

The MC series was specially developed for applications where exact and reproducible simulation of various environmental conditions is important. Applications include stability testing of pharmaceuticals, components, packaging materials & chemicals. Standard features include programmers, RS232 interface and alarms.

Volumes available: 111, 222, 404, 707 litres
 Temperature range: without humidity 0.0 °C up to 99.9 °C,
 with humidity: 10°C up to 90.0 °C
 Controlled humidity: 10% to 90% RH
 Refrigerant: R134a Inner glass door
 Cooling medium for generating the humidity -
 distilled water, drinking water (max. 50 mg Ca/l)
 Microprocessor controlled humidifying system
 Microprocessor controlled dehumidifying system
 Interior: stainless steel, mat. No. 1.4301 (AISI 304)



Control Panel Detail

STANDARD FEATURES

- 6 programmes programme cycles
- chip card system for individual program storage
- RS 232- interface for printer or PC-communication
- delayed heating start and stop function
- acoustic alarm
- time range 0-16 years with 1 min-intervals
- digital safety thermostat class 3
- programming temperature ramps
- Adjustable ventilation rate 10 - 100%

OPTIONS

- interior lighting
- access ports 25, 50,100 mm
- door lock
- left door versions (not models 404 & 707)
- timer programmable waterproof socket
- HEPA-filter

SPECIFICATIONS

	Model-	MC 00-	1610	1620	1630	1640
Internal dimensions	volume (l)		111	222	404	707
Chamber, stainless steel	width (mm)		540	540	540	940
	Depth (mm)		370	520	520	520
	Height (mm)		530	760	1410	1410
	Volume of the steam space approx, litres		163	299	524	876
Trays, stainless steel *)	no. max./usual		7/2	10/2	19/2	19/2
Min. distance between trays	cm		7	7	7	7
Number of outer metal doors	no.		1	1	1	2
Number of inner glass doors	no.		1	1	1	2
Admissible weight of trays	total in oven, kg		50	70	100	130
	per 1 tray, kg		20	30	30	50
	max. power, W mains		2740	2740	3340	3440
Electricity data			---- 50/60 Hz, 230v all models ----			
Protective system			IP 20	IP20	IP20	IP 20
Performance Data	Temperature range		-- from 10.0°C to 99.9°C, all models --			
	Deviation at +10°C		< 0.5	< 0.5	< 1	< 1
	at +37°C		< 0.5	< 0.5	< 1	< 1
	Variation °C		< 0.2	< 0.3	< 0.3	< 0.4
	Heating/up time to 37°C	from ambient, min		24	25	26
Cooling/down time	from 22°C to 10°C, min		< 21	< 21	< 21	< 21
	at 37°C, min		4	4	4	4
	at 50°C, min		4	4	4	4
Recovery time after 1 min door opening	range%		10-90	10-90	10-90	10-90
Relative humidity, External dimensions, max	width (mm)		760	760	1010	1460
	depth (mm)		640	790	790	790
	Height (mm)		1100	1330	1910	1910
	Weight,	net , kg		101	132	230
	gross, kg		131	169	270	316

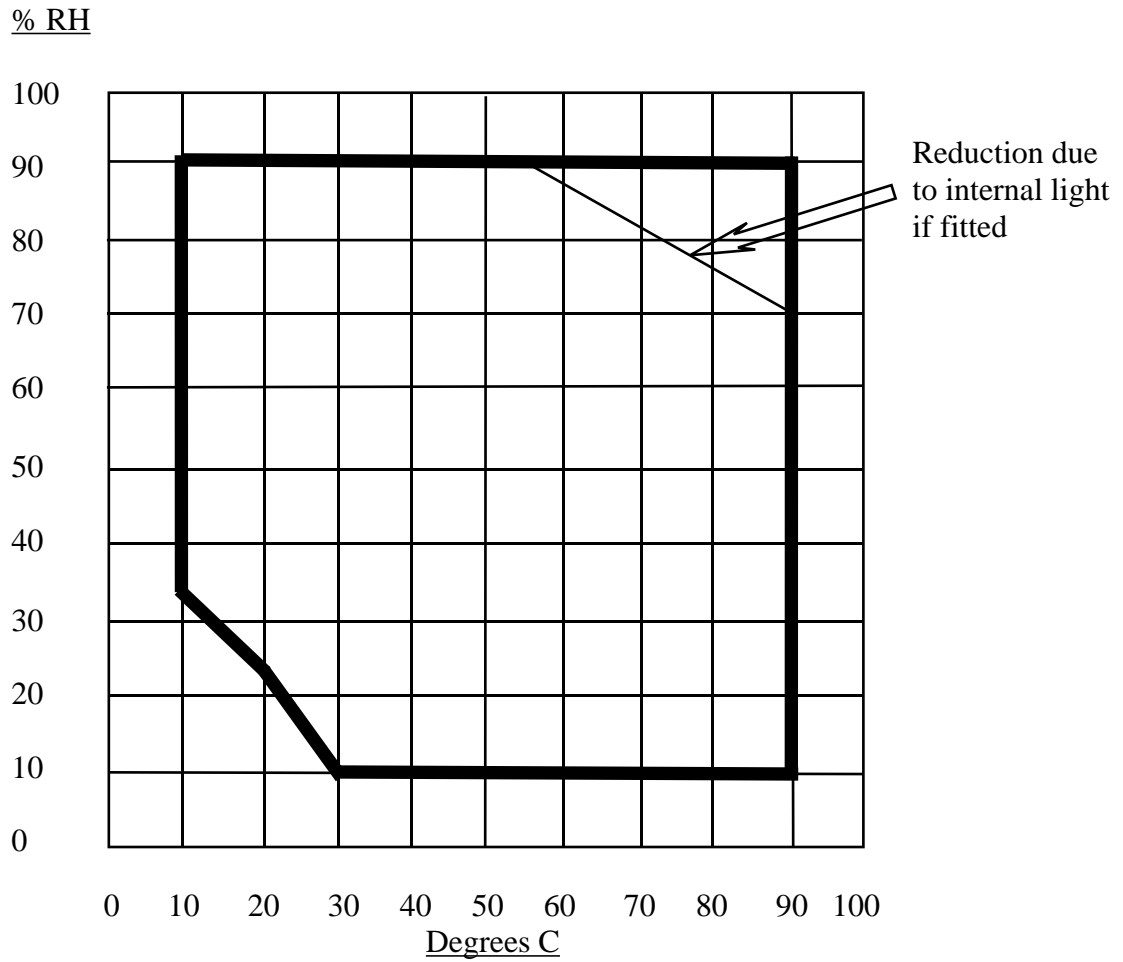
*) Approx. 50 % of the tray area can be filled in a way uniform air circulation is enabled inside the chamber.
 Note: All technical data are at 22°C ambient temperature and ±10% maximum voltage swing.

MC Humidity Cabinets

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MC cabinets can control within certain limits as follows:



For control outside the above limits please ask us about the SP models.

