760	
Trays	racks	max. No	4	4	7	10	
	standard equipment	pieces included	2	2	2	2	
	distance between guide rails	mm	60	70	70	70	
	storage area (w x d)	mm	185x265	380x335	520x335	520x485	
Maximal weight of the load*)	per tray	max. kg	10	20	20	30	
	inside the oven	max. kg	25	50	50	70	
Door		No	1	1	1	1	
External dimensions (including door and handle)	width	cca mm	406	620	760	760	
	depth	cca mm	580	640	640	790	
	height-inclusive foots	cca mm	640F	680F	860F	1090F	
	diameter of the air branch outer/inner	cca mm	52/49	52/49	52/49	52/49	
Package dimensions (three layers carton)	width	cca mm	465	700	830	830	
	depth	cca mm	665	730	730	860	
	height (incl. palette)	cca mm	655	880	1050	1280	
Weight	netto	cca kg	31	55	75	100	
	brutto	cca kg	36	66	87	116	
Working temperature (beginning of the regulation)		from 5 °C above ambient temp. to °C	125	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	2,7	2	2	2	
	time variation	cca ± °C	3,1	0,3	0,3	0,3	
Time required to reach 100 °C with closed air flap and voltage 230 V		cca min.	34	41	48	50	
Heat emission at 100 °C		cca W	140	380	490	630	
Air exchange speed at 100 °C		cca/h	6	8	12	5	
Electricity – mains 50/60 Hz	max. power input	kW	0,92	1,2	1,8	1,8	
	stand by	W	5	5	5	5	
	current		A		10,4	15,7	15,7
				4,0	5,2	7,8	7,8
	nominal voltage	V	115	115	115	115	
			230	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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