

# ALPENINOX

## Blast Chiller Freezers Crosswise Blast Chiller-Freezer Crosswise - 15 kg 5GN 1/1 (R452A)

ITEM #

MODEL #

NAME #

SIS #

AIA #



729540 (ACBCFA015SE)

CRIO Chill Tech blast chiller & freezer 15kg, compatible with 6x1/1GN convection oven - R452A

### Short Form Specification

#### Item No.

Blast chiller/freezer with digital temperature and time display. For 5 GN 1/1 or 600x400 mm trays (h = 65 mm). Load capacity: chilling 15 kg; freezing 5 kg. Automatic detection of food probe insertion. Automatic and Manual defrost. Blast chilling real remaining time estimation (A.R.T.E.). Turbo cooling function. Thawing function. HACCP and Service alarms with data logging. Connectivity ready. Operating air temperature: +10/-34°C. Single sensor food probe. Main components in 304 AISI stainless steel. Internal rounded corners and drain. Evaporator with antirust protection. Performances guaranteed at ambient temperature of +40°C. Cyclopentane insulation (HCFC, CFC and HFC free). R452a refrigerant gas (HCFC and CFC free). Built-in refrigeration unit.

### Main Features

- Blast Chilling cycle: 15 kg from 90°C up to 3°C.
- Holding at +3 °C for chilling or -20 °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: 5 kg from 90°C up to -34°C.
- Chilling cycle with automatic preset cycles:
  - Soft Chilling, ideal for delicate food and small portions.
  - Hard Chilling, ideal for solid food and whole pieces.
- Turbo cooling: chiller works continuously at the desired temperature; ideal for continuous production.
- Thawing cycle, ideal for defrosting food in a controlled and safe environment.
- Possibility to modify the cavity temperature in turbo cooling and thawing cycles.
- Remaining time estimation for probe-driven cycles based on artificial intelligence techniques (ARTE) for an easier planning of the activities.
- Single sensor core probe as standard.
- On-board HACCP monitoring capable.
- Performance guaranteed at ambient temperatures of +40°C (Climatic class 5).
- Automatic and manual defrosting.
- Tropicalized unit.
- Multi-purpose internal structure suitable for gastronomy, bakery trays or ice-cream basins.

### Construction

- IP21 protection index.
- No water connections required.
- Ventilator swinging hinged panel for access to the evaporator for cleaning.
- Waste water can be plumbed into drain, but can also be collected in an optional waste container.
- Built-in refrigeration unit.
- Main components in 304 AISI stainless steel.
- Evaporator with antirust protection.
- Automatic heated door frame.
- Door reversible on site.
- 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).

### User Interface & Data Management

- Control unit provides two large displays to read out: time, core temperature, cycle countdown, alarms, service information.
- Connectivity ready for real time access to connected appliances from remote and HACCP monitoring (requires optional accessory).

### Sustainability

- High density polyurethane insulation, 60 mm thickness, HCFC free.

APPROVAL:

Part of



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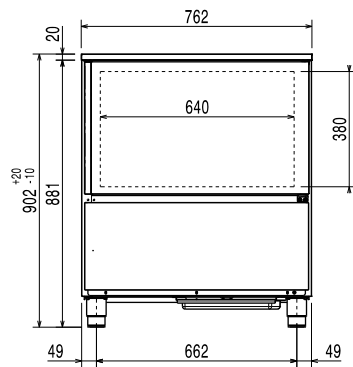
**Included Accessories**

- 1 of 1 single-sensor probe for blast chiller/ PNC 880213  
freezers

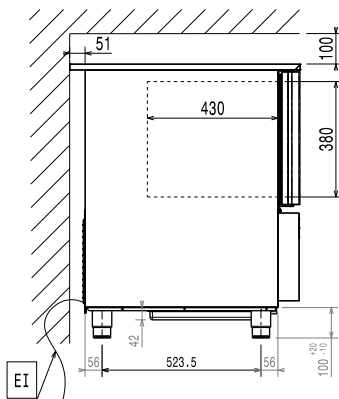
**Optional Accessories**

- 1 single-sensor probe for blast chiller/ PNC 880213 ☐  
freezers
- Kit 4 feet for blast chiller/freezers crosswise PNC 881295 ☐  
15-25 kg - h100mm
- Kit 4 wheels for blast chiller/freezers PNC 881296 ☐  
crosswise 15-25 kg - h100mm
- Pair of 1/1GN AISI 304 grids PNC 921101 ☐
- Pair of 1/1GN AISI 304 grids PNC 922017 ☐
- AISI 304 stainless steel grid, GN 1/1 PNC 922062 ☐
- Pastry grid in AISI 304 stainless steel, PNC 922264 ☐  
400x600mm
- IoT module for CRIO Chill Tech blast chiller/ PNC 922419 ☐  
freezers
- POE switch PNC 922432 ☐

### Front

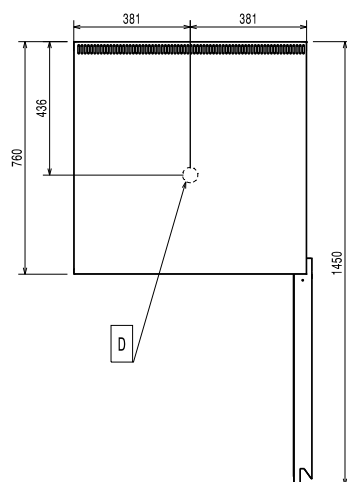


### Side



EI = Electrical inlet (power)

### Top



### Electric

Circuit breaker required

Supply voltage: 220-240 V/1 ph/50 Hz

Electrical power max.: 1.1 kW

### Installation:

Clearance: 5 cm on sides and back.

Please see and follow detailed installation instructions provided with the unit

### Capacity:

GN: 5 - 1/1 containers

Number and type of grids: 5 (GN 1/1; 600x400)

Number and type of basins: 4 (360x250x80h)

### Key Information:

External dimensions, Width: 762 mm

External dimensions, Depth: 760 mm

External dimensions, Height: 902 mm

Net weight: 85 kg

Shipping weight: 97 kg

Shipping volume: 0.72 m<sup>3</sup>

### Refrigeration Data

Refrigeration power at evaporation temperature: -20 °C

Condenser cooling type: AIR

### Product Information (EN17032 – Commission Regulation EU 2015/1095)

Chilling Cycle Time (+65°C to +10°C): 107 min

Full load capacity (chilling): 15 kg

Freezing Cycle Time (+65°C to -18°C): 246 min

Full load capacity (freezing): 5 kg

Test performed in a test room at 30°C to chill/ freeze (+10°C/-18° C) a full load of 40mm deep trays filled with mashed potatoes evenly distributed up to a height of 35 mm at starting temperature between 65° and 80°C within 120/270min.

### Sustainability

Refrigerant type: R452A

GWP Index: 2141

Refrigeration power: 1203 W

Refrigerant weight: 460 g

Energy consumption, cycle (chilling): 0.1024 kWh/kg

Energy consumption, cycle (freezing): 0.5753 kWh/kg