



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

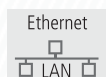
Housing: Textured stainless steel, rear zinc-plated steel, intuitively operated TwinDISPLAY (2 TFT colour displays) with touchscreen

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

Connection: Mains cable with plug

Installation: Mounted on lockable castors

Interfaces:



Salient Features

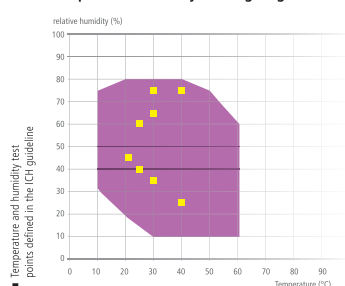
- Stainless steel interior and exterior
- SetpointWAIT function
- Internal data logger with over 10 years storage
- AtmoCONTROL software
- Powerful and energy-saving use of CFC-free cooling and heating system
- Air jacket system: no drying-out of the load
- Can be supplied with light (ICH L) or CO₂ control (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			ICH110	ICH260	ICH750	
ICH = Climate chamber			ICH110L	ICH260L	ICH750L	
ICH L = Climate chamber with light			ICH110C	ICH260C	ICH750C	
ICH C = Climate chamber with CO ₂ control						

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

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

▮ Ovens
▮ Incubators
▮ Sterilisers

▮ Vacuum Ovens
▮ Peltier Cooled Incubators
▮ CO₂ Incubators

▮ Constant Climate Chambers
▮ Humidity Chambers
▮ Stability Test Chambers

▮ Water & Oil Baths
▮ Clean Room Drying Ovens
▮ Pass Through Ovens

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