# SUPERARTIC 400 ECT-F PLUS

Cod. SUA0403

## General features

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|---|---|
| **Temperature range** | Adjustable -40°C / -20°C |
| **Factory setpoint | Increment** | -35°C | 0.1°C |
| **Ambient working class| Climatic class** | From +16°C to +25°C | C |
| **Nominal capacity** | 400 lt (14,1 cu ft) |
| **Gross capacity | Net capacity** | 384 lt (13,56 cu ft) | 360 lt (12,72 cu ft) |
| **External dimensions (W x D x H)** | 67 x 81 x 194 cm |
| **Internal dimensions (W x D x H)** | 51 x 61 x 125,5 cm |
| **Net weight without any internal fittings** | 132 kg |
| **Package dimensions | Weight** | Cardboard on pallet 71 x 87 x 212 cm | weight 145 kg |
| | Wooden crate on pallet 78 x 91 x 212 cm | weight 157 kg |
| **Structure** | Monocoque type, made of plasticized, non-toxic white steel exterior, coated with a special antibacterial-type film, and inner 18/10 Aisi 304 stainless steel. Rounded corners and tray-type inner bottom. |
| **Insulation type** | High-density (43 kg/m3), in-walls injected PUF, without any CFC, water-foam based. |
| **Insulation thickness** | 80 mm |
| **Feet** | No.4 unidirectional rollers + No.2 stabilizing feet |
| **Door** | No.1 solid door with ergonomic handle all door length, self-closing thanks to the spring hinge and 90°stop position. |
| **Internal fittings** | Customizable and height adjustable, it can mix independently:<br>• wire shelves supported by adjustable clips (dim.cm 47x60)<br>• extractible drawers made of aluminium, with dividers (WxDxH): cm 12x55x7,5 (nr 3 compartments)<br>• extractible drawers made of aluminium, without dividers (WxDxH): cm 39x55x7,5 |
| **Suggested internal fittings** | No. 4 wire shelves |

**Disclaimer:**

Images are purely indicative. The features and the accessories of the products may differ according to model and application.

## Refrigeration system

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| **Refrigeration** | Professional, ventilated, forced, hermetic compressor type |
| **Defrost** | Automatic, adaptive, including condensate water vaporisation |
| **Refrigerant** | Natural R290 |
| **GWP | ODP** | 3 | 0 |

# Electronic controller

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|---|---|
| **Controller** | ECT-F PLUS controller |
| **Type of controller** | Electronic controller, back-lit alphanumeric LCD display and resolution 0,1°C |
| **Power switch** | Integrated in user's interface |
| **Security features** | Settable user password |
| **Alarm system** | Visual and acoustic for temperature alarms and failures such as:<br>• Open door<br>• High temperature<br>• High temperature caused by power failure.<br>• Low temperature<br>• Power failure (alarm back up up to 48h)<br>• Clogged condenser<br>• Faulty batteries<br>• Any functional failure/faulty parts |
| **Data and event recordings** | Last 12 events available on the display |
| **Settable temperature alarm limits** | Yes, through parameter adjustment |
| **Control sensors** | NTC type probes |
| **Connection for remote alarm signalisation** | Ready on the board, remote on request |
| **Temperature recording** | Log of minimum and maximum temperature reached, manual reset |
| **Data export** | Not available |

# Electrical and functional data

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| **Standard power supply** | 230V / 1ph / 50Hz |
| **Standard plug type** | Schuko type "G" |
| **Compressor protection** | Overload Protector included |
| **Power absorption/current** | kW 2 (Amp 8,3) |
| **Inrush current** | Amp 3 |
| **Noise level** | <55 dBA |
| **Heat emission according to EN 12900** | W 315 |
| **Hold over time at 20°C ambient (air)** | 5,5 h (da -40°C a 0°C) |
| **Energy consumption at 20°C ambient** | 7,5 kWh/24h |

# Conformity

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| **Directives and regulations** | Directive 2006/42/EC (Machine directive)<br>Directive 2011/65/EC (ROHS II)<br>Directive 2015/863/ EC (ROHS III)<br>Directive 2012/19/EC (RAEE)<br>Directive 2014/30/EC (EMC)<br>Directive 2014/35/EC (LVD)<br>Regulation (EU) 517-2014 (F-gas)<br>Regulation (EU) 1907-2006_REACH |
| **Available certificate** | CE |
| **Application environment** | Non-flammable, non-explosive, non-corrosive, with adequate air exchange |

# Accessories available on request

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| **Lock with key** | |
| **External dry contact** | |
| **DIN 13277 conformity** | Includes: key lock, buffer batteries for power failure alarm and external terminal board with dry contact |
| **Temperature chart recorder** | |
| **Additional wire shelf kit** | |
| **Extractible drawer on slides** | |
| **Extractible drawer without inner dividers on slides** | |
| **Rack 140x500x150H mm (max 3 per each shelf)** | |
| **Plexiglas front panel for extractible drawer** | |
| **Castors kit with brakes** | |
| **35 mm access port with stopper** | |
| **Port hole mm 15** | |
| **PT100 sensor with free contacts** | |
| **Mains voltage stabilizer** | |
| **Non-standard plug and cable** | |
| **Power 220V/60Hz** | |
| **Power 115V/60Hz** | |
| **Wooden crate package** | |