

# QiDi Polar Cooler Extruder Cooler for the Q2/Max4 Series



Model: PCM4-Q2

Manufacturer: QIDI

EAN: 744581223334

Product Code: 1279189

## R5,453

### QiDi Polar Cooler for the Q2/Max4 Series

3D printing requires maintaining proper operating conditions, especially when working on larger and more demanding projects. The QiDi Polar Cooler was designed for the Q2 and Max4 series printers to provide even better temperature control and increase the stability of the entire process. The use of an active cooling system helps reduce the risk of extruder clogs, improve print quality, and ensure more predictable results. The device utilizes an efficient direct-blow system and a built-in condensate filter, and its installation is quick and hassle-free. It's a practical solution for users who expect high precision and greater comfort while working.

### Effective Protection Against Clogs

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

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One of the most common problems encountered during 3D printing is extruder clogging, which can lead to interruptions in operation and a decline in print quality. The QiDi Polar Cooler uses a direct cool-air blowing system that effectively lowers the temperature in the work area and supports the proper functioning of the extruder and filament. This solution reduces the frequency of clogs by up to 90%, resulting in smoother operation and greater reliability of the entire process.

## **Cooler Air, Better Print Quality**

The cooling system is designed to deliver air at temperatures as low as 10°C. As a result, the device helps maintain optimal operating conditions when printing models that require exceptional precision. The properly selected temperature affects the quality of the surface finish, improves the accuracy of detail reproduction, and supports the stable formation of successive layers of material.

## **Intelligent Chamber Temperature Control**

The cooler works in conjunction with an active airflow control system and a work chamber heating function. This combination helps maintain more stable operating conditions, which is particularly important when creating large models from PLA filament. Limiting sudden temperature changes reduces the risk of warping and print edge lifting, helping to maintain the integrity and aesthetic appearance of the finished parts.

## **Dry and clean air throughout operation**

A built-in condensate filter removes moisture from the airflow, ensuring that only dry and clean air enters the cooling system. This solution helps maintain stable printing parameters and minimizes the impact of external factors on the quality of the printed models. An additional advantage is the simple installation of the cooler, which allows you to quickly set up the device and start printing almost immediately.

## **Included in the set**

- extruder cooler
- power supply
- power cable

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- air intake tube from the Q2
- M2.5\*6 self-tapping screw
- T-shaped cable tie
- user manual

|                               |                                                                                                                |
|-------------------------------|----------------------------------------------------------------------------------------------------------------|
| Manufacturer                  | QiDi                                                                                                           |
| Model                         | PCM4-Q2                                                                                                        |
| Dimensions                    | 234 x 92 x 214 mm <sup>3</sup>                                                                                 |
| Weight                        | 1.6 kg                                                                                                         |
| Materials                     | housing: ABS, hose: silicone (5x7)                                                                             |
| Control mode                  | closed-loop                                                                                                    |
| Temperature control range     | 5-10 °C (air outlet)                                                                                           |
| Operating ambient temperature | 0-65 °C (the chamber temperature must not exceed the material's softening temperature. For PLA, maximum 45 °C) |
| Noise level                   | 54 dB (at a distance of 1 meter in the horizontal plane)                                                       |
| Airflow                       | 2.8-3.2 mph                                                                                                    |
| Heat sink material            | Aluminum                                                                                                       |
| Heat sink dimensions          | 100 × 95 × 25 mm <sup>3</sup>                                                                                  |
| Cooling fan power             | 4 W                                                                                                            |
| Quiet air pump power          | 8.4 W                                                                                                          |
| Rated voltage                 | 12 V                                                                                                           |
| Rated power                   | 60 W                                                                                                           |

PPWR: <https://ppwr.innpro.pl/en/qidi>, Gross weight: 2360, Net weight: 1600, Box length: 35,50, Box width: 24,50, Box height: 14,00, Last delivery: 05.10.2026