

# Direct-to-Liquid Thermoelectric Assembly Model CA-120-DL-24-00



## Description

Direct-to-Liquid thermoelectric assemblies are used to cool (or heat) objects mounted directly to the cold plate. Heat dissipated by objects will be absorbed through the cold plate and pumped by Peltier-modules to a liquid heat sink to discharge the heat to the liquid. The liquid circuit is normally of a recirculating type with a pump and a liquid-to-air heat exchanger to discharge the heat to the ambient air. Because no refrigerant liquid (CFC's) is used, the assemblies are friendly for our environment. The coolers operate 100% on a DC-voltage. They are ready to use and the installation is easy by mounting the object with screws onto the cold plate or by clamping. Our Direct-to-Liquid series is available in several cooling capacities and voltages. Because we design and build our coolers in-house, we are able to build special versions quickly. Please ask for the possibilities.

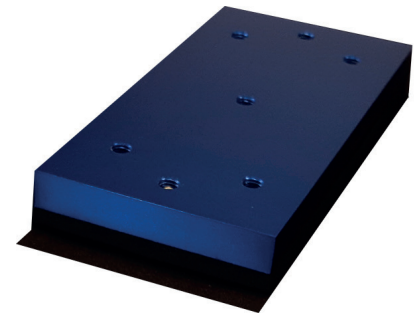


Product photo (warm side)

## Technical specifications

Cooling power (at 0°C dT)	: 141 Watt (±10%)*
Supply	: 24 VDC
Nom. current (excl. fan)	: 4,4 A
Initial current (excl. fan)	: 4,8 A
Fan(s) current at 24 VDC	: n.a. (total)
Power consumption (nom.)	: 106 W (±10%)
Max. ambient temperature	: +61°C
Thermostat (Over Heat)	: 75°C ±5°C
Weight	: 0,7 kg
CE / RoHS 2 compliant	: yes
Packing	: Individual carton box

\* at 25°C ambient temperature



Product photo (cold side)

## Benefits & Application areas

### BENEFITS

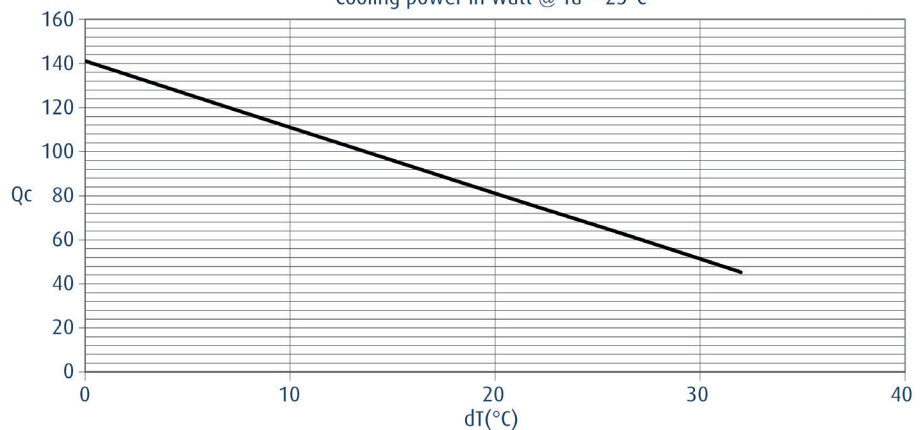
- Compact design
- High cooling capacity
- DC operation
- Easy installation
- Reliable solid-state technique

### APPLICATION AREAS

- Laboratories
- Medical lasers
- Analytical instrumentation
- Thermal conductive enclosures
- Industrial lasers
- Semiconductor testing

