

## EMOTECA 140 ECT-F TOUCH



Blood bags capacity (450 m)       63         External Dimensions (W x D x H)       cm 52 x 63,5 x 100         Internal Dimensions (W x D x H)       smittized pre-coated steel with bacteriostatic activity, while colour infout (rus-corrosion-proof material), or stainless steel 18/10 AB 204 inside and sanitized pre-coated steel white colour- outside; insulation polyurethane thickness 40 mm         Door       Nr 1 glass door with triple glass panels         Electric Digital Key Lock       The door is opened by means of a gentle pressure on the key icon in the homepage and can be password protected. Mechanical key supplied in the event of failure.         Rollers       Castors with brakes         Light       Led type with adjustable brightness         Interchangeable system that allows to mix:       are strategline on the scopic sides (dir cm. 59 + 40);         Controller       ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR       ECT-F TOUCH + DMLP TOUCH DIGITAL monitorie with TF 21 mouth screen disalay easily readable from the distance, with a read in graphed of wissal darm system for tomperature devalations: a darm system for tomperature scopication with screen disalay cass); readable from the bistarce of the start corrent one mounted on telescopic sides (dir cm. 59 + 40); contaction and wissal darm system for tomperature action with screen disalay easily readable from the distance, with a case laid grapher screen disalay easily readable from the distance, with a read bin graphed of the start 10 wards are a darm start and adarm start and adarm start and adarm start and adarm sthe darm start and adarm start and adarm stare d	Temperature Range	+4 °C
Blood bags capacity (450 ml)       63         External Dimensions (W x D x H)       cm 52 x 63,5 x 100         Internal Dimensions (W x D x H)       cm 52 x 63,5 x 100         Structure and Insulation       sanitized pre-coated steel with bacteriostatic activity, white colour injout (rust- corrosin-proof material), or stainless steel 18,10 AE 304 inside and sanitized pre-coated steel white colour- outside; insulation polyurethane thickness 40 mm         Door       Nr 1 glass door with triple glass panels         Electric Digital Key Lock       The door is opened by means of a gentle pressure on the key known in the homepage, and can be password protected. Mechanical key supplied in the event of failure.         Rollers       Castors with brakes         Light       Led type with adjustable brightness         Interchangeable system that allows to mix:       - open wire shelves supported by plastic clips, adjustable in heigi (dm.cm.30 × 40);         extractible aluminum dravers mounted on telescopic sides (dir cm.10 × 45 × 7,5 for 3 compartments)       Controller         ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR       ECT-F TOUCH CONTROLLER + independent system DMLP DIGITAL MONITOR TOUCH is controling with a read in graph of tompeage. and alwars and alarm system for temperature deviations, system for them page.         Controller       ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         ECT-F TOUCH controlLER + independent system DMLP DIGITAL MONITOR         Bood with frontal asection with T	Capacity	128 lt (4,53 cu ft)
External Dimensions (W × D × H)       cm 52 × 63,5 × 100         Internal Dimensions (W × D × H) cm 44 × 51,6 × 56; Weight kg         Structure and Insulation       is antitized pre-coated steel with bacteriostatic activity, white colour in/out (rust- corrosion-proof material), or stainless steel 18/10 AE 304 inside and sanitized pre-coated steel white colour- outside; insulation polyurethane thickness 40 mm         Door       Nr 1 glass door with triple glass panels         Electric Digital Key Lock       The door is opened by means of a gentle pressure on the key isso in the kompagae, and can be password protected. Mechanical key supplied in the event of faiure.         Rollers       Castors with brakes         Light       Led type with adjustable brightness         Interchangeable system that allows to mix:       • apen wire shews supported by plastic clips, adjustable in heigh (dim, m. 30 + 45 × 7,5 for 3 compartments)         Controller       ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         ECT-F TOUCH + ONLP TOUCH DIGITAL MONITOR       ECT-F TOUCH - ControlLET Advance and advanse and of the selectopic sides for the allow and allorm system, public adjust adjust adjust aread in graphic of temperature second allows avise side from the head adjust readdel functions advanse side from the distance, which a east in graphic of temperature second allows and allorm.         Controller       ECT-F TOUCH + CONTROLLER + Independent gene parts which for the adjust adjust		Gross capacity 153 lt (5,40 cu ft)
Internal Dimensions (W x D x H) cm 44 x 51, 6 x 56; Weight kg         Structure and Insulation       Sanitized pre-coated steel with bacteriostatic activity, white colourin/out (in/out (ust-corrosin-proof material), or stainless steel in 18/10 AE 304 inside and sanitized pre-coated steel white colour- outside; insulation polyurethane thickness 40 mm         Door       Nr 1 glass door with triple glass panels         Electric Digital Key Lock       The door is opened by means of a gentle pressure on the key in the home page, and can be password protected. Mechanical key supplied in the event of failure.         Rollers       Castors with brakes         Light       Led type with adjustable brightness         Internal equipment       nr.3 extractible aluminum drawers mounted on telescopic sildes (lin cm. 50 × 7,5 for 3 compartments)         Controller       ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR       ECT-F TOUCH A gains and alarm system with balars and alarm system, with balars plants of a gene parts alarm stage in readiable in the distance, with a read to graph cere disply assilt readiable functions and starm system. With Distr P 7 touch a screen disply assilt readiable functions and alarm system. MLP DIGITAL MONITOR         Controller       ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         ECT-F TOUCH A displant and a larm system of the distance, with a read to graph celescopic side of functions and alarm system. MLP 7 touch is conditions of the start of the distance, with a read to graph celescopic side of the manages and of other selected functions and alarm system. Mult Distr P 7 touch asplit r	Blood bags capacity (450 ml)	63
