



SHC28R-2

**Applications Include:**

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

**Optional Water Purification Kit (SWPK).**

Model	SHC10R-2	SHC28R-2
<b>Incubator Chamber Capacity</b>	309 liters	799 liters
<b>Interior Dimensions (W x H x D)</b>	76.2 x 53.3 x 76.2cm	76.8 x 66.0 x 157.4cm
<b>Exterior Dimensions (W x H x D)</b>	112.4 x 83.2 x 144.8cm	108.0 x 94.0 x 215.9cm
<b>Temp. Range</b>	10°C to 70°C	
<b>Temp. Uniformity</b>	±0.5°C at 37°C	
<b>Relative Humidity</b>	Ambient + 10% to 95%	
<b>Number of Shelves Included</b>	3	6

\*Specifications are based on nominal values at an ambient temperature of 25°C and a line voltage of 120V or 240V respectively.

**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

**SHC10R-2/SHC28R-2, Humid. Refrigerated Cabinets**

MRC 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 & 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 MRC oven family.

