

Humidity Cabinets

Refrigerated



SHEL LAB Humidity Test Cabinets provide a controlled environment for a wide range of industrial and biotechnology testing applications. This line is designed to duplicate a natural condition, which allows testing the limitations of a sample when exposed to various temperature and moisture fluctuations. These humidity test chambers incorporate a refrigeration system that dramatically increases the operational range of the cabinet

Microprocessor controls maintain temperature and humidity in approximate ranges of 10-70°C and 40-95%RH, respectively. An extra large water jacket minimizes condensation inside the chamber and supports optimum uniformity conditions.

A low-pressure water vapor generator, injecting saturated water vapor into the recirculating air duct, controls chamber humidification. This process is preferable to steam generation because steam introduces additional heat to the chamber atmosphere, which then compromises temperature control. Uniform temperature and humidity are maintained using the same horizontal air flow technology employed in the SHEL LAB oven family.



Optional Water Purification Kit (SWPK)

APPLICATIONS INCLUDE:

- Shelf Life Testing
- MIL-SPEC Packaging
- Component Burn In
- Vapor Transmission
- Stability Testing



**2 Year
Limited
Warranty!**



Humidity Cabinets Refrigerated	Model Number		
	110-120V 220-230V Details	SHC10R SHC10R-2 Medium	SHC28R SHC28R-2 Large
Exterior Dimensions (wxdxh)	Inches	44.3 x 32.8 x 57.0	42.5 x 37.0 x 85.0
	cm	112.4 x 83.2 x 144.8	108.0 x 94.0 x 215.9
Chamber Dimensions (wxdxh)	Inches	30.0 x 21.0 x 30.0	30.2 x 26.0 x 62.0
	cm	76.2 x 53.3 x 76.2	76.8 x 66.0 x 157.4
Incubator Chamber Capacity	cu ft	10	28
	L	309	799
Temp. Range	Celcius	10°C to 70°C	10°C to 70°C
Temp. Uniformity	Celcius	+/- 0.5°C at 37°C	+/- 0.5°C at 37°C
Relative Humidity	Percent	Ambient + 10% to 95%	Ambient + 10% to 95%
Number of Shelves	Included	3	6

*Specifications are based on nominal values at an ambient temperature of 25°C and a line voltage of 120V or 240V respectively. The temperature data is determined in accordance with DIN 12880. We reserve the right to alter technical specifications at any time. For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, www.shellab.com

Caution: Only plumb with distilled or filtered tap water. Water purity range of 50K-1M Ohm/cm or conductivity range of 20.0-1.0 uS/cm. See operations manual for more information.

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www.shellab.com
1-800-322-4897