

# ALPENINOX

## CRIO Chill Power Blast Chiller-Freezer 20 2/1 - 180kg - Remote with USB

ITEM # \_\_\_\_\_

MODEL # \_\_\_\_\_

NAME # \_\_\_\_\_

SIS # \_\_\_\_\_

AIA # \_\_\_\_\_



728900 (EABCR180)

Blast chiller/freezer for 20x2/1 GN ovens, 180kg, (R404A), roll-in, remote with USB

728897 (EABCRD180)

Blast chiller/freezer for 20xGN 2/1 ovens, 180kg, (R404A), roll-in, (disassembled) with USB

### Short Form Specification

#### Item No. \_\_\_\_\_

For 20 GN2/1 or 600x800 mm trays. Load capacity: chilling 180 kg; freezing 170 kg (UK guidelines). Compatible with Zanussi, Alpeninox and Rational SCC Lengthwise ovens. Main components in 304 AISI stainless steel. Internal rounded corners and drain. Remote refrigeration unit. Cruise cycle for fully automatic blast chilling with food probe. Automatic detection of food probe insertion. Automatic and Manual defrost. Blast chilling real residual time estimation (A.R.T.E.). Turbo cooling function. Specific cycles for ice cream. Evaporator with antirust protection. Digital temperature and time display. HACCP and Service alarms with data logging. Operating air temperature: +90 -41°C. For ambient temperatures up to +43°C. Cyclopentane insulation (HCFC, CFC and HFC free). R404a refrigerant gas (HCFC and CFC free).

### Main Features

- Blast Chilling cycle: 180 kg from +90°C up to + 3°C in less than 90 minutes.
- Blast Freezing cycle: 170 kg from 90°C up to -18 °C in less than four hours.
- Soft Chilling (air temperature -2°C).
- Hard Chilling (air temperature -20°C).
- Holding at +3 °C for chilling or -36 °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.
- Two customizable cycles (P1 & P2) for each operating mode, allowing to set the time and air temperature. These programs can be converted into ice-cream specialized cycles (shape maintenance and holding).
- Cruise cycle: the chiller automatically sets the parameters for the quickest and best chilling (it works by probe).
- High density polyurethane insulation, 85 mm thickness, HCFC free.
- Control unit provides several operating settings (programmable parameters): time/core temperature according to NF and UK regulations, time/air temperature/probe personalized according to national regulations, sterilizing cycle: UV lamps built-in (on request), 3 single sensor or 3-sensor temperature probes (as accessory), ideal for meats, automatic defrosting and manual defrosting.
- 3-sensor core probe as standard.
- Remaining time estimation for probe-driven cycles based on artificial intelligence techniques (ARTE) for an easier planning of the activities.
- Control unit provides two large displays to read out: time, core temperature, cycle countdown, alarms, service information.
- Audible alarm starts when the cycle ends or terminates abnormally.
- All information related to the different operating models are recorded: date, time, cycle, core temperature, holding temperature, HACCP accordance.
- Chilling and freezing times can vary according to food quantity, density, moisture contents and type of containers. Chilling capacity according to NF regulations is 144 kg.
- Shock freezing (air temperature -35°C.)
- USB connection: to download HACCP data from the blast chiller (time, cavity temperature, alarms, and probe temperature).
- Performance guaranteed at ambient temperatures of +43°C.

### Construction

- Main components in 304 AISI stainless steel.
- Developed and produced in ISO 9001 and ISO 14001 certified factory.
- Evaporator with antirust protection.
- Motors and fan waterproof protected IP23.
- PC connection on request, gate RS 485.
- Inner cell with fully rounded corners.
- Environmentally friendly: R404a as refrigerant fluid.
- Removable magnetic gasket door with hygienic design.

APPROVAL: \_\_\_\_\_

- Ventilator swinging hinged panel for access to the evaporator for cleaning.
- Automatic heated door frame.
- Thermostatic expansion valve to optimize the cooling unit efficiency.
- Solenoid valve included.
- Waste water can be plumbed into drain, but can also be collected in an optional waste container.
- Requires remote refrigeration connection.
- 304 AISI stainless steel construction throughout.
- All motors and fan are IP21 waterproof protected.
- Waste can be plumbed into drain, but can also be collected in optional waste container.

