

CRIO Chill Blast Chiller-Freezer 20GN1/1 100/85 kg - Remote

ITEM #

MODEL #

NAME #

SIS #

AIA #



729258 (ABFA21RE)

CRIO Chill blast chiller freezer
100/85kg, 20 GN 1/1 or
600x400mm with touch
screen control and remote
refrigerating unit (R452a)

Short Form Specification

Item No.

Blast chiller freezer with high resolution full touch screen interface, multilanguage

- For GN, 400x600 or Banqueting trolleys.
- Load capacity: chilling 100 kg; freezing 85 kg
- AirFlow air distribution system to achieve maximum performance
- Chilling/Freezing modes: Automatic (10 food families with 100+ different pre-installed variants); Programs (a maximum 1000 programs can be stored and organized in 16 different categories); Manual (soft chilling, hard chilling, freezing, holding, turbo cooling and lite hot cycles); Special Cycles (Cruise chilling, fast thawing, Sushi&Sashimi, Sous-Vide chilling, ice-cream)
- Special functions: MultiTimer chilling/freezing, Make-it-Mine to customize interface, Homepage to customize homepage, agenda Calendar
- Remaining time estimation for probe-driven cycles based on artificial intelligence techniques (ARTE 2.0)
- Automatic and manual defrosting and drying
- USB port to download HACCP data, programs and settings. Connectivity ready
- 3-point multi sensor core temperature probe
- Stainless steel construction throughout
- Internal rounded corners
- Remote refrigeration unit (optional accessory).
- R452a refrigerant gas
- Performance guaranteed at ambient temperatures of +43°C (Climatic class 5).

Main Features

- Holding at +3 °C for chilling or -22 °C for freezing, automatically activated at the end of each cycle, to save energy and maintain the target temperature (manual activation is also possible).
- Freezing cycle: 85 kg from 90°C up to -41°C.
- Blast Chilling cycle: 100 kg from +90°C up to + 3°C.
- X-Freeze cycle: ideal for blast freezing all kinds of food (raw, half or fully cooked).
- Lite-Hot cycle: ideal for soft heating preparations.
- Turbo cooling: chiller works continuously at the desired temperature; ideal for continuous production.
- Special Cycles:
 - Cruise Chilling automatically sets the parameters for the quickest and best chilling (it works by probe)
 - Fast Thawing
 - Sushi&Sashimi (anisakis-free food)
 - Sous-vide chilling
 - Ice Cream
- Automatic mode including 10 food families (meat, poultry, fish, sauces and soup, vegetables, pasta/rice, bread, savory and sweet bakery, dessert, beverage fast cooling) with 100+ different pre-installed variants. Through Automatic Sensing Phase the blast chiller optimizes the chilling process according to size, quantity and type of food loaded to achieve the selected result. Real time overview of the chilling parameters. Possibility to personalize and save up to 70 variants per family.
- Programs mode: a maximum of 1000 programs can be stored in the blast chiller's memory, to recreate the exact same high standard at any time. The programs can be grouped in 16 different categories to better organize the menu. 16-step chilling programs also available.
- AirFlow air distribution system to achieve maximum performance in chilling/heating evenness and temperature control thanks to a special design of the chamber combined with high precision variable speed fan.
- MultiTimer function to manage up to 20 different chilling cycles at the same time, improving flexibility and ensuring excellent results. Can be saved up to 200 MultiTimer programs.
- 3-point multi sensor core temperature probe for high precision and food safety.
- Tropicalized unit.
- Remaining time estimation for probe-driven cycles based on artificial intelligence techniques (ARTE 2.0 Patented US7971450B2 and related family) for an easier planning of the activities.
- Automatic and manual defrosting and drying.
- Performance guaranteed at ambient temperatures of +43°C (Climatic class 5).

Construction

- Remote refrigeration unit (optional accessory).
- Solenoid valve to automatically manage the gas pressure in the thermodynamic circuit.
- Main components in 304 AISI stainless steel.
- Evaporator with antirust protection.
- Motors and fan waterproof protected IP23.
- Hygienic internal chamber with all rounded corners for easy cleaning.

APPROVAL:

- Removable magnetic gasket door with hygienic design.
- Ventilator swinging hinged panel for access to the evaporator for cleaning.
- Door stopper to keep the door open in order to avoid the formation of bad smells (kit available to be mounted on site, depending on preferred door hinge).
- Automatic heated door frame.

User Interface & Data Management

- High resolution full touch screen interface (translated in more than 30 languages) - color-blind friendly panel.
- Pictures upload for full customization of cycles.
- Make-it-mine feature to allow full personalization or locking of the user interface.
- Homepage lets the user group the favorite functions in the homepage for immediate access.
- Calendar works as an agenda where the user can plan the daily work and receive personalized alerts for each task.
- USB port to download HACCP data, share chilling programs and configurations.
- Connectivity ready for real time access to connected appliances from remote and HACCP monitoring (requires optional accessory).
- Trainings and guidances supporting materials easily accessible by scanning QR-Code with any mobile device.
- Automatic consumption visualization at the end of the cycle.
- With Match function the Oven and the Blast Chiller are connected to each other and communicate in order to guide the user through the cook&chill process optimizing time and efficiency (requires optional accessory).