### Performance graph

Cooling power in Watt @ Ta = 25°C

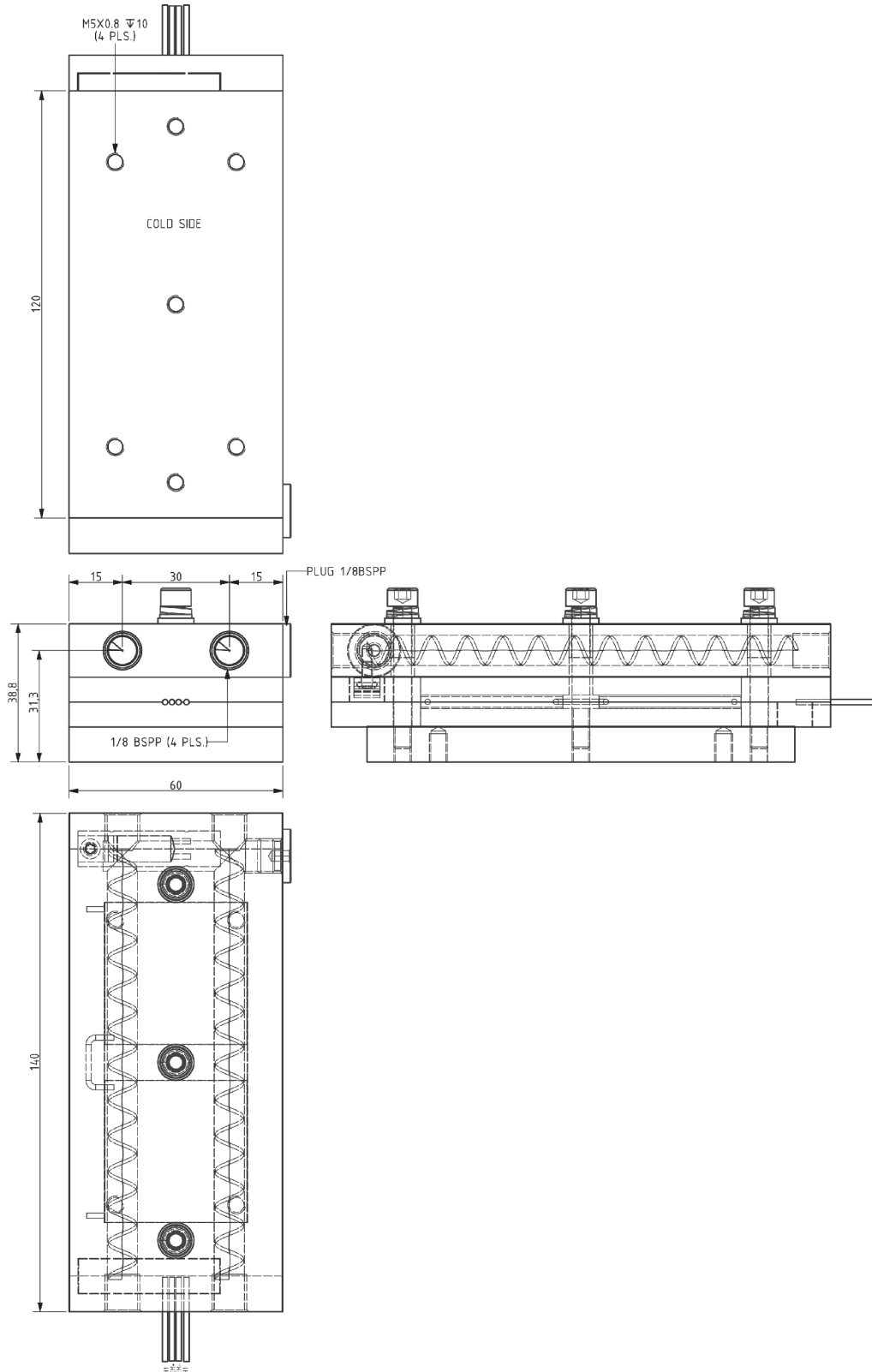


All specifications are subject to change without notice.

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## Dimensions



All specifications are subject to change without notice.