



Deep-freezing tunnels ZS

For trolleys 400x600 mm or 600x800 mm

Deep-freezing tunnels ZS

A product designed for large volumes

Wishing to provide equipment adapted for all production volumes, Hengel offers you, from now, deep-freezing tunnels for trolleys. Our Research and Development team relied on our 30 years' experience in the deep-freezing field and on the latest technologies to develop a resistant, reliable and functional equipment, that fitting the highest standards of hygiene and security.

STURDINESS & EFFICIENCY, a partner in your daily life.



Easy access to the evaporator for maintenance and cleaning



New simple and friendly touch screen display



Conservation of taste qualities without drying the product



Insulated floor (thickness 100 mm) equipped with access ramp

DEEP FREEZING CAPACITY

30 or 50 kg / trolley / hour*

- **Stainless steel inside and outside** to increase the resistance
- **3,5" touch screen interface Bi-Tronic Control 3** at eye level
- Air blow system with double vertical flow for a better **temperature uniformity** inside the tunnel
- **Electronic expansion valve** to optimize the cooling system operation
- **Reversible door**
- **Temperature heart probe "Thermo Sensor"**. Stung in the heart of the product that will be cooled or frozen, the Thermo Sensor enables to stop automatically the cooling or deep-freezing process as soon as the set temperature is reached.
- **Easy cleaning** of the equipment
- Combined defrost system heating ventilated. Automatic and manual mode
- Insulated floor equipped with stainless steel access ramp
- **Polyurethane foam insulation** (CFC free, 43kg/m³) **with 100 mm thickness.**

OPTIONS

- Temperature report
- Silent condensing unit
- Tropicalised refrigeration unit
- Mixed condensing unit (air+water)
- Condensing unit with water condensation
- Connection to a central condensing unit system
- Monitoring system Bi-Tronic Secure

* Raw doughs entry. From +25 °C to -18 °C core temperature.

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The deep-freezing tunnel of Hengel is incredible. Beside being robust, it perfectly deep-freezes my products while facilitating the traceability. Indeed, the touch screen control board allows me an access to a useful and helpful historical data.

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Stainless steel lateral inside protection



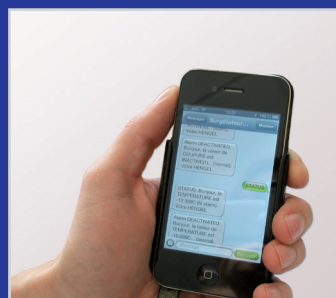
Vertical evaporator with fin spacing adapted to delay the formation of ice



Large handle with locking possibility + internal anti-panic handle



BI-TRONIC SECURE, the essential monitoring system



The monitoring system Bi-tronic Secure allows you to be permanently informed about your deep freezer tunnel operations, and warns you via SMS about any anomaly occurred in your equipment. Completely autonomous, this system is independent of the Bi-tronic Control 3 and works with a battery.

You are constantly informed about the temperature of your deep-freezer tunnel by simply sending an SMS to the Bi-tronic Secure that will transmit you the information.

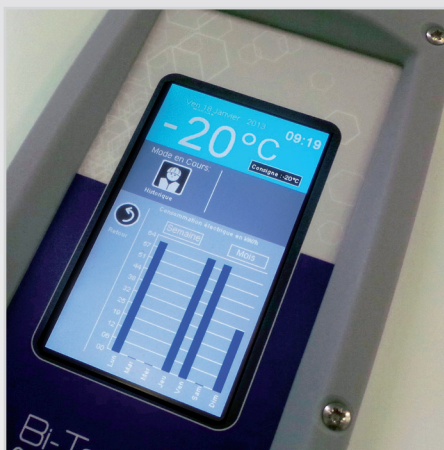
BI-TRONIC CONTROL 3, very intuitive, immediate grip

More ergonomic and with a **3.5"** color touch screen, the Bi-tronic Control 3 offers many features:



Touch screen technology

Direct access to the different work cycles, fully customizable to make your life easier



Access and back up your data:

Cycles, defaults, temperatures and consumption historical data.

These historical data help to ensure a compliance with the hygiene norms and to check the maintenance of the cold chain. It makes the diagnosis easier in order to have a more efficient service operation.



USB input

- Export the temperature and consumption historical data
- Import and export your parameters and programs
- Software update

We conducted the tests in a specialized laboratory to check that our electronics work perfectly, even in an environment with strong electromagnetic perturbations.

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A deep-freezing tunnel of Hengel represents productivity gains and is the assurance to deep-freeze your products respecting their taste qualities and original appearance.

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