

Industrial dispensing

Demanding requirements for temperature control units



Right temperature control – Perfect dispensing results

Most dispensing solutions rely on – or are at least dependent on – a correct dispensing temperature: Changing environmental conditions result in varying viscosities and therefore in unstable dispensing results.

Dispensing applications, e.g. within the automotive industry, rely on screw conveyors or similar technologies. The drawback: Such dispensing systems deliver non-reproducible application flow rates when exposed to temperature changes.

DNPT temperature control solutions for dispensing applications solve such problems by providing highly robust and extremely precise flow-temperature control units from micro-dispensing to automotive applications.

Controlled temperature – stable dispensing results!

Our pledge:

We provide efficient custom solutions to match your need!



Get in touch with our sales team.



Your application will be assessed in detail.



You'll receive comprehensive calculations according to suited norms.



A suitable solution including all relevant accessories will be setup for you.



Get your dispensing temperature control solution customized to your needs.

**Dr. Neumann
Peltier-Technik GmbH**



Get in touch with us:

Gautinger Straße 45, 82061 Neuried, Germany

Phone: +49 (0)89 7248 150-0

Mail: info@dnpt.de

DR. NEUMANN

TECHNIK Peltier

**Application
Example**



Dispensing solutions

Precise in-line temperature control

Stable temperature by precise flow temperature control units



In-line tempering unit

Dispensing solutions



Powerful, precise, compact: DNPT dispensing solutions

Dispensing in-line temperature control units provide extremely precise temperature control by leveraging the full potential of the peltier-technology: Heating, cooling, shock- & vibration resistant with an extremely compact form factor.



Power capacities from 300 W and more



Refrigerant- & maintenance free



Temperature accuracy of 0,1 K or better



Shock-, vibration- & acceleration resistant



Modular control options



Serial communication & webserver



Variable mounting positions

Customization

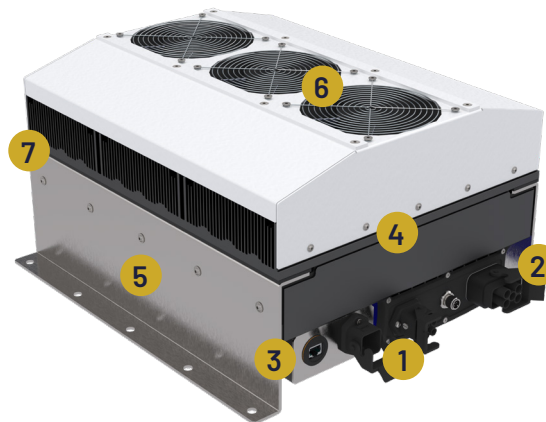
Modular options for your application

DNPT dispensing temperature control units offer a wide range of customizable options to meet the specific requirements of your application.

- 1 400 V-AC input option
- 2 DC-voltage input option
- 3 Serial communication & integrated control
- 4 Various internal & external sensor options
- 5 Customizable mounting interfaces
- 6 Silent and durable fans with filter option
- 7 High pressure fluid connectors

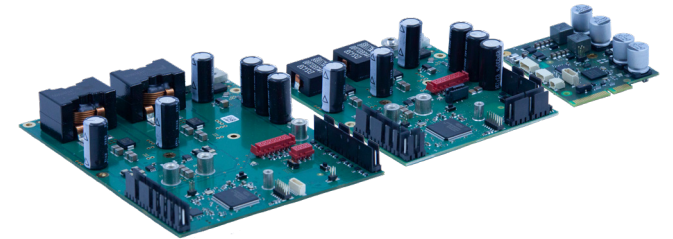
Mechanical & Electrical

Benefit from various customization options for seamless integration.



PWR-CTRL Controller

The heart of intelligent tempering units



Endless opportunities with DNPT TEC-CTRL units

Our new series of TEC-CTRL TEC-Controllers are the core of our dispensing units and offer endless opportunities:

State of the art design enables unmatched temperature precision while incorporating multiple options for integration and monitoring. Next to serial communication interfaces (RS232/485) a webserver option offers optimal monitoring possibilities.

Multiple general purpose digital I/O as well as analogue outputs enable a seamless integration into your application and make for a perfectly customizable control for your specific use case. Of course our controllers also continuously log the current state of the system and offer configurable warning- and error-levels.

Curious? Get in touch with our sales experts!