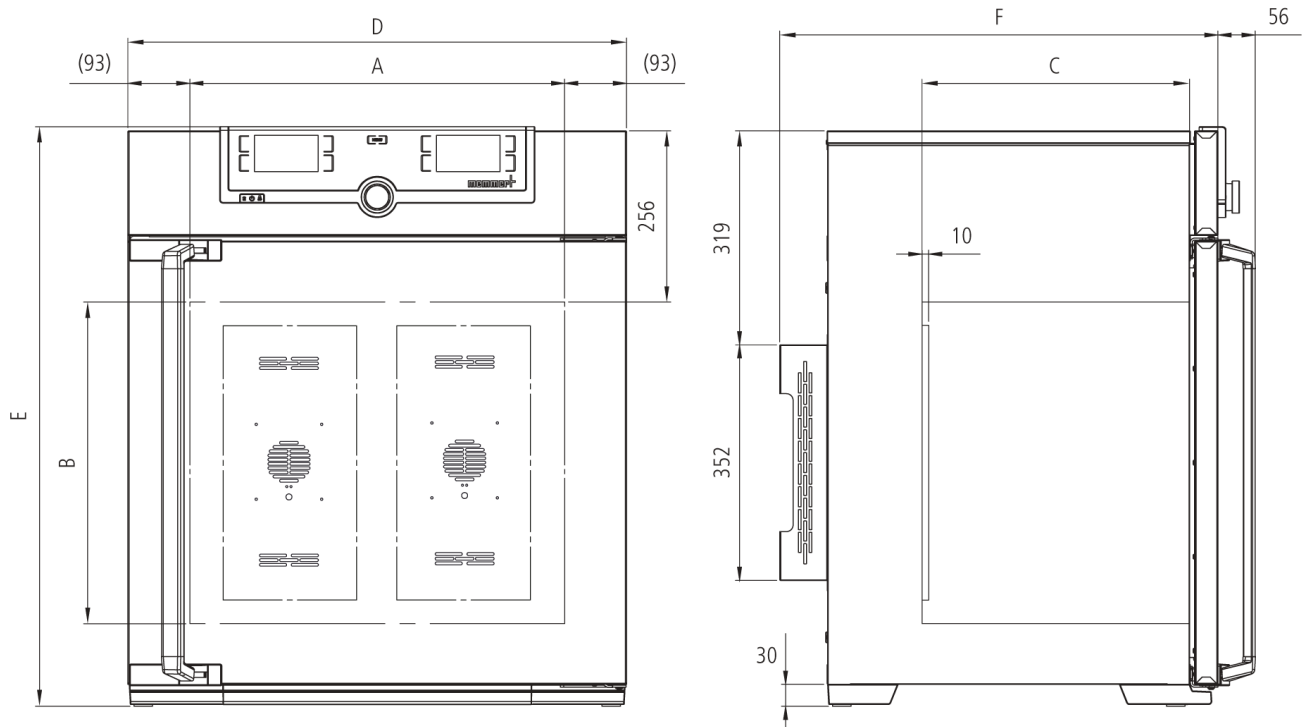# Climate chamber for keeping mice

HPP750life

„Specific Pathogen Free" (SPF) keeping of mice and rats in compliance with GV Solas guidelines.

On this page, you can find all the essential technical data on the Memmert climate chamber HPPlife for keeping mice. 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.

Control of standard components

ControlCOCKPIT	adaptive multifunctional digital PID-microprocessor controller with 2 high-definition TFT-colour displays
Temperature	2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value
Timer	Digital backwards counter with target time setting, adjustable from 1 minute to 99 days
Humidity	active humidifying and de-humidifying adjustable from 10 - 90 % rh with digital display of relative humidity - resolution of display 0.1 %, setting accuracy 0.5 %
Humidity	dehumidification by means of compressed air for safe and stable humidity values in compliance with GV Solas guidelines
Humidity	humidity supply with distilled water from external tank by self-priming pump
Humidity	humidification by hot steam generator
Humidity	dehumidification by cold trap using the Peltier technology

Temperature

resolution of display for setpoint and actual temperature values	0.1°C
	from 0°C to +70°C
	from +5 to +40°C with lighttemperature uniformity (spatial) / accuracywith closed fresh air inlet:30°C/45 %: +/- 0.7 K, +/- 0.3 Kwith open fresh air inlet: +/- 1.5 K, +/- 0.3 K

Control technology

adjustable parameters	temperature (Celsius or Fahrenheit), relative humidity, programme time, time zones, summertime/wintertime
Function SetpointWAIT	the process time does not start until the set temperature is reached
Function HeatBALANCE	adapting the distribution of the heating performance of the upper and lower heating circuit from -50 % to +50 %
Language setting	German/English/Spanish/French
Calibration	three freely selectable temperature values, 2-point calibration for humidity: 20 and 90 % rh

Ventilation

forced ventilation by Peltier fan	
Fresh air admixture	2 fresh air inlets (40 mm Ø) in the rear at the bottom, can be closed with stopper
Vent	1 exhaust air outlet in the rear at the top (80 mm Ø) with fan, to control the air exchange rate, adjustable in 10 % steps (max. air exchange rate 38 times/h)

Communication

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

Safety

Autodiagnostic system	integral fault diagnostics for temperature and humidity control
Alarm	visual and acoustic
Temperature control	over- and undertemperature monitor TWW, protection class 3.3 or adjustable temperature limiter TWB, protection class 2, selectable on display
AutoSAFETY	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 function is switched off in case of overtemperature, cooling function in case of undertemperature

Heating concept

Heating and cooling performance distribution by individual control of the Peltier elements in the upper and lower row

energy-saving Peltier heating-/cooling system integrated in the rear (heat pump principle)

Standard equipment

Door	fully insulated stainless steel doors with2-point locking (compression door lock)
Door	inner glass doors
Housing	rear zinc-plated steel
Installation	on lockable castors
Internals	2 special stainless steel grids, reinforced, each with 2 LED light strips, adjustable in 1 % steps (5.500 K cold white or 2.700 K warm white)

Stainless steel interior

Dimensions W x H x D in mm	$w_{(A)}$ x $h_{(B)}$ x $d_{(C)}$: 1040 x 1200 x 600 mm
Volume	749 l
Max. loading of chamber:	200 kg

Textured stainless steel casing

	$w_{(D)}$ x $h_{(E)}$ x $d_{(F)}$: 1224 x 1726 x 874 mm

Electrical data

Voltage	115 V, 50/60 Hz
Electrical load	approx. 1200 W
Voltage	230 V, 50/60 Hz
Electrical load	approx. 1200 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 1910 x 1050 mm
Net weight	approx. 208 kg
Gross weight carton	approx. 279 kg

Standard units are safety-approved and bear the test marks