

ECOCELL®

With Natural Air Convection



The line of economic driers with wide temperature range, exact and reliable course of simple drying processes and materials heating. The ECOCELL® line produces no noise and provides a very soft air convection within the chamber.

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

- 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



Options

- door window and interior lighting (excluded volume 22 litres)
- 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)
- separate PT 100 sensor
- special software WarmComm 4.0
- stainless steel casing of the devices

... standard line

The High-Tech Comfort Line with Multi-Functional Microprocessor Control Unit

- 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
- adjustable ventilation rate 10 to 100%
- manual control of the air exhaust flap
- keyboard blocking
- door opening control



Options

- door window and interior lighting (excluded volume 22 litres)
- 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)
- 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	404	707	
Interior of stainless steel material No. 1.4301	volume	cca ltrs	22	55	111	222	404	707	
	width	cca mm	240	400	540	540	540	940	
	depth	cca mm	320	390	390	540	540	540	
	height	cca mm	295	350	530	760	1410	1410	
External dimensions (including door and handle)	width	cca mm	406	620	760	760	760	1160	
	depth	cca mm	580	640	640	790	790	790	
	height	cca mm	604	680	860	1090	1910	1910	
	diameter of the air branch outer/inner	cca mm	52/49	52/49	52/49	52/49	52/49	52/49	
Package dimensions (three layers carton)	width	cca mm	465	700	830	830	830	1230	
	depth	cca mm	665	730	730	860	860	860	
	height	cca mm	655	880	1050	1280	2070	2080	
Trays	racks	max. No.	4	4	7	10	19	19	
	standard equipment	pcs. included	2	2	2	2	2	2	
	distance between guide rails	mm	60	70	70	70	70	70	
	storage area (w x d)	mm	185x265	380x335	520x335	520x485	520x485	920x485	
Admissible weight of trays *)	per 1 tray	kg	10	20	20	30	30	50	
	for a rack	kg	10	20	20	30	30	20	
	together inside the oven	kg	25	50	50	70	100	130	
Door		No.	1	1	1	1	1	2	
Weight	netto	cca kg	31	55	75	100	150	215	
	brutto	cca kg	36	61	87	116	175	240	
Electricity -mains 50/60 Hz	max. power input	cca kW	0,92	1,2	1,8	1,8	3,6	5,4	
	stand by	cca W	5	5	5	5	5	5	
	proud pro napětí	A		8	10,4	15,7	15,7	20,8	27,1
		V		115	115	115	115	115/3PE	115/3PE
	proud pro napětí	A		4,0	5,2	7,8	7,8	7,8	7,8
		V		230	230	230	230	400/3NPE	400/3NPE
Temperature data Working temperature (beginning of the regulation)	rom 5/10°C above ambient temp. to °C		250	250	250	250	250	250	
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	2,5	3,5	
	time variation	cca ± °C	1,0	0,3	≤ 0,8	≤ 0,8	≤ 1	≤ 1	
Time required to reach 250°C with closed air flap and voltage 230 V		cca min.	54	59	60	99	85	95	
Air exchange speed at 150°C		cca/hour	6	8	12	5	4	3	
Heat emission at 250°C		cca W	300	590	760	990	1940	2550	

*) 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.