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Electric Digital Key Lock       The door is opened by means of a gentle pressure on the key icon in the homepage, and can be password protected. Mechanical key supplied in the event of failure.         Rollers       Castors with brakes         Light       Led type with adjustable brightness         Internal equipment       nr.3 extractible aluminum drawers mounted on telescopic slides         Internal equipment       nr.3 extractible aluminum drawers mounted on telescopic slides (dir cm.50 × 40);         extractible aluminum drawers mounted on telescopic slides (dir cm.10 × 45 x 7,5 for 3 compartments)         Controller       ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         BIGTAL MONITOR TOUCH: excording and alarms and alarm system, with battery back-up.New controller with FT 7" touch screen display easily readolifer mont the distance, with a rail alarm system for temperature deviations, open door, power failure, condenser, and faulty conditions.         Safety thermostat against theoring and of other selected functions always visible from the home page.         I Temperature recording of the last 10 years         Acoustic and visual alar system for temperature deviations, open door, power failure, condenser, and faulty conditions.         Safety thermostat against tha allows to download data directly from the front panel.         Alard to a mode is system (DMLP function).         EXPrect remotal discectin drawnings, etc.	Structure and Insulation	
The door is opened by means of a gentle pressure on the key loon in the homepage, and can be password protected. Mechanical key supplied in the event of failure.         Rollers       Castors with brakes         Light       Led type with adjustable brightness         Internal equipment       nr.3 extractible aluminum drawers mounted on telescopic slides Interchangeable system that allows to mix: <ul> <li>open wire shelves supported by plastic clips, adjustable in heigi (dim.cm.50 × 40);</li> <li>extractible aluminum drawers mounted on telescopic slides (dir cm.10 × 45 × 75 for 3 compartments)</li> </ul> Controller       ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR       ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         DIGITAL MONITOR TOUCH: recording and alarms and alarm system, with battery back-up.New controller with TFT 7" touch screen display easily readolifer om the distance, with a read- ing graphic of temperatures and of other selected functions always visible from the home page.         • Temperature recording of the last 10 years       • Acoustic and visual alarm system for temperature deviations, open door, power failure, condenser, and faulty conditons.         • SD card with frontal access: it can store 10 years date recording and relevant documents system (MLP TOUCH STOUCH), with an eccording system (MLP DMLP TOUCH TOUCH), with an eccording system (MLP DMLP TOUCH TOUCH), with an eccording system (MLP DMLP TOUCH TOUCH), with an eccording system (MLP DMLP TOUCH), with an eccording system (MLP DMLP TOUCH or failure, readime and it is fed by standard rechargeable batteries to record temperature advection. The MLP theor	Door	Nr 1 glass door with triple glass panels
Light       Led type with adjustable brightness         Internal equipment       nr.3 extractible aluminum drawers mounted on telescopic slides         Interchangeable system that allows to mix:       open wire shelves supported by plastic clips, adjustable in heigh (dim.cm.50 x 40);         extractible aluminum drawers mounted on telescopic slides (dim.cm.50 x 40);       extractible aluminum drawers mounted on telescopic slides (dim.cm.50 x 7,5 for 3 compartments)         Controller       ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR       ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         State and the base of the distance, with a real tim graphic of temperature recording of the last 10 years       Acoustic and visual alarm system for temperature deviations, open door, power failure, condenser, and faulty conditions.         Sole and with finatal access: it can store 10 years and alere diviations, open door, power failure, condenser, and faulty conditions.       Safety thermostat against freezing and overheating.         So Card with finatal access: it can store 10 years and and most common operations.       USB port that allows to download data directly from the front panel.         Villimedia section with Tutorial access: it.       Password for the turning on and off of the machine, to protect from unauthorized users.         Nory contact for remote connection.       R5465 and R44 port for LAW/Ethernet.         Password for the turning on and off of the machine, to protect from unauthorized users to the PTIOUH, with an accuracy of 0.1°C thanks to the PTIOUH.	Electric Digital Key Lock	icon in the homepage, and can be password protected.
Internal equipment       nr.3 extractible aluminum drawers mounted on telescopic slides         Interchangeable system that allows to mix:       • open wire shelves supported by plastic clips, adjustable in heig, (dim. cn. 50 x 40);         • extractible aluminum drawers mounted on telescopic slides (dim. cm. 10 x 45 x 7,5 for 3 compartments)         Controller       ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         So and visual alarm system for temperature deviations, screen display easily readable from the distance, with a real tin graphic of temperatures and of other selected functions always visible from the nome page.         • Temperature recording of the last 10 years         • Accustic and visual alarm system for temperature deviations, open door, power failure, condenser, and faulty conditions.         • Safety thermostat against freezing and overheating.         • D Card with frontal access: it can store 10 years data recording and relevant documents such as manuals, list of spare parts, videos regarding installation and most common operations.         • USB port that allows to download data directly from the front panel.	Rollers	Castors with brakes
