

Product technical data sheet

SUPERARTIC 400 ECT-F TOUCH

Cod. SUA0402

Medical Device EMDN V0899

General features



Intended use	Refrigerator destined to store and preserve vaccines, pharmaceutical products, bacterial cultures, samples, analysis materials, chemical products, and other laboratory formulas, to support therapy and/or prevention in clinical centers, hospitals, pharmacies, and laboratories.
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 (WxDxH)	67x81x194 cm
Internal dimensions (WxDxH)	51x61x125,5 cm
Net weight without any internal fittings	132 kg
Package dimensions Weight	Cardboard on pallet 71x87x212 cm weight 145 kg
	Wooden crate on pallet 78x91x212 cm weight 157 kg
	Monocogue type, made of plasticized, non-toxic white steel exterior,



Door

Energy saving functions

Internal fittings

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

Package dimensions Weight	Cardboard on pallet 71x87x212 cm weight 145 kg
	Wooden crate on pallet 78x91x212 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

Customizable and height adjustable, it can mix independently:

wire shelves supported by adjustable clips (dim.cm 47x60)

No.1 solid door with ergonomic handle all door length, self-closing

extractible drawers made of aluminium, with dividers (WxDxH):
 cm 12x55x7,5 (nr 3 compartments)
 extractible drawers made of aluminium, without dividers

thanks to the spring hinge and 90°stop position.

(WxDxH): cm 39x55x7,5 No. 4 wire shelves

Night & Day function

Suggested internal fittings No.

Refrigeration system

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

Electronic controller



Controller TOUCH controller

Electronic controller, FULL TOUCH SCREEN 7" display, resolution 0,1°C, Type of controller

easily readable from the distance, with a real time temperature graph

and all operational data always available on the homepage.

Power switch Integrated in user's interface

Security features Settable user password

Visual and acoustic for temperature alarms failures such as:

Open door

High temperature

Alarm system Low temperature

Power failure, signaled when power is back.

Clogged condenser

Any functional failure/faulty parts

Latest 32 events displayed, 10 years data recorded on SD card and 1 Data and event recording

year on flash memory, downloadable from USB port

Settable temperature limits alarms

NTC type probes for controller board + PTI00 for DMLP monitor board **Control sensors**

(optional)

Included, to prevent freezing and overheating Safety thermostat

Connectivity for remote alarms

transmission

Set-up on the electronic controller board, can be remoted on request.

Modbus TCP/IP protocol available for data reading

Temperature recording Full recording of temperatures and alarms data

USB, SD and RJ45. Data export

Electrical and functional data

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

Compliancy

The offered unit complies with Regulation (EU) 2017/745 and

subsequent modifications and integrations, Risk Class I (All. VIII, Cap. III, Reg. 2).

The equipment is also fully compliant with the specific requirements

of the norms:

Directive 2006/42/EC (Machines Directive),

Directive 2014/30/EU (EMC), **Directives and regulations**

Directive 2014/35/EU (LVD), Regulation (EU) 2024/573 (F-gas), Directive 2012/19/EU (RAEE)

Regulation (EC) n.1907/2006 (REACH)

Directive 2011/65/UE (ROHS II) including subsequent modifications and

Available certificate

Non-flammable, non-explosive, non-corrosive, with adequate air **Application environment**

exchange

Accessories available on request

	Accessories available on request
Visual and acoustic alarm for power failure	No.8 rechargeable batteries, AA, Ni-MH type, environmental friendly and easily replaceable, to feed power failure alarm
External contacts (Ethernet+ potential free) terminal board	
Electric-digital lock with password protection	Digital lock, the door is opened by touching an icon on the display. The function may be password protected. Mechanical release key supplied for emergency opening.
GSM module (including buffer batteries)	Plug-in module to notify on mobile phones, via sms, overall monitoring, alarms and failures of the refrigerator
Converter module type 4-20mA (including contacts terminal board)	External contacts included (this accessory excludes the installation of the GSM module)
Wi-Fi module	Plug-in module to connect to, monitor and manage the refrigerator wirelessly
Compliance kit to DIN 13277	Includes the electric digital lock, buffer batteries for power failure alarm signal and the external terminal board with potential free contact
DMLP TOUCH Digital Monitor	Visual, acoustic alarm and fully independent recording system, with accuracy 0,1 °C thanks to the PTI00 probes used for temperature detection. DMLP will take over alarming function when installed as integrated module on the Ect-f Touch controller board. The module is fed by standard rechargeable batteries (power failure alarm batteries included) to register temperatures and events even in case of power outage. Data download and their management are made possible by CAPTURE software, supplied on board on the SD card, through which tables and graphs are created
PT100 product temperature simulation probe	
FIOCCHETTI COLD EYES cloud monitoring	Annual monitoring service, Cloud based, featuring the notification of alarms and failures from pc thanks to a dedicated app, including SMS messages and emails, also allowing the full download of recorded data.
FIOCCHETTI LAN SUPERVISOR	Monitoring system allowing the supervision of one or several refrigerators thanks to the access to historical data and to present equipment status. It allows the creation and export of temperature graphs of selected periods or of specific hours. A single license enables the connection of up to 100 refrigerators installed in the same building and connected to the same net (e.g., a hospital).
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	
PTI00 sensor with free contacts	
Mains voltage stabilizer	
Non-standard plug and cable	
Power 220V/60Hz	
Power 115V/60Hz	
Wooden crate package	
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