- | | | |
|---|------------|--------------------------|
| • IoT module for CRIO Chill blast chiller/freezers | PNC 922421 | <input type="checkbox"/> |
| • Connectivity router (WiFi and LAN) | PNC 922435 | <input type="checkbox"/> |
| • Match kit - to connect oven and blast chiller freezer for Cook&Chill process. The kit includes 2 boards and cables. Not for OnE Connected | PNC 922439 | <input type="checkbox"/> |
| • Trolley with tray rack, 16 GN 1/1, 84mm pitch | PNC 922683 | <input type="checkbox"/> |
| • Spit for lamb or suckling pig (up to 30kg) for 20 GN 1/1 ovens | PNC 922710 | <input type="checkbox"/> |
| • Probe holder for liquids | PNC 922714 | <input type="checkbox"/> |
| • Trolley with tray rack, 20 GN 1/1, 63mm pitch | PNC 922753 | <input type="checkbox"/> |

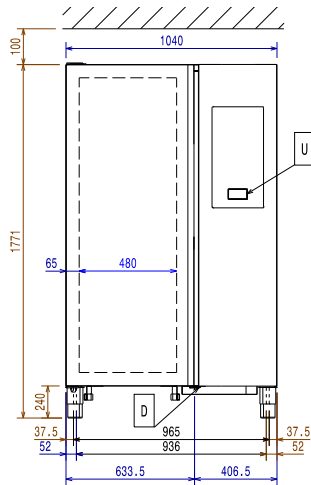
Included Accessories

- 1 of 3-sensor probe for blast chiller freezer PNC 880582

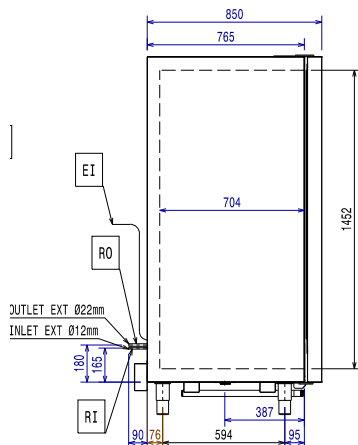
Optional Accessories

- | | | |
|--|------------|--------------------------|
| • Pastry grid (400x600mm) for 70kg blast chillers/blast chiller freezers | PNC 880294 | <input type="checkbox"/> |
| • Kit of 3 single sensor probes for blast chiller/freezers | PNC 880567 | <input type="checkbox"/> |
| • 3-sensor probe for blast chiller freezer | PNC 880582 | <input type="checkbox"/> |
| • Flanged feet for blast chiller freezer | PNC 880589 | <input type="checkbox"/> |
| • Air remote refrigerating unit for 100/70kg, 10 GN 2/1 blast chiller freezer (> 10 m) and 100/85kg, 20 GN 1/1 blast chiller freezer (≤ 10 m) - R452A | PNC 881223 | <input type="checkbox"/> |
| • Water remote refrigerating unit for 100/85kg, 20 GN 1/1 blast chiller freezer - R452A | PNC 881228 | <input type="checkbox"/> |
| • Air/water remote refrigerating unit for 100/85kg, 20 GN 1/1 blast chiller freezer - R452A | PNC 881230 | <input type="checkbox"/> |
| • Air remote refrigerating unit for 100/85kg, 20 GN 1/1 blast chiller freezer (> 10 m) and 150/120kg, 20 GN 2/1 blast chiller freezer (≤ 10 m) - R452A | PNC 881269 | <input type="checkbox"/> |
| • Pair of 1/1GN AISI 304 grids | PNC 922017 | <input type="checkbox"/> |
| • AISI 304 stainless steel grid, GN 1/1 | PNC 922062 | <input type="checkbox"/> |
| • Pastry grid in AISI 304 stainless steel, 400x600mm | PNC 922264 | <input type="checkbox"/> |
| • Connectivity hub (SIM) Router Ethernet + WiFi + 4G (UE) | PNC 922399 | <input type="checkbox"/> |
| • Connectivity hub (LAN) Router Ethernet + WiFi | PNC 922412 | <input type="checkbox"/> |

Front

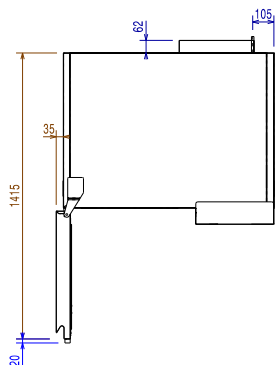


Side



D = Drain
EI = Electrical inlet (power)
RO = Refrigerant Outlet

Top



Electric

Circuit breaker required

Supply voltage: 380-415 V/3N ph/50/60 Hz

Electrical power, max: 3 kW

Heating power: 3 kW

Water:

Drain line size: 1/2"

Installation:

Clearance: 5 cm on sides and back.

Please see and follow detailed installation instructions provided with the unit

Capacity:

Max load capacity: 100 kg

Number and type of grids: 20 (GN 1/1; 600x400)

Number and type of basins: 20 (360x250x80h)

Key Information:

Door hinges: Left Side

External dimensions, Width: 1040 mm

External dimensions, Depth: 850 mm

External dimensions, Height: 1771 mm

Net weight: 285 kg

Shipping weight: 295 kg

Shipping volume: 2.52 m³

Refrigeration Data

Refrigeration power calculated at a distance of linear 20mt.

Suggested refrigeration power: 9480 W

Condition at evaporation temperature: -20 °C

Condition at condensation temperature: 40 °C

Condition at ambient temperature: 30 °C

Connection pipes (remote) - outlet: 22 mm

Connection pipes (remote) - inlet: 12 mm

Remote refrigeration unit required. Working temperature in the cavity of the blast chiller is down to -41°C.

Note: refrigeration power calculated at a distance of 20 linear mt.

***Note:**

Compatible refrigerant gas: R404A; R452A

ISO Certificates

ISO Standards: ISO 9001; ISO 14001; ISO 45001; ISO 50001