Interchangeable system that allows to mix:         • open wire shelves supported by plastic clips, adjustable in heigi, (dim.cm. 50 × 40);         • extractible aluminum drawers mounted on telescopic slides (dim.cm. 10 × 45 × 7,5 for 3 compartments)         Controller       ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         ECT-F TOUCH + DMLP TOUCH DIGITAL MONITOR         ECT-F TOUCH + MONITOR TOUCH: recording and alarms and alarm system, with battery back-up. New controller with TFT 7" touch screen diplay easily readable from the distance, with a real tin graphic of temperatures and of other selected functions always visible from the home page.         • Temperature recording of the last 10 years         • Acoustic and visual alarm system for temperature deviations, open door, power failure, condenser, and faulty conditions.         • Safety thermostat against freezing and overheating.         • SD card with frontal access: it can store 10 years data recording and relevant documents such as manuals, lot spare parts, videos regarding installation and most commo partons.         • USB port that allows to download data directly from the front panel.         • Multimedia section with Tutorial area for instruction movies, service manuals, electrical drawnings, etc.         • Dry contact for remote connection.         • RS485 and RJ45 port for LAN/Ethernet.         • Password for the turning on and of of the machine, to protect from nauthorized users.         • Integrated Web Server. Independent visual/reqoused for tempera	Light	Led type with adjustable brightness
<ul> <li>ECT-F TOUCH CONTROLLER + independent system DMLP DIGITAL MONITOR TOUCH: recording and alarms and alarm system, with battery back-up.New controller with TFT 7" touch screen display easily readable from the distance, with a real tin graphic of temperatures and of other selected functions always visible from the home page.</li> <li>Temperature recording of the last 10 years</li> <li>Acoustic and visual alarm system for temperature deviations, open door, power failure, condenser, and faulty conditions.</li> <li>Safety thermostat against freezing and overheating.</li> <li>SD card with frontal access: it can store 10 years data recordin, and relevant documents such as manuals, list of spare parts, videos regarding installation and most common operations.</li> <li>USB port that allows to download data directly from the front panel.</li> <li>Multimedia section with Tutorial area for instruction movies, service manuals, electrical drawnings, etc.</li> <li>Dry contact for remote connection.</li> <li>R5485 and R145 port for LAW/Ethernet.</li> <li>Password for the turning on and off of the machine, to protect from unauthorized users.</li> <li>Integrated Web Server. Independent visual/acoustic alarm and recording system (DMLP DIGITAL MONITOR TOUCH), with an accuracy of 0.1°C thanks to the PT100 probe used for temperature detection. The DMLP manages alarms functions at it is fed by standard rechargeable batteries to record temperature sand events in case of power failure (n.8 Nihm rechargeable batteries tyne AA of 1.2 Volt, easily replaceable). The data download data for software CAPTURE supplied into the SD CARD: thanks to this software, it is possib to produce graphics and tabs of recorded data.</li> </ul>	Internal equipment	Interchangeable system that allows to mix: • open wire shelves supported by plastic clips, adjustable in heigh (dim.cm.50 × 40); • extractible aluminum drawers mounted on telescopic slides (dim
faults, with automatic recording even in case the electricity is off	Controller	<ul> <li>ECT-F TOUCH CONTROLLER + independent system DMLP DIGITAL MONITOR TOUCH: recording and alarms and alarm system, with battery back-up.New controller with TFT 7" touch screen display easily readable from the distance, with a real tim- graphic of temperatures and of other selected functions always visible from the home page.</li> <li>Temperature recording of the last 10 years</li> <li>Acoustic and visual alarm system for temperature deviations, open door, power failure, condenser, and faulty conditions.</li> <li>Safety thermostat against freezing and overheating.</li> <li>SD card with frontal access: it can store 10 years data recording and relevant documents such as manuals, list of spare parts, videos regarding installation and most common operations.</li> <li>USB port that allows to download data directly from the front panel.</li> <li>Multimedia section with Tutorial area for instruction movies, service manuals, electrical drawnings, etc.</li> <li>Dry contact for remote connection.</li> <li>R5485 and R145 port for LAN/Ethernet.</li> <li>Password for the turning on and off of the machine, to protect from unauthorized users.</li> <li>Integrated Web Server. Independent visual/acoustic alarm and recording system (DMLP DIGITAL MONITOR TOUCH), with an accuracy of 0.1°C thanks to the PTI00 probe used for temperature detection. The DMLP manages alarms functions an it is fed by standard rechargeable batteries to record temperatures and events in case of power failure (m.8 Nihm rechargeable batteries type AA of 1.2 Volt, easily replaceable). The data downloading is managed by the software CAPTURE supplied into the SD CARD: thanks to this software, it is possible</li> </ul>
Safety Thermostat	Alarms	Acoustic and Visual for temperature deviations, power failure and faults, with automatic recording even in case the electricity is off
······································	Safety Thermostat	

