

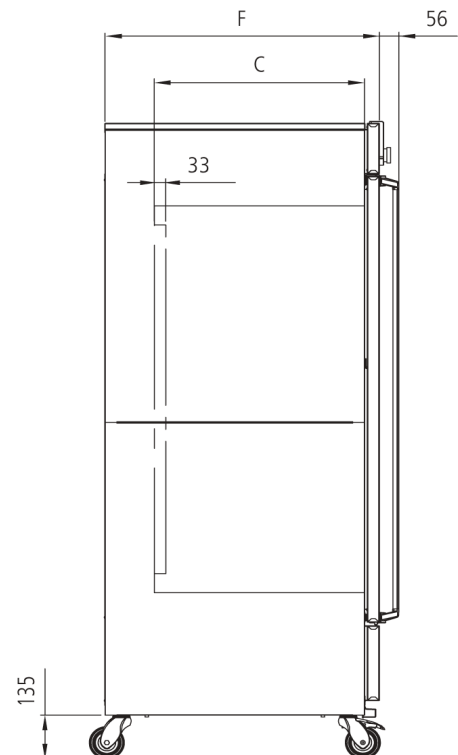
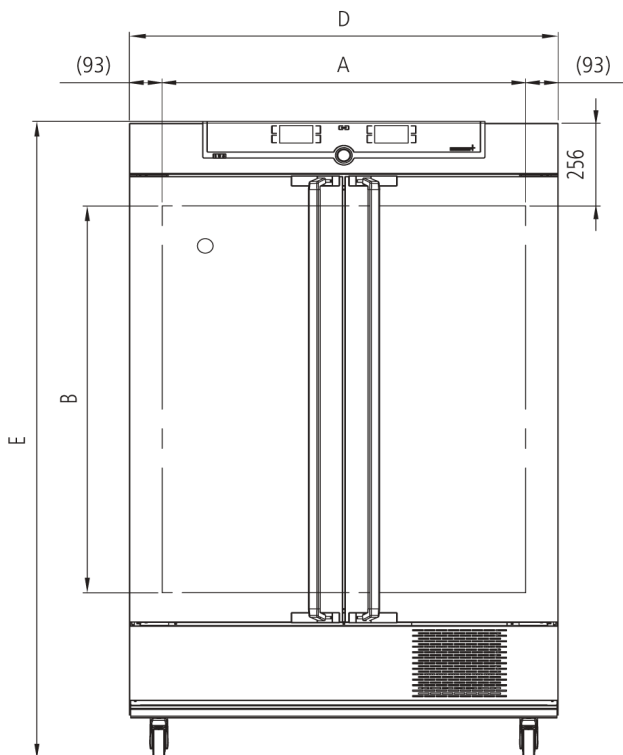


## Climate chamber ICH750L

Unparalleled homogeneity of temperature and humidity! For stability testing according to ICH - WHO - EMA - ASEAN - GMP - GLP – GCCP.



On this page, you can find all the essential technical data on the Memmert climate chamber ICH. Our customer relations team will be pleased to help if you want further information. If you should require a customised special solution, please contact our technical specialists at [myAtmoSAFE@memmert.com](mailto:myAtmoSAFE@memmert.com).



## Temperature

|                                     |                                                                                                                              |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Working temperature range</b>    | from +10°C up to +60°C with humidity                                                                                         |
| <b>Setting accuracy temperature</b> | 0.1°C                                                                                                                        |
| <b>Temperature</b>                  | 2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value |

## Humidity

|                       |                                                                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Humidity</b>       | humidity supply with distilled water from external tank by self-priming pump                                                                                     |
| <b>Humidification</b> | humidification by hot steam generator                                                                                                                            |
| <b>Humidity</b>       | active humidifying and de-humidifying adjustable from 10-80 % rh with digital display of relative humidity - resolution of display 0.1 %, setting accuracy 0.5 % |

## Control of standard components

|              |                                                                                                                                                                 |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Light</b> | daylight and UV-light can be programmed individually via controller                                                                                             |
| <b>Light</b> | cold white light +/- 6 %, for UV-light +/- 10 %                                                                                                                 |
| <b>Light</b> | illumination unit consisting of 4 fluorescent lights with cold white light (standard illuminant D65, 6.500K) and 2 UV-lamps in the spectral range of 320-400 nm |

## Control technology

|                              |                                                                                                                         |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>ControlCOCKPIT</b>        | TwinDISPLAY. Adaptive multifunctional digital PID-microprocessor controller with 2 high-definition TFT-colour displays. |
| <b>Language setting</b>      | German, English, Spanish, French, Polish, Czech, Hungarian                                                              |
| <b>Timer</b>                 | Digital backwards counter with target time setting, adjustable from 1 minute to 99 days                                 |
| <b>Function SetpointWAIT</b> | the process time does not start until the set temperature is reached                                                    |
| <b>Calibration</b>           | three freely selectable values each, temperature/humidity, for two freely selectable values CO2                         |
| <b>adjustable parameters</b> | temperature (Celsius or Fahrenheit), fan speed, light, programme time, time zones, summertime/wintertime                |

