

STERI-CYCLE i160

Name	Unit	Value
Mechanical		
Outer dimensions (W x H x D)	mm	637 x 905 x 790 (25.08 x 35.63 x 31.10 inch)
Inner dimensions (W x H x D)	mm	470 x 607 x 576 (18.50 x 23.90 x 22.68 inch)
Inner space volume, of which useable volume	l l	approx. 165 approx. 100
Inserts (B x T)	mm	423 x 465 (16.65 x 18.31 inch)
Quantity of components delivered	pcs.	3
Quantity, maximum	pcs.	11
Surface loading capacity, maximum	kg	10 per insert
Overall device loading capacity, maximum	kg	30
Weight	kg	83
Weight, without accessories	kg	78.4
Thermal		
Thermal safety features to DIN 12880:2007-05		Class 3.1 (Overtemperature controller, providing alarming function upon excessive temperature condition)
Ambient temperature range	°C	+18...34
Ambient temperature for stacked devices	°C	+18...28
Temperature control range, incubation operation	°C	RT + 3...55
Temperature deviation from set value, over time (DIN 12880, part 2) at 37 °C	°C	± 0.1
Temperature deviation from set value, spatial (DIN 12880, part 2) at 37 °C *1)	°C	<= ± 0.3
Duration of the auto-start routine: to 37 °C Ambient temperature 20 °C	h	5...10
Heat transfer to environment: at 37 °C	kWh/h	0.06
during steri-run decontamination	kWh/h	0.59
Humidity		
Water qualities		Electrical resistance: 50 kOhmcm to 1 MOhmcm Conductivity: 1 to 20 µS/cm
Capacities: Incubation operation	l	max. 3 / min 0.5

Name	Unit	Value
Constant humidity at 37 °C (high humidity mode)	%rH	approx. 93
Constant humidity at 37 °C (low humidity mode)	%rH	approx. 90
Others		
Sound pressure level (DIN 45 635, part 1)	dB(A)	< 50
Relative ambient humidity	%rH	max. 80
Altitude of site	m above sea level	max. 2000

*1) determined on the basis of DIN 12880 for devices with standard feature set. See calibration instructions for detailed information

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Name	Unit	Value
CO₂ gas supply system		
Gas purity	%	min. 99.5 or med. quality
Primary pressure	bar	min. 0.8 - max. 1 (11.6-14.5 psi)
Measurement and control range	Vol -%	0...20
Control deviation over time	Vol -%	± 0.1
CO₂ measuring cell		
Accuracy at 37 °C and 5% CO ₂	%CO ₂	± 0.3
O₂ gas supply system		
Gas purity	%	min. 99.5 or med. quality
Primary pressure	bar	min. 0.8 - max. 1 (11.6-14.5 psi)
Measurement and control range	Vol -%	1... 21 or 5...90
Control deviation over time	Vol -%	± 0.2
O₂ measuring cell		
Accuracy at 37 °C and 21% O ₂	%O ₂	± 0.5 (option: 1.....21% O ₂) ± 2,0 (option: 5.....90% O ₂)
Electrical		
Rated voltage	V	1/N/PE 230 V, AC (± 10%) 1/N/PE 220 V, AC (± 10%) 1/N/PE 120 V, AC (± 10%) 1/N/PE 100 V, AC (± 10%)
Rated frequency	Hz	50/60
Degree of protection (IEC 60529)		IP 20
Protection class		I
Overvoltage category (EN 61010)		II
Pollution degree (EN 61010)		2
Rated current	A	230 V: Decontamination: 4.6 Incubation: 2.4 220 V: Decontamination: 4.4 Incubation: 2.3 120 V: Decontamination: 8.3; Incubation: 4.6 100 V: Decontamination: 7.2; Incubation: 3.9
Circuit breaker		16 A

Name	Unit	Value
Rated power	kW	230 V: Decontamination: 1.06 Incubation: 0.56 220 V: Decontamination: 0.97 Incubation: 0.51 120 V: Decontamination: 1.01 Incubation: 0.55 100 V: Decontamination: 0.72 Incubation: 0.39
EMV class		B