

## HERACELL VIOS 250i

Name	Unit	Value
<b>Mechanical</b>		
Outer dimensions (W x H x D)	mm	780 x 970 x 945 (30.71 x 38.19 x 37.20 inch)
Inner dimensions (W x H x D)	mm	607 x 670 x 629 (23.90 x 26.38 x 24.76 inch)
Inner space volume, of which useable volume	l	approx. 255 approx. 162
Inserts (B x T)	mm	560 x 500 (22.05 x 19.68 inch)
Quantity of components delivered	pcs.	3
Quantity, maximum	pcs.	12
Surface loading capacity, maximum	kg	10 per insert
Overall device loading capacity, maximum	kg	30
Weight, without accessories	kg	97.5
<b>Thermal</b>		
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	°C	RT + 3...55
Temperature deviation from set value, over time (DIN 12880, part 2)	°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	0.07
during steri-run decontamination	kWh/h	0.75
<b>Humidity</b>		
Water qualities		Electrical resistance: 50 kOhmcm to 1 MOhmcm Conductivity: 1 to 20 µS/cm
Capacities: Incubation operation	l	max. 3 / min 0.5
Constant humidity at 37 °C (high humidity mode)	%rH	approx. 93
Constant humidity at 37 °C (low humidity mode)	%rH	approx. 90

<b>Name</b>	<b>Unit</b>	<b>Value</b>
<b>Others</b>		
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
<b>CO<sub>2</sub> gas supply system</b>		
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
<b>CO<sub>2</sub> measuring cell</b>		
Accuracy at 37 °C and 5% CO <sub>2</sub>	%CO <sub>2</sub>	± 0.3
<b>O<sub>2</sub> gas supply system</b>		
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
<b>O<sub>2</sub> measuring cell</b>		
Accuracy at 37 °C and 21% O <sub>2</sub>	%O <sub>2</sub>	± 0.5 (option: 1.....21% O <sub>2</sub> ) ± 2.0 (option: 5.....90% O <sub>2</sub> )
<b>Electrical</b>		
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	<b>230 V:</b> Decontamination: 5.5 Incubation: 3.3 <b>220 V:</b> Decontamination: 5.3 Incubation: 3.2 <b>120 V:</b> Decontamination: 10.4 Incubation: 6.3 <b>100 V:</b> Decontamination: 8.9 Incubation: 5.3
Circuit breaker		16 A

Name	Unit	Value
Rated power	kW	<b>230 V:</b> Decontamination: 1.26 Incubation: 0.76 <b>220 V:</b> Decontamination: 1.16 Incubation: 0.69 <b>120 V:</b> Decontamination: 1.25 Incubation: 0.75 <b>100 V:</b> Decontamination: 0.89 Incubation: 0.53
EMV class		B