



**World's First!
Cooling with
Peltier!**

Peltier cooling unit CDP 115

A genuine world first from Memmert! The innovative Peltier cooling unit CDP 115 enables you to work precisely with temperatures below room temperature and puts an end to unwieldy external cooling units. Space-saving, environmentally friendly and precise in its temperature control, it fits on the smallest as well as on the largest Memmert waterbath! Your benefits: Compact design, user-friendly snap-on technology and exact controllability down to ± 0.1 K.

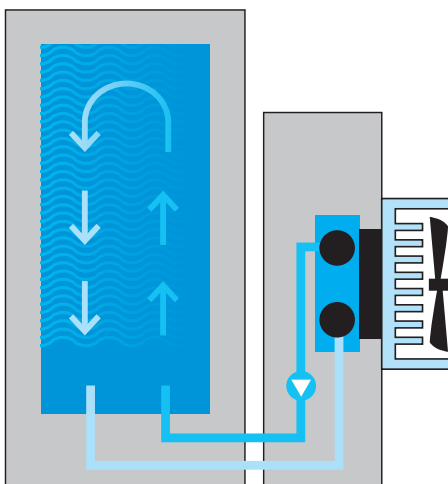
Cooling with Peltier – sustainable and energy-saving

If constant set temperatures close to ambient are required in the waterbath, Peltier elements cool down the tempering medium in a way that is economical, eco-friendly and precise.

- No gases or fluids (coolants) required, and therefore no hazardous waste
- Quiet and smooth-running
- High control precision
- Saves valuable space in the laboratory

A cooling unit for all Memmert waterbaths!

The CDP 115 extends the temperature range of the Memmert waterbaths from 10° C to 95° C. It can be fitted to all appliances from 7 to 45 litres in capacity, quickly and without technical knowledge. Simply hang it onto the flaps of the gable lid hinge, and that's it! The water is continually circulated via two Norpren tubes, cooling it down. Simultaneous use of the SV shaking device is not a problem.



Fluid circulation





Sustainably into the future!

For many years, the use of Peltier elements for laboratory equipment has been a tradition at Memmert. No manufacturer has a larger range of innovative appliances with this compact, smooth-running, economical and energy-saving technology.



Safety and precision are involved, as always!

The cooling unit CDP 115 has its own main switch. The temperature is controlled via the electronic controller of the waterbath and achieves an impressive precision of ± 0.1 K. A frost protection unit we have developed switches off the cooling element if there is too little fluid flow, thus protecting the Peltier flow-through cooler from freezing. After the disruption has been cleared up, the frost protection switch resets automatically.

Average cooling speed

Filling volumes bath size	Average cooling down speed
7 litres / WN...7	14.1 K/h
10 litres / WN...10	9.9 K/h
14 litres / WN...14	7.1 K/h
22 litres / WN...22	4.5 K/h
29 litres / WN...29	3.4 K/h
45 litres / WN...45	2.2 K/h

* At a room temperature of 20° C

Technical data Peltier cooling unit CDP 115

- Casing dimensions: (H x W x D) 185 x 450 x 120 mm
- Electrical connection: voltage 230 V; 50/60 Hz
- Power consumption: max. 160 W
- Effective cooling capacity: 115 Watt
- Pumping capacity of circulation pump for coolant: 600 ml/minute
- Order number: L8

memmert®

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