

#### Product technical data sheet

## **EMOTECA 170 TOUCH**

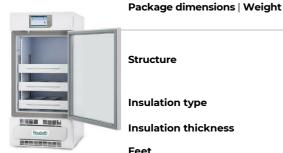
Cod. DME0172 **Medical Device EMDN Z121701** 

### **General features**



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Intended use	Refrigerator intended to store blood, fluids or body tissues for transfusion, administration or introduction into the body.
Temperature range	Adjustable +2°C / +6°C
Factory setpoint   Increment	+4°C   0.1°C
Ambient working class   Climatic class	From +16°C to +32°C   N-ST
Nominal capacity	170 lt (6 cu ft)
Gross capacity   Net capacity	179 lt (6,3 cu ft)   179 lt (6,3 cu ft)
Blood bags capacity (450 ml)	90 (with 3 drawers)

	Cardboard on pallet 65x72x145 cm   weight 100,7 kg
Net weight without any internal fittings	76 kg
Internal dimensions (WxDxH)	50x48,5x73 cm
External dimensions (WxDxH)	60x66x128,5 cm



Monocoque type body, made of plasticized, non-toxic white stee interior/exterior, coated with a special antibacterial-type film, or in inner 18/10 Aisi 304 stainless steel. Rounded corners and tray-type inner bottom.

Wooden crate on pallet 72x77x145 cm | weight 109,7 kg

Digital lock, the door is opened by touching an icon on the display. The

High density (43 kg/m3) in-walls injected PUF, without any CFC, Insulation type environmental-friendly, water-foam based. 70 mm rear / 50 mm sides

Feet No. 4 unidirectional rollers + No. 2 stabilizing feet

No. 1 door made of tempered glass, triple thickness, self-closing thanks

Door to the spring hinge and 90° stop position.



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.
Lightning	Full LED, all length of inner chamber, automatic switching on at door

opening or from the display when the door is closed.

Night & Day function **Energy saving functions** 

No. 3 fully extractible drawers made of aluminium, with dividers **Provided drawers** 

(WxDxH): cm 11,8x40x7,5 (nr 3 compartments)

# **Refrigeration system**

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

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

Clogged condenser

Any functional failure/faulty parts

Visual, acoustic alarm and fully independent recording system, with accuracy 0,1 °C thanks to the PT100 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.

Full recording of 10 years data (temperature and alarms), even in case Temperature, data and event recording

of power failure, on SD card and 1 year on flash memory, with download  $\,$ 

from USB port. Latest 32 events displayed on the screen.

Settable temperature limits alarms

NTC type probes for controller board + PT100 for DMLP monitor board Control sensors

PT100 product temperature simulation probe

Safety thermostat Included, to prevent freezing and overheating

Connectivity for remote alarms

**DMLP TOUCH Digital Monitor** 

External contacts (Ethernet+ potential free) terminal board transmission Modbus TCP/IP protocol available for data reading

Data export USB, SD and RJ45.

#### **Electrical and functional data**

Standard power supply 230V / 1ph / 50Hz Schuko type "G" Standard plug type

**Compressor protection** Overload Protector included

Power absorption/current kW 0,17 (Amp 1)

Inrush current Amp 3

Noise level <45 dBA

Heat emission according to EN 12900 W 20

Hold over time at 20°C ambient (air) 2,7 h (from +5C to +15°C)

Energy consumption at 20°C ambient 0.5 kWh/24h

Compliancy

Directive 93/42/EEC and following and subsequent modifications and integrations, Class II annex IX, with conformity to the transitional

provisions to Regulation (EU) (EU) 2017/745 and (EU) 2023/607

DIN 13277 Conformity

Directive 2011/65/EC (ROHS II) **Directives and regulations** 

Directive 2015/863/ EC (ROHS III) Directive 2012/19/EC (RAEE) Regulation (EU) 517-2014 (F-gas) Regulation (EU) 1907-2006\_REACH

Available certificate MDD CE

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

exchange

# Accessories available on request

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GSM module	Plug-in module to notify on mobile phones, via sms, overall monitoring, alarms and failures of the refrigerator
Converter module type 4-20mA	(this accessory excludes the installation of the GSM module)
Wi-Fi module	Plug-in module to connect to, monitor and manage the refrigerator wirelessly
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).
Solid type door	
Plexiglas front panel for extractible drawer	
Castors kit with brakes	
Internal Socket (no.1)	
35 mm access port with stopper	
Port hole mm 15	
Humidity sensor	
PT100 sensor with free contacts	
Mains voltage stabilizer	
Non-standard plug and cable	
Power 220V/60Hz	
Power 115V/60Hz	
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