

Specification

Series		QL 2102.2 SSiC
Volume	liter	2140
Interior dimension		
Width	mm	2040
Height	mm	1400
Depth	mm	750
Exterior dimension		
Width	mm	2140
Height (with roller)	mm	2020 (2120)
Depth (with handle)	mm	1070 (1150)
Shelves (standard/max)	number	6/18
Electrical supply ($\pm 10\%$) 50/60 Hz	V	230
Unit nominal power	W	3200
Doors	number	3
Type of doors		Compression door lock
Access port for probe calibration and mapping		Yes
Cooling system protection from power shock		Delay on
Refrigerant for cooling system		R-134a (Non - CFC)
Humidification system		Steam blow system by individual/separated blower with conductance value of water feeding is 10 - 100 μ S (recommended)
Material		Polished stainless steel SUS 304
Probe/sensor accuracy		$\pm 0.8\%$ RH, ± 0.1 K at 10...30 °C
Long-term stability, humidity sensor		<1%RH, 0.1°C / year
Validation of analog and digital transmission (loop validation)		Enable
Temperature range without humidity (at room temp. 30 °C)	°C	+10 – 60
Temperature fluctuation when cooling is operated	$\leq \pm$ °C	0.3
Temperature variation with humidity	$\leq \pm$ °C	1.0
Humidity range	%RH	30 – 90
Humidity fluctuation with temperature	$\leq \pm$ %RH	2.0
Humidity variation with temperature	$\leq \pm$ %RH	3.0
Recovery time after 30 seconds for 1 door open at 25°C/ 60%RH	minutes	10
Recovery time after 60 seconds for 1 door open at 25°C/ 60%RH	minutes	15
Controller		Intelligent Control System
Off-line logging power back-up		External battery
Sensor type		Pt 100 class A (temperature), Rotronic HYGROMER® IN-1 (humidity)
Sensor and display resolution for temp. and humidity		0.01
Sensor calibration and adjustment :		
- 1-point or multi-point humidity calibration or adjustment		Yes
- 1-point or 2-point temperature calibration or adjustment		Yes
Setting, Logging and Monitoring		By external PC (exclude) and individual LCD display on chamber
Software		Fully comply to FDA CFR 21 Part 11 and GAMP5 with features : data-logging, data storage, calculation of various humidity parameters, graphic functions
Port data access		RJ45 (Ethernet)
Network		Networkable via RS485 up to 64 units
Alarm		Central Alarm System
Logging method		On-line and Off-line logging
Memory capacity		512 MB (saves 47,000 data records per MB card storage capacity)
Safety/Protection		
Overshoot temperature safety device		Cut off the main power and completed with output
Low level water protection		Cut off the heating element of humidification system

Custom specifications and configurations are available, please contact us.