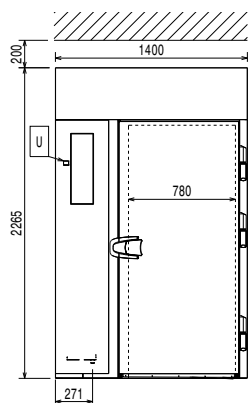
### Included Accessories

- 1 of 3 sensor probes for blast chiller and blast chillers/freezers PNC 880212

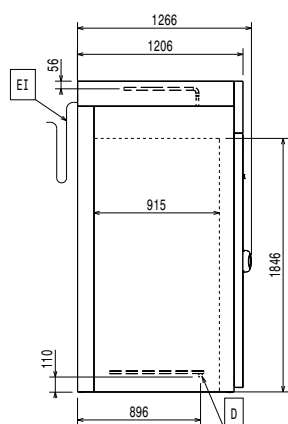
### Optional Accessories

- Trolley for 2/1GN roll-in rack PNC 880017
- Base for roll-in-rack PNC 880018
- Kit of HACCP advanced connection for blast chiller and blast chillers/freezers PNC 880183
- 3 sensor probes for blast chiller and blast chillers/freezers PNC 880212
- 1 single sensor probe for blast chiller and blast chillers&freezer PNC 880213
- 2 single sensor probes for blast chiller-freezer PNC 880214
- 3 single sensor probes for blast chiller-freezer PNC 880215
- Kit buzzer for blast chiller/freezer lengthwise with USB PNC 881143
- Air remote refrigerating unit for 20x2/1GN blast chiller freezer - R404A (only for 728900) PNC 881159
- Water remote refrigerating unit for 20x1/1GN blast chiller freezer - R404A PNC 881172
- 2/1GN roll-in rack PNC 881449
- Trolley with tray rack 20x2/1GN, 63mm pitch (included) PNC 922044
- Trolley with tray rack, 16x2/1GN, 80mm pitch PNC 922046
- Banquet trolley with rack holding 92 plates for 20x2/1GN oven and blast chiller freezer, 85mm pitch PNC 922055
- Pastry trolley with 16 (400x600) levels for 20x2/1GN ovens and bcf, 80mm pitch PNC 922069
- Trolley for 20x2/1GN roll-in rack PNC 922134
- Base for 20x2/1GN roll-in rack PNC 922142
- Kit HACCP EKIS PNC 922166
- 60mm pitch roll-in rack for 20x2/1GN PNC 922204
- 80mm pitch roll-in rack for 14x2/1GN PNC 922206

**Front**

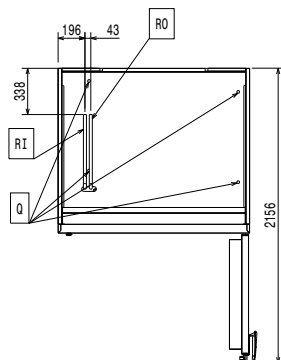


**Side**



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

**Top**



### Electric

**Supply voltage:**

728900 (EABCR180)	380-415 V/3N ph/50/60 Hz
728897 (EABCRD180)	380-415 V/3N ph/50/60 Hz

**Electrical power max.:** 2.25 kW

**Circuit breaker required**

### Installation:

**Clearance:** 5 cm on sides and back.

Please see and follow detailed installation instructions provided with the unit

### Capacity:

<b>GN:</b>	40 - 1/1 containers
<b>GN:</b>	20 - 2/1 containers
<b>Max load capacity:</b>	180 kg

### Key Information:

<b>External dimensions, Width:</b>	1400 mm
<b>External dimensions, Height:</b>	2265 mm
<b>External dimensions, Depth:</b>	1206 mm
<b>Net weight:</b>	438 kg

**Shipping weight:**

728900 (EABCR180)	468 kg
728897 (EABCRD180)	445 kg

**Shipping volume:**

728900 (EABCR180)	4.93 m <sup>3</sup>
728897 (EABCRD180)	3.93 m <sup>3</sup>

**Chilling-Freezing Productivity per cycle (NF Regulations):**

144 kg - 144 kg

**Chilling-Freezing Productivity per cycle (UK Guidelines):**

180 kg - 170 kg

### Refrigeration Data

<b>Control type:</b>	Electronic
<b>Refrigerant type:</b>	R404A
<b>Suggested refrigeration power:</b>	20200 W
<b>Condition at evaporation temperature:</b>	-10 °C
<b>Condition at condensation temperature:</b>	45 °C
<b>Condition at ambient temperature:</b>	32 °C
<b>Connection pipes (remote) - outlet:</b>	22 mm
<b>Connection pipes (remote) - inlet:</b>	12 mm

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