

Humidity Chambers - 'HCP' Series



HUMIDITY CHAMBER HCP with active humidity control from 20 % to 95 % rh and unsurpassed real temperature humidity homogeneity over the entire interior, this nearly condensation-free climate chamber offers the full range of comfort, reliability and safety. It is ideally suited for environment tests, accelerated life tests, stress tests of drug substance according to ICH Q1A and 85/85 tests to IEC 60068-2-67 and IEC 60068-2-78. It is also used in building physics and biological research.

Standard Equipment

Interior: Stainless steel, material 1.4301 (ASTM 304), deep-drawn, seamlessly welded

Internals: Perforated stainless steel shelves size 50:1, sizes 105-240:2

Housing: Textured stainless steel, rear zinc-plated steel, intuitively operated TwinDISPLAY (TFT colour display) with touchscreen: fully insulated stainless steel door and heated inner glass door

Double doors: Outside stainless steel, fully insulated, inside glass

Connection: Mains cable with plug (German type)

Installation: 4 adjustable feet

Interfaces:  

Salient Features

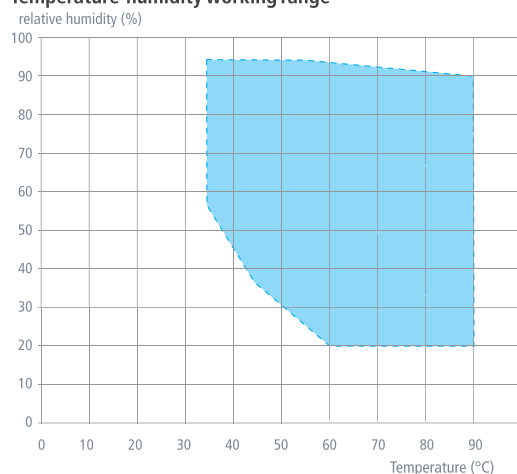
- Stainless steel interior and exterior
- 6 side heating
- Humidity limit control as standard
- Heated inner glass door as standard
- Door-open-recognition: visual and acoustic alarm
- Internal data logger with capacity of at least 10 year
- AtmoCONTROL software on USB stick for programming
- Works calibration certificate (test point chamber center at +60°C with 75 %rh)

Humidity Chambers HCP (56 TO 241 LITERS)



Model sizes/Description			50	105	150	240
Stainless steel interior	Volume	approx. l	56	107	156	241
	Width (A)	mm	400	560		600
	Height (B)	mm	425	480	700	810
	Depth (less 35 mm for fan) (C)	mm	330	400		500
	Max. number of grids/shelves	number	5	6	10	12
	Max. loading per grid/shelf	kg	15			
	Max. loading of chamber	kg	75	90	120	140
Textured stainless steel exterior	Width (D)	mm	559	719		759
	Height (variable through adjustable feet) (E)	mm	795	850	1070	1180
	Depth (without door handle), door handle +56 mm (F)	mm	521	591		691
	Fully insulated heated stainless steel door		●			
	Additional heated inner glass door		●			
Standard equipment	Stainless steel shelves, perforated	number	1	2		
	Entry port (silicone), 40 mm clear diameter, moisture tight, can be closed by silicone stopper, at the back, centre left		●			
	Works calibration certificate (measuring point chamber centre)	°C	+60 °C with 75 % rh			
	Door-open-recognition, incl. alarm, shuts down fan		●			
Temperature	Working temperature range	°C	+7 above ambient temperature up to +90			
	Setting temperature range	°C	+18 to +90			
	Setting accuracy	°C	0.1			
Humidity	Capacitive humidity sensor for measuring and displaying the relative humidity		●			
	Active microprocessor control for humidifying and dehumidifying (20 – 95 % rh), incl. digital indication and auto-diagnostic system ensures even more rapid reaching of set humidity and very short recovery times. Humidity supply with distilled water (from an external tank) by a self-priming pump; integral bacteria block by generating hotsteam, dehumidifying via sterile filter		●			
	Setting range active humidity control	% rh	20 to 95 and rh-Off			
	Setting accuracy	% rh	0.5			
Further data	Electrical load at 230/115 V, 50/60 Hz	approx. W	1520	1720	1800	1840
Packing data	Net weight	approx. kg	55	75	90	110
	Gross weight (packed in carton)	approx. kg	74	100	116	145
	Width	approx. mm	730	800		840
	Height	approx. mm	950	1030	1250	1360
	Depth	approx. mm	640	800		900
Order No. Humidity Chambers			HCP50	HCP105	HCP150	HCP240

Temperature-humidity working range



Accessories

1. Perforated stainless steel shelf
2. Stainless steel grid
3. Central water supply
4. Guarantee extension by 1 year

Options

- Entry port 23 mm at the side centre/top
- Peltier cooling unit
- Battery-buffered ControlCOCKPIT
- 4-20 mA current loop interface
- Works calibration certificate for one freely selectable temperature and humidity

product range

■ Ovens
■ Incubators
■ Sterilisers

■ Vaccum 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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