## Data and Event recording

F	Fiocchetti.it
Temperature Graph	A customizable real time graphic always visible from the home page.
Connectivity	USB-SD-SIM port with frontal access ; external board for Dry Contact and Serial ports RS485 and RJ45
Refrigeration Type	Forced-air, ventilated
Defrost	Automatic with automatic evaporation of the condensate water
Probe for product simulation	
Technical data	
Technical Data	<ul> <li>Refrigerant gas type: R134A CFC free</li> <li>Mains Voltage 230V/1/50Hz</li> <li>Power consumption 24H: 1,7 kW/24H</li> <li>Instant power consumption: 0,11 kW (0,9 A)</li> <li>Noise level &lt; 42,3 dBA</li> <li>Ambient Temperature: +16/+32 °C; humidity 60%</li> <li>Connector: Schuko</li> </ul>
In accordance with	93/42/CE - class IIa regulation, and following modifications
Package	<ul> <li>Strong Cardboard on wooden pallet</li> <li><i>Dim. cm.55x69x123; Kg.67</i></li> <li>Wooden crate on wooden pallet available: dim.cm.60x79x126; Kg.87</li> </ul>
note	DIN 58371 conformity

note

## Accessories

Blind Door
Extractible Aluminum Drawer with partitions
Plexiglas front for drawers
White coated sheet shelf
Cable port mm 35 with cap
Cable port mm 15
Humidity Sensor
PT100 probe (free contacts)
Voltage stabilizer
4-20mA converter module
• external terminal board included (this accessory excludes the Gsm module)
60 Hz Frequency

115 V Wooden crate Package

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