

# Newsletter

May 2026

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## testo 565i

The testo 565i, a smart vacuum pump which comes in two versions -- 7 CFM and 10 CFM, makes evacuations incredibly easy. Thanks to smart technology and the connection to the testo 552i vacuum probe, the 565i automatically stops evacuation once the desired target value is reached and initiates a vacuum hold test automatically. This means that the entire process takes place all by itself.

Its high quality ensures that it can even be used safely with flammable class A2L and A3 refrigerants.

The new testo 565i vacuum pump carries out evacuations on refrigeration systems and heat pumps fully automatically.

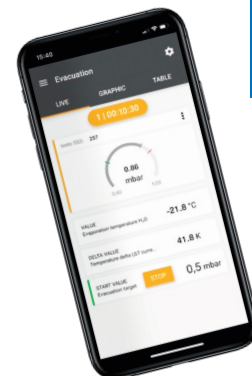
When the desired vacuum target value is reached, pumping is automatically stopped and a vacuum holding test is started at the same time.

Foreign gases and moisture are thus safely removed and data on the tightness of the system is stored.



## Features

- Fully automated evacuation process with integrated holding test
- Safe use even with flammable class A3 and A2L refrigerants
- One app for everything: Configure measurements, monitor and manage data with the testo Smart App
- Easy oil change and inspection glass for quick assessment of the oil level
- Non-return valve to prevent vacuum loss in the event of a power interruption
- Automatic Bluetooth connection with the testo 565i, the manifolds and Smart Probes
- The testo Smart App guides you quickly and easily through measurement on refrigeration, air conditioning and heating systems
- Easy to create and dispatch the measurement report



For more info contact your local Eurotec Sales Engineer or give us a call: 09 579 1990  
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## Refrigeration and controlled-atmosphere solutions for the agri-food industry

The agri-food industry relies heavily on advanced refrigeration and controlled-atmosphere solutions to maintain the quality, safety, and commercial value of products throughout the cold chain. Fresh produce, dairy, meat, and processed foods are highly sensitive to environmental conditions, making precise control of temperature, humidity, and gas concentrations essential for preserving freshness, flavour, texture, and shelf life.

Careful monitoring and continuous control of storage conditions help slow natural degradation, reduce food waste, and optimise ripening and curing processes. Advanced systems allow stable and uniform conditions to be maintained across cold rooms and refrigerated warehouses, while automated monitoring enables fast corrective actions to protect product quality and improve operational efficiency.

With extensive expertise in refrigeration management, programmable controls, sensors, and electrical panel solutions, CAREL provides flexible and customisable technologies designed to support efficient cold storage, ripening, and controlled-atmosphere applications. These integrated solutions help optimise system performance, reduce energy consumption, and ensure reliable product preservation across every stage of the process. Read [here](#) for details.

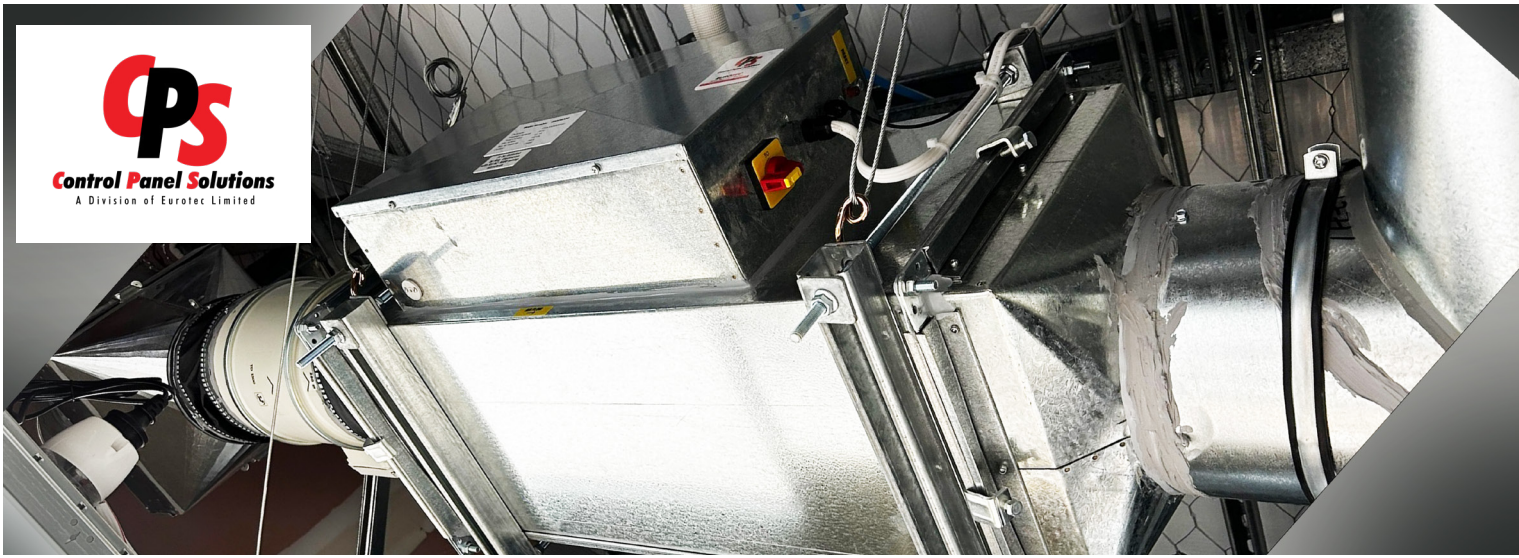


## CAREL Technology for DEMETRA Seed Storage

CAREL has partnered with Conela Refrigeração to develop the DEMETRA line, an innovative range of cooling units designed for climate-controlled seed storage.

