

# 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-inflammable materials and decomposition of substances in solid phase.

**Volume:** 22, 55, 111, 222, 404, 707 litres  
**Working temperature:** 5°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

## Options

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



- access ports Ø 25, 50, 100 mm (Ø 50, 100 mm is not available for 22 litres volume)
- door lock
- left door versions (excluded volume 22 and 707 litres)
- inert gas connection
- special software WarmComm 4.0
- separate PT 100 sensor
- stainless steel casing of the devices

... 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 in error state
- time range 0–40 years with 1 min intervals
- digital safety thermostat
- real time
- selectable rate of temperature increase or decrease – "RAMPS"
- programming of program time segments – "SEGMENTS"
- programme cycles
- manual control of the air exhaust flap
- keyboard blocking
- door opening control



- access ports Ø 25, 50, 100 mm (Ø 50, 100 mm is not available for 22 litres volume)
- door lock
- left door versions (excluded volume 22 and 707 litres)
- inert gas connection
- BMS relay alarm contact
- special software WarmComm 4.0
- separate PT 100 sensor
- stainless steel casing of the devices

... 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	
External dimensions (including door and handle)	width	cca mm	406	620	760	760	
	depth	cca mm	580	640	640	790	
	height	cca mm	604	680	860	1090	
	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	cca mm	655	880	1050	1280	
Trays	racks	max. No.	4	4	7	10	
	standard equipment	pcs. included	2	2	2	2	
	distance between guide rails	mm	60	70	70	70	
	storage area (w × d)	mm	185×265	380×335	520×335	520×485	
Admissible weight of trays *)	per 1 tray	kg	10	20	20	30	
	for a rack	kg	10	20	20	30	
	together inside the oven	kg	25	50	50	70	
Door		No.	1	1	1	1	
Weight	netto	cca kg	31	55	75	100	
	brutto	cca kg	36	66	87	116	
Electricity -mains 50/60 Hz	max. power input	cca kW	0,92	1,2	1,8	1,8	
	stand by	cca W	5	5	5	5	
	current nominal voltage	A	8	10,4	15,6	15,6	
		V	230	230	230	230	
	current nominal voltage	A	4	5,2	8,3	7,8	
		V	115	115	115	115	
Temperature data Working temperature (beginning of the regulation)	rom 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 ± °C	2,7	2	2	2	
	time variation	cca ± °C	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
Air exchange speed at 100 °C			cca/hour	6	8	12	5
Heat emission at 100 °C			cca W	140	380	490	630

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

