

Humidity Cabinets



Standard



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.

Microprocessor controls maintain temperature and humidity in approximate ranges of 35-70°C and 40-95%RH, respectively. An extra large water jacket minimizes condensation inside the chamber and supports optimum temperature uniformity.

Humidity is controlled by utilizing a low-pressure water vapor generator injecting saturated water vapor into the recirculating air duct. 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.

APPLICATIONS INCLUDE:

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



Optional Water Purification Kit (SWPK)



**2 Year
Limited
Warranty!**



Humidity Cabinets	Model Number		
	110-120V 220-230V Details	SHC10 SHC10-2 Medium	SHC28 SHC28-2 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	40°C to 70°C	Ambient +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

*All specifications are determined by using average values on standard equipment at an ambient temperature of 25°C (77°F) and line voltages within +/-10% of unit type (115V/230V). Temperature specifications follow DIN 12880 methodology. We reserve the right to change specifications at any time.

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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1-800-322-4897