By integrating advanced technologies such as BLDC compressors, Power+ inverters, electronic expansion valves, and the programmable c.pCO controller, the system ensures precise control of temperature, humidity, and air quality to preserve seed quality and germination capacity. Read full success story [here](#).

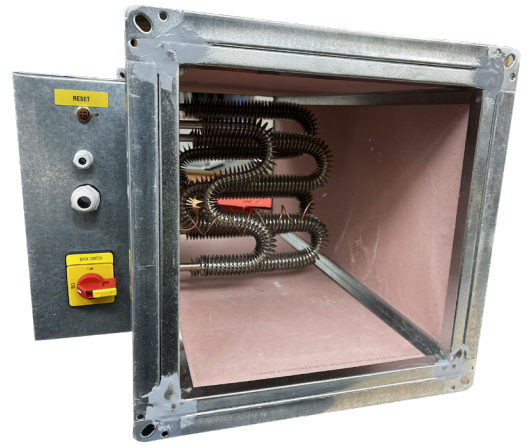
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## CPS Duct Heaters

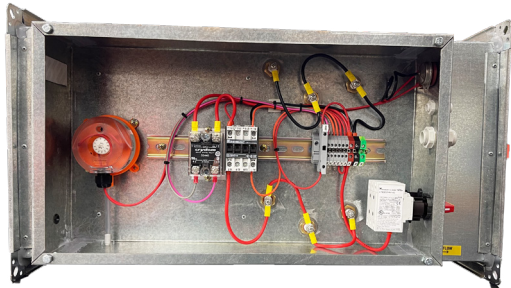
Control Panel Solutions (CPS), a division of Eurotec Ltd, has been building control panels for the HVAC&R and Industrial sectors since 2008. CPS integrates and value-adds to the extensive range of HVAC&R and Electrical control and monitoring Solutions sold by Eurotec to New Zealand industry for over 35 years. We manufacture duct heaters from galvanized steel, internally insulated with GIB Fyreduct

An inline electric duct heater is a device used to heat the air flowing through an HVAC system or ventilation ductwork. The heater is typically installed inside the ductwork and consists of a heating element, a fan or blower, and a control system.



When the HVAC system is turned on, the fan or blower pulls air from the surrounding area and directs it into the ductwork. As the air passes through the duct, it flows over the heating element, which uses electric resistance to generate heat. The control system regulates the temperature of the heating element to maintain the desired temperature of the air as it passes through the duct.

Our electric duct heater is fitted with Solid State Relays (SSR) and a Carel temperature controller. The Carel controller uses Pulse Width Modulation to switch the elements On and Off to maintain the set temperature range.



The Carel controller can be connected to a Building Management System (BMS). In these cases the BMS will send a 0-10V signal to the controller to control the heater functions.

Temperature rise, kW, and airflow are all important factors to consider in heating systems, and they are interrelated. Adjusting one of these factors will have an impact on the others, and it is important to understand these relationships to properly design and operate heating and cooling systems.

Heater comes standard with manual Reset O'temp thermostat, a differential pressure switch, a safety relay and in duct supply air temperature sensor. All units are operated through a Solid State Relay using PWM for accurate temperature control. The duct heaters comply with AS/NZS 3102:2002.



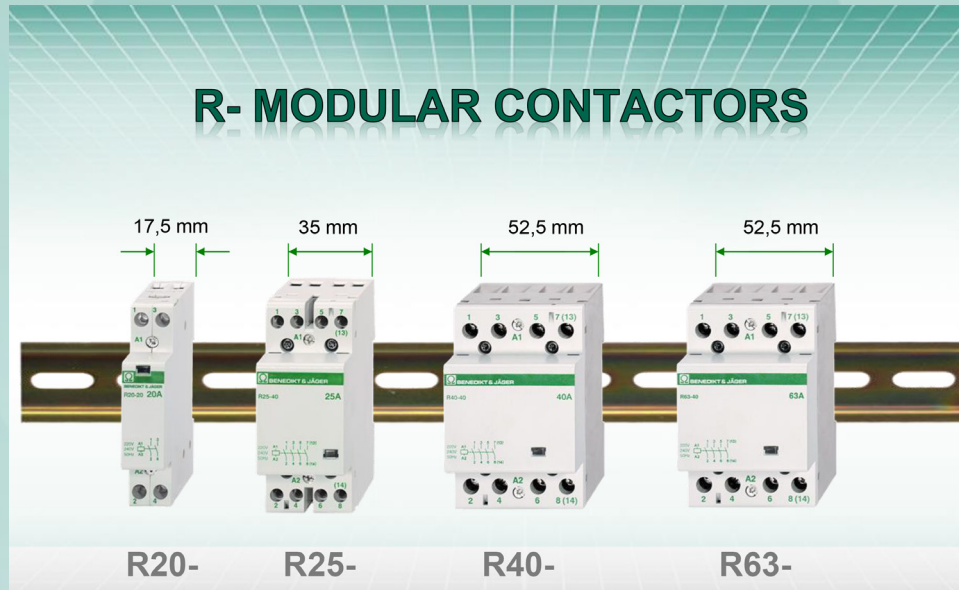
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- Relay-size contactor, smallest in the world.
- >3 mm contact clearance acc. to IEC 60335-1 for Safety Applications
- Reversing contactor with mechanical interlock.

Micro-Contactor K0      Mini-Contactor K1      Contactor K3

### ADVANTAGES BENEDICT-CONTACTORS

- Space saving size with maximum performance!
- Large cable cross sections
- Temperature range **-40°C ... +90°C** **without** derating of AC3 values!
- Climate resistant!
- Special OEM versions developable !
- Improved AC1- values!

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