

ITEM #	
MODEL #	
PROJECT #	
QTY #	

**Model:** Y2-3

**Code:** 10501501-0-0-0

**Description:** GN Blast Chiller & Freezer

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The Y2 blast chillers & freezers performs a rapid and uniform cooling with soft or hard blast chill (10 kg) or freeze (6 kg). The pre-set recipes have operation modes suitable for different food types. The special cycles can be used for specific needs, such as fish sanitation and ice cream hardening.

Wi-fi connection with Dialog IoT web app: the Dialog platform can be used to access and save HACCP data, assist with managing the kitchen and ensure consistent food quality.

### Key features

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- 7" high resolution touch screen display, multilingual;
- Dialog IoT connection for remote monitoring;;
- Able to hold both 3 GN 1/1 pans;
- Blast chilling load capacity (+70°C ~ +3°C, 90 min): 10 kg;
- Blast freezing load capacity (+70°C ~ -18°C, 240 min): 6 kg;
- One needle probe with one reading point;
- Automatic and manual defrosting;
- Specific cycles for ice cream and fish sanitization;
- 500 mm height with levelling legs;
- User friendly touch screen with standard food product images with pre-set or custom settings;
- Compact dimension for flexible placement;
- Internal and external construction in AISI 304 stainless steel.

### General features

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- Built-in refrigeration unit;
- R455A refrigerant gas (HCFC and CFC free);
- Daily report and performance alarms for HACCP compliance;
- Acoustic alarm at the end of each working cycle;
- Visual alarms are activated, when temperature exceeds critical limits or key-components fail;
- All cycles automatically switch to holding mode at the end of the cycle;
- Smart auto-defrost, improves energy efficiency;
- Food-grade stainless steel inside and out;
- Pressed bottom and radius corners;
- Racks and slides in AISI 304 stainless steel;
- Water-blown polyurethane insulation 50 mm thick with zero ODP and zero GWP;
- Coated evaporator coil for protection against corrosion and increased durability.
- Self-closing door with automatic hold-open at 100°;
- Door with recessed handle;
- Easy to clean magnetic sealing gaskets, replaceable without tools;
- Tested to perform in hot professional kitchens (climate class 4, ambient temperature 30°C and 55% RH).

## Blast chiller & freezer functions

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- Blast chill and hard blast chill;
- Blast freeze and soft blast freeze;
- Blast chill/freeze continuous mode with multi-time/multi-probe;
- Blast chill/freeze manual mode with time/probe blast chill/freeze;
- Pre-cooling cycle;
- Special cycles: fish sanitation and ice cream hardening;
- Special functions: needle probe heating and manual defrost.

## Operation features

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- Blast chilling cycle max. capacity is 10 kg from +70°C up to +3°C in less than 90 min.;
  - Soft chill (for delicate food or small portions): air temperature 0°C;
  - Hard chill (for dense food products or big portions): air temperature -20°C on phase 1, and then 0°C on phase 2;
- Blast freezing cycle max. capacity is 6 kg from +70°C up to -18°C in less than 240 min.;
  - Soft freeze (for delicate food or small portions): air temperature 0°C on phase 1, and then -35°C on phase 2;
  - Hard freeze (for dense food products or big portions): air temperature -35°C;
- Holding/conservation mode: air temperature +2°C after blast chilling cycle, -20°C after blast freezing cycle;
- Pre-cooling cycle: air temperature +5°C (customisable);
- The manual mode allows to set a customised cycle in up to four phases that can also be saved in the *Cookbook*;
- The *Cookbook* menu includes 6 food families (red meat, white meat, seafood, puddings, lasagne and vegetables) with pre-set blast chiller and freezer recipes. It is possible to personalize each parameter;
- In the *My cookbook* menu it's possible to save up to 40 recipes using Western alphabet, without translation;
- The continuous mode allows to set multi-timer cycles (up to four) to help streamline operations;
- Records of temperature values, probes operability, outputs activations, inputs status, and any alarms, are kept during cycle progress;
- 24 h fish sanitation cycle (Anisakis): air temperature -35°C on phase 1, and then -20°C on phases 2 and 3;
- Ice cream hardening cycle: air temperature -35°C for 10 min. (customisable up to 400 min.);
- Automatic and manual defrost cycle. Special cycles menu has a dedicated defrost button to simplify use;
- Special cycle's menu has a dedicated needle probe heating button for immediate access.

## Dialog IoT features

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- Remote monitoring and control of food preservation conditions;
- Record of active and deactivated alerts;
- Reports for HACCP compliance;
- Outputs data for an effective kitchen management;
- Download and upload settings;
- Diagnostic: probes constantly control the working conditions.

## Construction features

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### Refrigeration:

- Refrigerant gas R455A;
- HCFC and CFC free;
- Expansion valve;
- Evaporator defrost by ventilation;

### Exterior:

- Built-in refrigeration unit;
- Full body in AISI 304 stainless steel construction
- Cushioned door with recessed handle and removable magnetic gasket;
- Self-closing door with automatic hold-open at 100°;
- Door opening up to 180°;
- Eco-friendly, high density polyurethane insulation, 50 mm thick;
- 7" touch screen control;
- 500 mm height with levelling legs;
- Compact dimension for flexible placement.

### Interior:

- AISI 304 stainless steel construction;
- Embedded door frame heater wire;
- Pressed bottom with drain and radius corners for a hygienic inner cell;
- Quick release racks and slides in AISI 304 stainless steel;
- Coated evaporator coil for protection against corrosion and increased durability;
- No waste water connections required.

## Available options

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Plug type G;

Plug type I;

Plug type J;

## Included accessories

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- One needle probe with one reading point.

## Optional accessories

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- GN 1/1-40 pan (code 242401030);

## Specifications & technical drawings

<b>Key data</b>	Y2-3
<b>External width</b>	670 mm
<b>External depth</b>	715 mm
<b>External height</b>	500 mm
<b>Door hinges</b>	Right side
<b>Shipping data</b>	
<b>Packed weight</b>	70 kg
<b>Shipping volume</b>	0,41 m <sup>3</sup>
<b>Gross weight</b>	55 kg
<b>Technical data</b>	
<b>Power supply</b>	220-240 V / 50 Hz
<b>Input power</b>	684 W / 3,9 A
<b>Plug type</b>	F (schuko)
<b>Cooling power</b> (Te -35 °C, Tc +45 °C)	277 W
<b>Defrost type</b>	Ventilation
<b>Refrigerant data</b>	
<b>Refrigerant fluid /GWP</b>	R455A / 146
<b>Refrigerant charge</b>	0,190 kg
<b>Capacity data</b>	
<b>Blast chill</b> (+70 °C to +3 °C, 90 min.)	10 kg
<b>Blast freeze</b> (+70 °C to -18 °C, 240 min.)	6 kg
<b>Efficiency data (EN 17032:2018)</b>	
<b>Blast chilling</b>	
(+65 °C to +10 °C, 88 min.)	10 kg
Energy consumption	0,09 kWh/kg
Program used	Hard
<b>Blast freeze</b>	
(+65 °C to -18 °C, 159 min.)	6 kg
Energy consumption	0,24 kWh/kg
Program used	Hard

