

VACUCELL

with vacuum, 200 °C



Laboratory drying ovens

Temperature sensitive, easy decomposable or oxidative materials can be dried very tenderly in VACUCELL vacuum drying ovens, where there is the opportunity of extrusion of air by inert gas. Also complicated components with hardly accessible hollow spaces are drying quick and affectively in VACUCELL ovens.

Volume:

22, 55, 111 litres

Working temperature: 5°C above ambient temperature up to 200 °C

Door window

Intergrated dust for sensors etc. (Ø 40 mm)

Inert gas connection

Needle valve for fine dosing

Pressure resistant inner chamber

Safety valve-door VENTIFLEX

Interior:

stainless steel, mat. No.1.4571 (AISI 316 Ti)

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
- machanic safety thermostat class 2



Options

- separate PT 100-sensor and temperature indicator
- communication software for PC (Windows)
- base box Vacustation
- chemical resistant vacuum pump
- separator and an emission condenser
- vacuum controller

...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

- base box Vacustation
- chemical resistant vacuum pump
- separator and an emission condenser
- vacuum controller
- 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

Specifications		Model	22	55	111
Interior space Stainless steel DIN 1.4571	volume	litres	22	55	111
	width	mm	340	400	540
	depths	mm	260	320	410
	height	mm	300	430	480
Shelves	shelves guides-impressions in the chamber side walls	number max.	5	8	9
	number	pieces suppl	2	2	2
Shelves distance	height	mm	40	40	40
Usefull dim. of shelf	width x depth	mm	280 x 236	340 x 296	480 x 386
External dimensions (incl. door and handle)	width	max. mm	560	620	760
	depths	max. mm	490	550	640
	height	max. mm	700	830	880
Weight	nett	kg	65	98	130
	brutt	kg	79	114	150
Working temp (regulation start)		from 5 °C over ambient temp to °C	200	200	200
Temp. deviations acc. to DIN 12 880 Teil 2 from working temp - Al shelves, pressure 5-10 mbar	spatially at 100 °C	upto ± °C	2	2	3
	spatially at 200 °C	upto ± °C	<5	<6	<7
	timely	upto ± °C	0,4	0,4	0,4
Temp. deviations acc. to DIN 12 880 Teil 2 from working temp - steel shelves, pressure 5-10 mbar	spatially at 100 °C	upto ± °C	10	10	11
	spatially at 200 °C	upto ± °C	18	23	*
	timely	upto ± °C	0,5	1,0	1,0
Time of rise onto 98% voltage 230V - Al shelves, pressure 5-10 mbar	onto temp 100 °C	minut	60	65	110
	onto temp 200 °C	minut	80	85	130
Time of rise onto 98% voltage 230V - steel shelves, pressure 5-10 mbar	onto temp 100 °C	minut	130	140	170
	o heat radiation nto temp 200 °C	minut	170	180	220
Heat radiation	at 100 °C	W	150	260	370
	at 200 °C	W	300	520	750
Vacuum connection	vacuum connection	DN mm	16	16	16
	measuring feedthrough	DN mm	40	40	40
	needle valve for inert gas or air	Ø mm	8	8	8
	attainable vacuum	mbar	5.10 ⁻³	5.10 ⁻³	5.10 ⁻³
Electric parameters – mains 50/60 Hz	max. input	kW	0,8	1,2	1,8
	input in stand by mode	W	5	5	5
	current	A	3,5	5,2	7,8
	nominal voltage	V	230	230	230
Max. permissible load of the shelves**)	one shelf	kg	20	25	25
	totally per unit	kg	35	45	65

* not measured

**) 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 fluctuations (if not specified otherwise).

Changes in the design and make reserved.



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