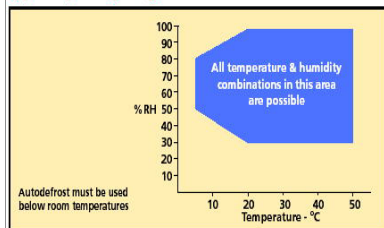


This comprehensive range of stability cabinets all have stainless steel chambers with adjustable shelves and use active ultrasonic RH control for optimum stability.



Model SFC3C/RH

Typical Operating Range - for Model SFC3C/RH with ultrasonic humidifier



Construction

All cabinets have stainless steel interiors fitted with adjustable shelves. LT models do not have sealed chambers and so their use is restricted to a narrower range of humidity control.

All SF models have sealed chambers making them suitable for humidities up to 98% RH. SF models can have an outer door heater to demist the toughened inner glass viewing door. Polyurethane foam insulation provides very efficient thermal stability in all models. Two standard 12mm access ports are fitted.

Specification - Ultrasonic Control Types

Model		SFC2C/RH	SFC3C/RH	LT601/RH	LT1201/RH
		Directly Cooled		Directly Cooled	
Temperature	Range**	+5°C to +50°C		+5°C to +50°C	
	Control	±0.5°C at +20°C		±0.5°C at +20°C	
	Variation	±0.5°C at +20°C		±0.5°C at +20°C	
Humidity	Range	30% to 98% RH		40% to 95% RH	
	Control	Typically ±3%RH at +20°C operating temperature			
Dimensions (Max. mm)					
External	H	1075	1745	1980	1980
	W	635	635	710	1420
	D	660	660	950	800
Internal	H	590	1275	1480	1480
	W	510	510	590	1300
	D	490	490	650	650
Chamber Capacity (L)		150	320	600	1275
Shelves Supplied		4	6	5	10
Weight (kg)		100	145	125	190
Power Rating (W)		800	850	600	1275

** Temperature specification at 20°C ambient.

Temperature Control

Monitoring and control of both heating and cooling functions gives these cabinets great accuracy, typically achieving stability of 0.5C and <3%RH. The control temperature and safety cut-out are set via digital controls.

Humidity Control

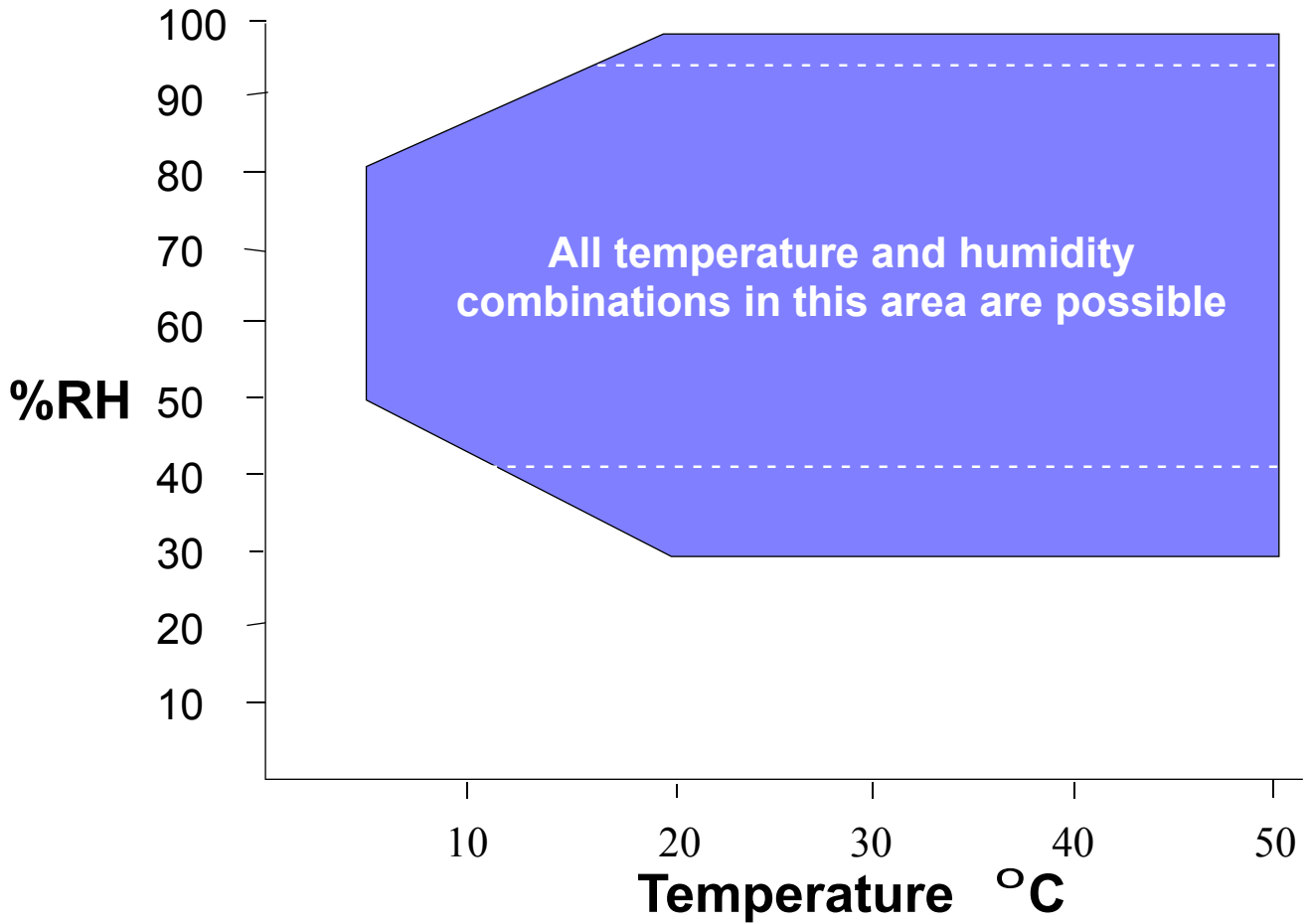
The humidifier uses an ultrasonic fine mist generator located in the airflow. The microprocessor controller monitors and adjusts the chamber humidity level. All /RH cabinets can dehumidify and humidify as standard but not all combinations of temperature and humidity are possible. See chart.

The alternative MC range of four refrigerated models is equipped with a dehumidifier as standard so that the humidity can be reduced if required. These models are also equipped with 'ramp and dwell' programmability for shelf life studies, resin curing procedures and packaging testing. Please call us for full details.



Model LT601/RH

TYPICAL OPERATING RANGE OF SFC3C/RH STABILITY CABINET.



Operating range of SFC2C/RH is very similr to graph above (ie 30 to 98% RH).
Operating range of LT601/RH and LT1201/RH stability cabinets is reduced (40 to 95% RH)