

13. Technical Specifications¹

Designation	Unit of measure	Value
Mechanical		
Exterior dimensions (W x H x D)	mm	780 x 934 x 834
Internal dimensions (W x H x D)	mm	607 x 670 x 583
Sample chamber volume	l	approx. 238
Insert tray (W x D)	mm	560 x 500
Number, standard delivery	units	3
Number, maximum	units	12
Surface load capacity, maximum	kg	10 / insert tray
Total unit load, maximum	kg	30
Weight, w./o. accessories	kg	approx. 85 (stainless steel) approx. 90 (copper)
Thermal		
Ambient temperature range	°C	+18 ... 33
Temperature regulation range	°C	RT + 3 ... 55
Temperature deviation over time (DIN 12880, Part 2)	°C	± 0.1
Decontamination temperature (ContraCon routine)	°C	90
Temperature deviation, spatial (DIN 12880, part 2) At 37 °C	°C	± 0.5
auto-start routine duration, to 37 °C, Ambient temperature: 20 °C	hr.	5 ... 10
Temperature recovery time at 37 °C with door open for 30 seconds (to 98 % of the initial value)	min	< 10
Thermal loss to the environment: At 37 °C	kWh/h	0.08
During ContraCon decontamination	kWh/h	0.25
Humidity		
Water quality		Distilled and sterile
Fill volumes:		
Incubation mode	l	4.5, max. / 1.8, min
ContraCon decontamination mode	ml	350
Constant humidity at 37 °C (high humidity mode)	% rH	approx. 95
Constant humidity at 37 °C (low humidity mode)	% rH	approx. 90
Humidity recovery time at 95 % rH, with door open for 30 seconds (to 98 % of the initial value)	min	approx. 18 (stainless steel)
	min	approx. 18 (copper)

¹ The technical specifications cited above apply to units with a glass door.

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Designation	Unit of measure	Value
CO₂ gas		
Gas purity	%	At least 99.5 or medical quality
Input pressure	bar	0.8, min. to 1, max.
Measurement and regulation range	Vol. %	0... 20
Regulation deviation over time	Vol. %	± 0.1
Recovery time at 5 %, with door open for 30 seconds (to 98 % of the initial value)	min	< 8
CO₂ metering cell		
Accuracy	% CO ₂	± 0.3
Electrical		
Nominal voltage	V	1/N/PE 230 V, AC
	V	1/N/PE 120 V, AC
	V	1/N/PE 100 V, AC
Nominal frequency	Hz	50/60
Interference suppression (DIN VDE 0875)		Interference level N
Protection method (DIN 40 050)		IP 20
Protection class		I
Overvoltage category (IEC 1010, EN 61010)		II
Contamination degree (IEC 1010, EN 61010)		2
Nominal current	A	2.7 (230 VAC)
	A	5.2 (120 VAC)
	A	6.2 (100 VAC)
Fuses, on-site:		
Fuse		T 16 A
Circuit breaker		G 16
Nominal consumption	kW	0.61 (230 VAC)
	kW	0.62 (120 VAC)
	kW	0.62 (100 VAC)
EMI class		B
Miscellaneous		
Noise level (DIN 45 635, Part 1)	dB(A)	< 50
Ambient relative humidity	% rH	80, max.
Setup elevation	m above sea level	2000, max.

HERAcCell 240 - Gas consumption CO₂

(Gas inlet pressure: 1 bar, Amount of gas supplied: 6 l / min, glass door closed)

