

CONSTANT CLIMATE

BY MEMMERT



CONSTANT CLIMATE CHAMBERS BY MEMMERT

Memmert constant climate chambers (HPP) are unbeatable in **energy efficiency**. Ideally suited for long-term stability testing, the units are virtually maintenance-free. The high-precision, **Peltier temperature control**, and active humidity and dehumidification adhere to the ICH guidelines, option Q1A.

The Memmert HPP climate chamber also accommodates an integrated **LED light module** for seed germination, plant cultivation, or breeding of zebrafish or insects. The module is well suited for drosophila breeding, under a constant climate and daylight conditions. Cold white light (6,500 Kelvin) or a combination of cold white and warm white light (2,700 Kelvin) are dimmable in steps of 1%.

A Memmert constant climate advantages:

- Temperature range up to +70 °C
- 7 model sizes (108 to 2140 liters)
- Peltier heating and cooling concept for precise and homogenous temperature control
- Optional LED light module (model dependent)
- TwinDISPLAY, touch and turn, control panel
- Digital, active humidification and dehumidification up to 90%
- Insulated stainless steel door with heated inner glass door
- Use of high-quality, corrosion-resistant and hygienic stainless steel for the working chamber and housing
- Temperature and humidity ramps programmable via AtmoCONTROL software
- Made in Germany with a 3-year warranty

MEMMERT CONSTANT CLIMATE CHAMBERS HPP

Memmert constant climate chambers (HPP) are unbeatable in energy efficiency. Ideally suited for long-term stability testing, the units are virtually maintenance-free. The high-precision temperature control, as well as active humidity and dehumidification, were adapted to the ICH guidelines, option Q1A.



MODEL	HPP110	HPP260	HPP410	HPP750	HPP1060	HPP1400	HPP2200
Capacity: Liters (cu.ft.)	108 (3.8)	256 (9)	384 (13.5)	749 (26.4)	1060 (37.4)	1360 (48)	2140 (75.5)
Sensor Type	(2) Pt100 sensors DIN Class A in 4-wire-circuit for mutual monitoring, taking over functions in case of an error						
Temperature Range w/out Humidity	0 °C to +70 °C					15 °C to +60 °C	
Temperature Range w/ Humidity	5 °C to +70 °C						
Temperature Accuracy	0.1 °C						
Humidity	10 to 90 % rh					10 to 80 % rh	
Humidity Accuracy	0.5 % rh						
Heating Concept	Energy-saving Peltier heating-/cooling system integrated in the rear (heat pump principle)						
Shelves provided* (max.)	2 (5)	2 (9)	2 (14)	2 (14)	2 (14)	4 (28)	6 (42)
Door Concept	Outside stainless steel, fully insulated, inside glass (size 1060/1400/2200 stainless steel doors with glass sector, fully heated inner glass panes integrated in the full-sight glass door with 2-point locking – compression door lock). Sizes 750, 1060 and 1400 two leaves, size 2200 three leaves						
Exterior Dims WxHxD: mm (in.)	745 x 864 x 656 (29.3 x 34 x 25.8)	824 x 1183 x 756 (32.4 x 46.5 x 29.7)	824 x 1720 x 756 (32.4 x 67.7 x 29.7)	1224 x 1720 x 856 (48 x 67.7 x 33.7)	1040 x 1200 x 850 (41 x 47.25 x 33.4)	1435 x 1913 x 1007 (56.5 x 75.3 x 39.6)	2157 x 1913 x 1007 (85 x 75.3 x 39.6)
Weight: kg. (lbs)	77 (170)	122 (269)	130 (287)	208 (459)	260 (573)	450 (992)	493 (1,087)
Electric	115 V					230 V	
Warranty	3 Years						
Country of Origin	Germany						
Standard Accessories	Water tank w/hose, calibration certificate						
Common Accessories**	LED light module (models HPP110 – HPP750), Adjustable subframe ((models HPP110, HPP260)						

*Perforated stainless steel. **Additional accessories available, please inquire.

Learn more: hettweb.com/memmert

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