

Specification

Series		QL300SS iC	QL500SS iC
Volume	liter	285	500
Interior dimension			
Width	mm	511	625
Height	mm	1200	1430
Depth	mm	465	595
Exterior dimension			
Width	mm	595	710
Height (with roller)	mm	1850	2030
Depth (with handle)	mm	725	1020
Shelves (standard/max)	number	2/8	2/8
Electrical supply ($\pm 10\%$) 50/60 Hz	V	230	230
Unit nominal power	W	2300	2500
Doors	number	1	1
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.