

## 12 Technical data

### Mechanical / thermal data:

Description	Unit	Value
<b>Mechanical</b>		
External dimensions Width x Depth x Height	mm	637 x 867 x 766
	in	25.1 x 34.1 x 30.2
Interior dimensions Width x Depth x Height	mm	470 x 607 x 530
	in	18.5 x 23.9 x 20.9
Chamber volume	l	approx. 151
	cu.ft	approx. 5.3
Shelves Width x Depth	mm	423 x 455
	in	16.7 x 17.9
Standard quantity	Piece	3
Maximum quantity	Piece	10
Maximum surface load	Piece	10 / insertion shelf
Maximum device overall load	kg	30
	lb	66.1
Weight, without accessories	kg	70 (stainless steel)
	lb	154.3 (stainless steel)
<b>Thermal</b>		
Ambient temperature range	°C	+18...33
Temperature control range	°C	RT + 3 ... 55
Temperature deviation at 37°C, time	°C	± 0.1
Temperature deviation, spatial (DIN 12880, Part 2) at 37 °C	°C	± 0.6
Duration of the auto-start routine, to 37 °C ambient temperature 20 °C	h	5 ... 10
Temperature recovery time, at 37 °C, door open 30 seconds (to 98 % of initial value)	min	< 10
Heat transfer to environment: at 37 °C during 90 °C decontamination	kWh/h	0.06
	kWh/h	0.26
<b>Humidity</b>		
Water quality		demineralized / distilled or autoclaved or completely deionized / distilled or autoclaved.
Liquid quantity: Incubation operation 90°C decontamination operation	l	max. 3.0 / min 1.2
	ml	300
Constant humidity at 37 °C	% rH	approx. 93
Humidity recovery time, at 93 % rH, door open 30 s (to 95 % of initial value)	min min	approx. 20 (stainless steel)

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### Gas supply/ electrical system / others:

Description	Unit	Value
<b>CO<sub>2</sub> gas supply system</b>		
Gas purity	%	min. 99.5 or medical quality
Prepressure	bar	min. 0.8 - max. 1
Measuring and control range	% vol.	0... 20
Control deviation, temporal	% vol.	± 0.1
Recovery time, at 5 %, door open 30 seconds (to 98 % of initial value)	min	< 8
<b>CO<sub>2</sub> measuring cell</b>		
Accuracy (absolute)	% CO <sub>2</sub>	± 0.3
<b>Electrical system</b>		
Rated voltage	V	1/N/PE 230 V, AC
	V	1/N/PE 120 V, AC
	V	1/N/PE 100 V, AC
Rated frequency	Hz	50/60
Interference suppression (DIN VDE 0875)		Interference level N
Type of protection (DIN 40 050)		IP 20
Protection class		I
Overvoltage category (IEC 1010, EN 61010)		II
Pollution severity (IEC 1010, EN 61010)		2
Rated current	A	5.3 (120 V, AC)
On-site fusing: Fuse Circuit breaker		T 16 A G 16
Rated input	kW	0.64 (120 VAC)
EMC class		B
<b>Others</b>		
Sound pressure level (DIN 45 635, Part 1)	dB(A)	< 50
Relative humidity of environment	% rH	max. 80
Location elevation	m NN	max. 2000