memmert

Climate Chamber - 'ICH' Series

Compressor-cooled stability test chambers developed by Memmert stand out due to their unparalleled temperature and humidity homogeneity for long-term stable ambient conditions. The climate chamber ICH has been specially designed for testing pharmaceutical products according to **ICH, Q1A and Q1B, option 2,** and similar global standards for stability tests of cosmetics and food.

Standard Equipment

Interior: Stainless steel, material 1.4301 (ASTM 304), deep-drawn
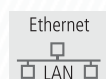
Internals: 2 stainless steel grids

Housing: Textured stainless steel, rear zinc-plated steel, intuitively operated TwinDISPLAY (2 TFT colour displays) with touchscreen

Double doors: Outside stainless steel, fully insulated, inside glass (size 750 two-leaves)

Connection: Mains cable with plug

Installation: Mounted on lockable castors

Interfaces: USB   Ethernet
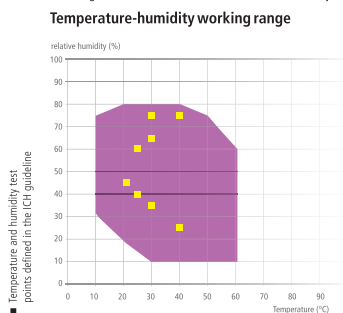   LAN

Salient Features

- Stainless steel interior and exterior

- SetpointWAIT function

- Internal data logger with over 10 years storage

- AtmoCONTROL software

- Powerful and energy-saving use of CFC-free cooling and heating system

- Air jacket system: no drying-out of the load

- Can be supplied with light (ICH L) or CO_2 control (ICH C)

Climate Chamber ICH (108 to 749 Litres) for Stability Tests

Model sizes/Description				110	260	750
Stainless steel interior	Volume	approx. l		108	256	749
	Width	mm		560	640	1040
	Height	mm		480	800	1200
	Depth (less 33 mm for fan)	mm		400	500	600
	Stainless steel grids (standard equipment)	number			2	
	Max. number of grids/shelves	number		5	9	14
	Max. loading per grid/shelf	kg			20	30
	Max. loading of chamber	kg		150		200
Textured stainless steel exterior	Width	mm		745	824	1224
	Height (with castors)	mm		1233	1552	1950
	Depth (without door handle), door handle + 56 mm	mm		634	734	834
	Entry port (silicone), 40 mm clear diameter, for introducing connections, moisture tight, can be closed by a silicone stopper, standard position					
Further data		approx.W				
		approx.W				1530
	Working temperature range ICH / ICH L with humidity and/or light	°C			+10 to +60	
	Working temperature range ICH C with and without humidity	°C			+10 to +50	
	Working temperature range without humidity ICH	°C			-10 to +60	
	Working temperature range without humidity ICH L	°C			0 to 60	
	Setting temperature range ICH	°C			-10 to +60	
	Setting temperature range ICH L	°C			0 to +60	
	Setting temperature range ICH C	°C			+10 to +50	
	Setting accuracy	°C			0.1	
	Adjustment range humidity	% rh			10 to 80	
	Setting accuracy humidity	% rh			0.5	
	Digital electronic CO_2 control with autozero, NDIR system, with auto-diagnostic system and acoustic fault indication, barometric pressure compensation (only ICH C), adjustment range	% CO_2			0 to 20	0 to 10
	Control accuracy 0 – 10 % CO_2 11 – 15 % CO_2	%		+/- 0.2 +/- 0.5		+/- 0.3 −
	Setting accuracy CO_2 (only model ICH C)	% CO_2			0.5	
	Illumination unit (only model ICH L) acc. ICH Q1B option 2; light intensity approx. 8.000 Lux; separately switchable via controller, one box Number of fluorescent lights with cold white light size 110: 3, sizes 260/750: 4 Number of fluorescent lights with UV lamps all sizes: 2				standard illuminant D65, 6,500 K spectral range of 320 to 400 nm, 8 W/m²	
Standard accessories	Water tank including connection hose					
Packing data	Net weight	approx. kg		109	160	249
	Gross weight (packed in carton)	approx. kg		137	217	319
	Width	approx. cm		88	93	133
	Height	approx. cm		141	176	215
	Depth	approx. cm		81	93	105

Order No. Climate Chambers
ICH   = Climate chamber
ICH L = Climate chamber with light
ICH C = Climate chamber with CO_2 control

	110	260	750
	ICH110	ICH260	ICH750
	ICH110L	ICH260L	ICH750L
	ICH110C	ICH260C	ICH750C

We reserve the right of technical modifications. Dimensions are subject to confirmation.

CE

Temperature-humidity working range

Accessories

1. Stainless steel grid and shelf

2. Reinforced perforated stainless steel shelf / grid

3. Stainless steel drip tray

4. Central water-supply with or without filter cartridges

Options

- Illumination units - Fluorescent lights / UV lamps

- Alternative light boxes, one box, for all sizes, second box for sizes 260 and 750

- Entry port hole 23 and 40mm

product range

www.memmert.com

- Ovens
- Incubators
- Sterilisers
- Vaccum Ovens
- Peltier Cooled Incubators
- CO_2 Incubators
- Constant Climate Chambers
- Humidity Chambers
- Stability Test Chambers
- Water & Oil Baths
- Clean Room Drying Ovens
- Pass Through Ovens

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