

12. Technical data

12.1. HERACELL[®] 150i

Description	Unit	Value
Mechanical		
External dimensions (W x H x T)	mm	637 x 867 x 782
Interior dimensions (W x H x T)	mm	470 x 607 x 530
Chamber volume	l	approx 151
Shelves (W x T)	mm	423 x 465
Standard quantity	Piece	3
Maximal quantity	Piece	10
Maximal surface load	kg	10/insertion shelf
Maximal device overall load	kg	30
Weight, without accessories	kg	70
Thermal		
Thermal safety devices according to DIN 12880:2007-5		Class 3.1 over temperature controller (TWW) with overt temperature detection function)
Ambient temperature range	°C	+18...33
Temperature control range	°C	RT +3...55
Temperature deviation, time (DIN 12880, Part 2)	°C	±0.1
Temperature deviation, spatial (DIN 12880, Part 2) at 37 °C ¹	°C	±0.5
Duration of the auto-start routine, to 37 °C ambient temperature 20 °C	h	5...10
Heat transfer to environment: at 37 °C during contra-con decontamination	kW/h kW/h	0.06 0.112
Humidity		
Water quality		see page 37
Liquid quantity: Incubation operation contra-con disinfection operation	l ml	max. 3.0/min. 1.2 350
Constant humidity at 37 °C (high-humidity mode) Constant humidity at 37 °C (low-humidity mode)	% rH % rH	approx 93 approx 90
Others		
Sound pressure level (DIN 45 635, Part 1)	dB(A)	< 50
Relative humidity of environment	% rH	max. 80

Location elevation	m ASL	max. 2000
CO₂ gas supply system		
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
CO₂ measuring cell		
Accuracy (absolute)	% CO ₂	±0.3
O₂ gas supply system		
Gas purity	%	min. 99.5 or medical quality
Prepressure	bar	min. 0.8 - max. 1
Measuring and control range	% Vol	1...21 or 5...90
Control deviation, temporal	% Vol	±0.2
O₂ measuring cell		
Accuracy (absolute)	% O ₂	±0.5 (Option: 1...21 % O ₂)
Electrical system		
Rated voltage	V	1/N/PE 230 V, AC (±10 %)
	V	1/N/PE 120 V, AC (±10 %)
	V	1/N/PE 100 V, AC (±10 %)
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 (EN 61010)		II
Pollution severity (EN 61010)		2
Rated current	A	2.5 (230 V, AC)
	A	5.2 (120 V, AC)
	A	4.3 (100 V, AC)
On-Site fusing: Fuse Circuit breaker		T10 A G 16
Rated input	kW	0.58 (230 VAC)
	kW	0.62 (120 VAC)
	kW	0.43 (100 VAC)
EMC class		B

¹ Determined on the basis of DIN 12880 for devices with standard equipment. See detailed information in calibration.