



Climate chamber ICH
with TwinDISPLAY + AtmoCONTROL software

Model sizes: 110 / 260 / 750

ICH with humidity control

ICH L with humidity control and light

ICH C with humidity and CO₂ control

Temperature range with humidity

ICH +10 °C to +60 °C

ICH L +10 °C to +60 °C

ICH C +10 °C to +50 °C

Humidity range 10 – 80 % rh

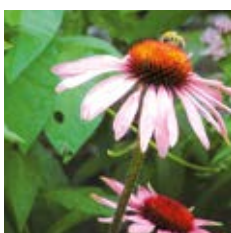
Temperature range without humidity

ICH -10 °C to +60 °C

ICH L 0 °C to +60 °C

ICH C +10 °C to +50 °C

CLIMATE CHAMBER ICH 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.



All-round protection of samples

No icing, no drying out of samples, no dehumidification of the working chamber. Cooling aggregate and heating of the ICH are situated outside the working chamber in the air jacket surrounding the entire chamber thus ensuring quick and precise temperature control. Furthermore, the motor-driven forced air circulation, adjustable in 10 % steps, ensures particularly homogenous temperature distribution.



ICH air jacket system

For supporting IQ/OQ/PQ validation, the control can be adjusted directly on the appliance:
on models ICH, ICH L, ICH C of size 110/260: for three free-selectable values each, temperature/humidity/CO₂
on models ICH, ICH L, ICH C of size 750: for three free-selectable values each, temperature/humidity;
for two selectable values CO₂

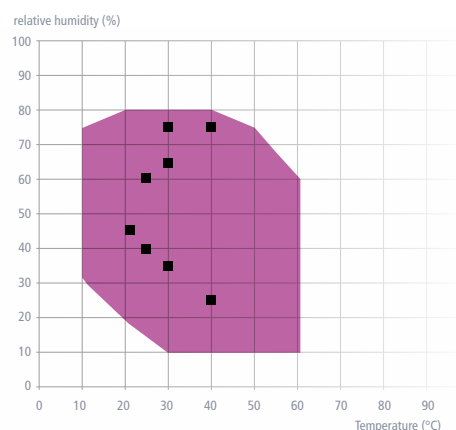
Illumination complies with ICH Q1B, option 2

For tests in accordance with ICH Q1B, option 2, an illumination unit is available for model ICH L. Fluorescent lights with cold-white light (standard illuminant D65, 6,500 K) as well as UV radiation in the spectral range of 320 – 400 nm, serve as light source.

Model ICH C with CO₂ control

In addition to the features of the basic model ICH, the ICH C model is equipped with an electronic CO₂ control with automatic zero setting, NDIR measurement system, auto-diagnostic system, acoustic alarm and air pressure compensation.

Temperature-humidity working range



■ Temperature and humidity test points defined in the ICH guideline