## Ventilation

|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| <b>Fan</b> | forced air circulation in working chamber adjustable from 10 to 100 % in 10 % steps |
|------------|-------------------------------------------------------------------------------------|

## Communication

|                      |                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Documentation</b> | programme stored in case of power failure                                                                                    |
| <b>Programming</b>   | AtmoCONTROL software on a USB stick for programming, managing and transferring programmes via Ethernet interface or USB port |

## Safety

|                              |                                                                                                                                                                                                                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Temperature control</b>   | mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 10°C above nominal temperature                                                                                                                                       |
| <b>Temperature control</b>   | over- and undertemperature monitor TWW, protection class 3.3 or adjustable temperature limiter TWB, protection class 2, selectable on display                                                                                                                                       |
| <b>AutoSAFETY</b>            | additionally integrated over- and undertemperature protection "ASF", automatically following the setpoint value at a preset tolerance range, alarm in case of over- or undertemperature, heating is switched off in case of overtemperature, compressor in case of undertemperature |
| <b>Autodiagnostic system</b> | integral fault diagnostics for temperature and humidity control                                                                                                                                                                                                                     |
| <b>Alarm</b>                 | visual and acoustic                                                                                                                                                                                                                                                                 |

## Heating concept

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Air jacket</b>      | air jacket heating system for gentle all-around heating                                                 |
| <b>Heating concept</b> | no drying-up of the load caused by the cooling device due to separation of thermal jacket from interior |
| <b>Cooling</b>         | energy-saving use of CFC-free cooling/heating system (refrigerant R134a)                                |
| <b>Defrosting</b>      | highly efficient automatic defrosting system                                                            |

## Standard equipment

|                                      |                                                                                    |
|--------------------------------------|------------------------------------------------------------------------------------|
| <b>Works calibration certificate</b> | standard values +10°C u. +37°C, 60 % rh bei +30°C                                  |
| <b>Door</b>                          | inner glass doors                                                                  |
| <b>Door</b>                          | fully insulated stainless steel doors with 2-point locking (compression door lock) |
| <b>Internals</b>                     | 2 stainless steel grids                                                            |

## Stainless steel interior

|                                     |                                                                |
|-------------------------------------|----------------------------------------------------------------|
| <b>Volume</b>                       | 749 l                                                          |
| <b>Dimensions W x H x D in mm</b>   | $w_{(A)} \times h_{(B)} \times d_{(C)}$ : 1040 x 1200 x 600 mm |
| <b>Max. number of grids/shelves</b> | 14                                                             |
| <b>Max. loading of chamber</b>      | 200 kg                                                         |
| <b>Max. loading per grid/shelf</b>  | 30 kg                                                          |

## Textured stainless steel casing

|                     |                                                                |
|---------------------|----------------------------------------------------------------|
| <b>Installation</b> | on lockable castors                                            |
| <b>Dimensions</b>   | $w_{(D)} \times h_{(E)} \times d_{(F)}$ : 1224 x 1950 x 834 mm |
| <b>Housing</b>      | rear zinc-plated steel                                         |

## Electrical data

|                 |                 |
|-----------------|-----------------|
| Voltage         | 230 V, 50/60 Hz |
| Electrical load | approx. 1350 W  |
| Voltage         | 115 V, 50/60 Hz |
| Electrical load | approx. 1350 W  |

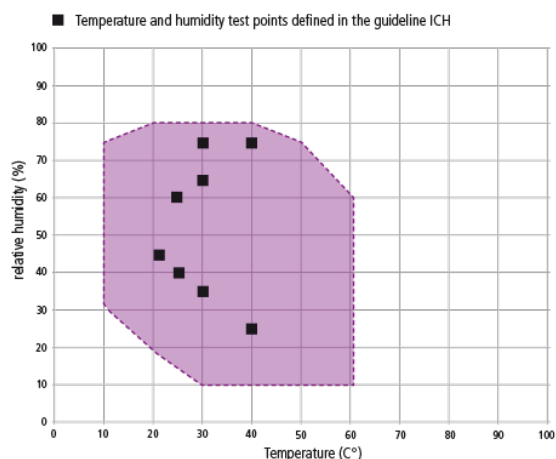
## Packing/shipping data

the appliances must be transported upright

|                                |                                  |
|--------------------------------|----------------------------------|
| Customs tariff number          | 8419 8998                        |
| Country of origin              | Federal Republic of Germany      |
| WEEE-Reg.-No.                  | DE 66812464                      |
| Dimensions approx incl. carton | B x H x T: 1330 x 2150 x 1050 mm |
| Net weight                     | approx. 249 kg                   |
| Gross weight carton            | approx. 319 kg                   |

## Temperature-humidity working range ICH

Not all climate chambers are the same. The humidity content of the chamber load, the ambient conditions and the respective temperature-humidity working range are decisive factors in the selection of the right appliance. In the adjacent diagram, you can see the possible temperature/humidity combinations for our climate chamber ICH.



Temperature-humidity working range ICH

Standard units are safety-approved and bear the test marks

