

SkyLine ChillS Blast Chiller-Freezer 20GN1/1 100/85 kg - Remote for CO2

ITEM #	
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725165 (EBFA21RECO)

Skyline ChillS Blast Chiller Freezer 100/85kg, 20 GN 1/1 or 600x400mm with touch screen control and remote refrigerating Unit, CO2 with valve

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
- OptiFlow 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); Specialistic Cycles (Cruise chilling, fast thawing, Sushi&Sashimi, Sous-Vide chilling, ice-cream)
- Special functions: MultiTimer chilling/freezing, Make-it-Mine to customize interface, SkyHub to customize homepage, agenda MyPlanner, SkyDuo connection to SkyLine ovens
- Remaining time estimation for probe-driven cycles based on artificial intelligence techniques (ARTE 2.0)
- Automatic and manual defrosting and drying
- $\ensuremath{\mathsf{USB}}$ 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).
- Specific for CO2 gas
- Performance guaranteed at ambient temperatures of +43°C (Climatic class 5).
- Compatible with Electrolux, Zanussi and Rational ovens.

Main Features

- Blast Chilling cycle: 100 kg from +90°C up to + 3°C.
- Freezing cycle: 85 kg from 90°C up to -41°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.
- 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).
- Turbo cooling: chiller works continuously at the desired temperature; ideal for continuous production.
- 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 preinstalled 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.
- Cycles+:
- Ćruise Chilling (Patented EP1716769B1 and related family) 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
- OptiFlow air distribution system to achieve maximum performance in chilling/heating eveness and temperature control thanks to a special design of the chamber.
- 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.
- 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.
- 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.







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- Hygienic internal chamber with all rounded corners for easy cleaning.
- 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.
- SkyHub lets the user group the favorite functions in the homepage for immediate access.
- MyPlanner works as an agenda where the user can plan the daily work and receive personalized alerts for each task.
- With SkyDuo 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).
- 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.

Sustainability

chiller/freezers

PNC 880582

• Human centered design with 4-star certification for ergonomics and usability.

Included Accessories

• 1 of 3-sensor probe for blast chiller

rreezer	
Optional Accessories	
 Bakery/pastry grid for blast chiller, lengthwise (600x400mm) 	PNC 880294
• Kit of 3 single sensor probes for blast	PNC 880567

	3-sensor probe for blast chiller freezer Flanged feet for blast chiller freezer	PNC 880582 PNC 880589	
•	Pair of AISI 304 stainless steel grids, GN 1/1	PNC 922017	
•	AISI 304 stainless steel grid, GN 1/1	PNC 922062	

• AISI 304 stainless steel bakery/pastry PNC 922264 grid 400x600mm

 Connectivity hub (SIM) Router Ethernet PNC 922399 + WiFi + 4G (UE) Connectivity hub (LAN) Router Ethernet PNC 922412

 IoT module for OnE Connected (Combi PNC 922421

Ovens, Blast chiller/freezers, Rack Type DW) and SkyDuo (one IoT board per appliance - to connect oven to blast chiller for Cook&Chill process).

PNC 922435 Connectivity router (WiFi and LAN)

 SkyDuo 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	
• Trolley with tray rack, 15 GN 1/1, 84mm pitch	PNC 922683	
 Spit for lamb or suckling pig (up to 30kg) for 20 GN 1/1 ovens 	PNC 922710	
 Probe holder for liquids 	PNC 922714	
• Trolley with tray rack, 20 GN 1/1, 63mm pitch	PNC 922753	
• Trolley with tray rack, 16 GN 1/1, 80mm pitch	PNC 922754	
 Banquet trolley with rack holding 54 plates for 20 GN 1/1 oven and blast chiller freezer, 74mm pitch 	PNC 922756	
 Bakery/pastry trolley with rack holding 600x400mm grids for 20 GN 1/1 oven and blast chiller freezer, 80mm pitch (16 runners) 	PNC 922761	
Banquet trolley with rack holding 45 plates for 20 GN 1/1 oven and blast	PNC 922763	

chiller freezer, 90mm pitch









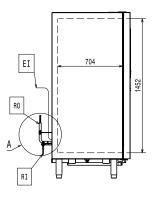
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Side

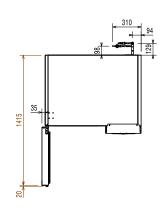
Top

Front



Electrical inlet (power)

Refrigerant Outlet RO



Electric

Circuit breaker required

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

Heating power: 3 kW

Water:

Drain line size: 1/2"

Installation:

Clearance: 5 cm on sides and back.

Capacity:

100 kg Max load capacity:

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 1741 mm External dimensions, Height: Net weight: 200 kg Shipping weight: 240 kg 2.41 m³ Shipping volume:

Refrigeration Data

Condenser cooling type:

Suggested refrigeration power: 9480 W

Condition at evaporation

-20 °C temperature:

Condition at condensation temperature:

40 °C

Condition at ambient

30 °C temperature:

Connection pipes (remote) outlet:

Connection pipes (remote) -

16 mm 9.5 mm

inlet:

R744

Compatible refrigerant gas:

Product Information (EN17032 - Commission Regulation EU 2015/1095)

Chilling Cycle Time (+65°C to +10°C):

120 min

Full load capacity (chilling):

100 kg

Freezing Cycle Time (+65°C to -18°C):

270 min

85 kg Full load capacity (freezing):

ISO Certificates

ISO 9001; ISO 14001; ISO

ISO Standards: 45001; ISO 50001









The company reserves the right to make modifications to the products without prior notice. All information correct at time of printing.