

# STANDARD CLIMATIC CHAMBERS

## SC Series Temperature/Humidity Chamber

The Temperature/Humidity Chamber is well-suited for cyclic low, high temperature, and humidity tests. Built with the highest quality and reliable materials, the Temperature/Humidity Chamber can meet the most rigorous testing needs of various international standards such as ASTM, IEC, MIL, and DIN. The Temperature/Humidity Chamber conducts testing that analyzes how temperature and humidity affect the properties, function, and lifespan of your products. The chamber is engineered with the latest simulation technology, offering an unparalleled testing experience. The highly responsive touchscreen controller used in this chamber is bundled with multiple features, including on demand cooling, onscreen diagnostics, and safety alarms.

Each Temperature/Humidity Chamber is highly flexible for customization. Whether it be a design modification, increased performance ramp rates, or integration with other applications such as a climatic chamber with electro dynamic shakers, universal testing machines or even customized mechanical integration, Tescor can meet your testing needs.

<b>7" touch screen, 16M color, Wide Screen, Ethernet Interface</b>	Enhanced with modular controller integrating multi-zone PID Control and Data Acquisition, Web Server, Service Monitor, Trend Graph, Security levels, On Screen Diagnostics, Safety Alarms
<b>On demand cooling</b>	Compressors are switched ON only when there is a demand for cooling, resulting in lower power consumption
<b>Seamless welded test space</b>	Low chamber wall heat load, providing fast equalization of air temperature to chamber wall during ramp down cycle
<b>Communication &amp; Networking</b>	Built-in web server allows remote view or control, data analysis and proactive support, improved power efficiency, multi-user and restricted access, and chamber health awareness, protecting the chamber if there is malfunction
<b>Ozone friendly refrigerants</b>	Complies to future statutory standards, which is easier to maintain and more environmentally friendly



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## SC Series Temperature/Humidity Chamber *(continued)*

### Specifications:

	Models					
	H-XSC4	H-XSC8	H-XSC13	H-XSC19	H-XSC35	H-XSC53
Inner Dimensions	19.5 x 15.5 x 23.5 in	19.5 x 23.5 x 29.5 in	23.5 x 29.5 x 33.5 in	29.5 x 31.5 x 35.5 in	39.5 x 39.5 x 39.5 in	39.5 x 59 x 39.5 in
W x D x H	500 x 400 x 600 mm	500 x 600 x 750 mm	600 x 750 x 850 mm	750 x 800 x 900mm	1000 x 1000 x 1000 mm	1000 x 1500 x 1000 mm
Volume	4.1 cu.ft.	7.8 cu.ft.	13.4 cu.ft.	19 cu.ft.	35.5 cu.ft.	53.2 cu. Ft.
	117 Ltrs.	222 Ltrs.	375 Ltrs.	540 Ltrs.	1000Ltrs	1500 Ltrs.
Temperature range	356 to -40/-94°F 180 to -40/-70°C					
Humidity Range	10-98 % RH (Lower RH available as optional)					
Average Change Rate As per IEC 60068-3-5	3/5°C per min	3/5/10°C per min	3/5/10/15°C per min	3/5/10/15°C per min	3/5/10/15°C per min	3/5/10/15°C per min
Temperature Uniformity	< 1.5°C					
Power Supply	460 3ph 60Hz					
Specifications are for reference only and are subject to change.						
Customized, sizes, ramp rates, and power supply options are available on request.						
For more information on options, prices and delivery details speak to a Tescor representative						