# Fiochetti

#### **Product technical data sheet**

## **TER 140 ECT-F TOUCH**

Cod. TER0142







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

GWP | ODP

	General features	
Temperature range	Adjustable +15°C / +30°C	
Factory setpoint   Increment	+22°C   0.1°C	
Ambient working class   Climatic class	From +16°C to +38°C   N-ST	
Nominal capacity	140 lt (4,94 cu ft)	
Gross capacity   Net capacity	153 lt (5,40 cu ft)   128 lt (4,52 cu ft)	
External dimensions (WxDxH)	52x63,5x93,5 cm	
Internal dimensions (WxDxH)	44x51,6x56 cm	
Net weight without any internal fittings	51 kg	
Package dimensions   Weight	Cardboard on pallet 55x69x113 cm   weight 59,5 kg	
	Wooden crate on pallet 60x77x124 cm   weight 70,5 kg	
Structure	Monocoque type body, made of plasticized, non-toxic white steel 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.	
Insulation type	High density (43 kg/m³) in-walls injected PUF, without any CFC, water-foam based.	
Insulation thickness	40 mm	
Feet	No.4 adjustable small feet	
Door	No.1 solid door with ergonomic handle, self-closing thanks to the spring hinge and 90°stop position.	
Lightning	Full LED, all length of inner chamber, automatic switching on at door opening.	
Energy saving functions	Night & Day function	
Internal fittings	<ul> <li>Customizable and height adjustable, it can mix independently:</li> <li>wire shelves supported by adjustable clips (dim.cm.49x40)</li> <li>fully extractible drawers made of aluminium, with dividers (WxDxH): cm 10x45x7,5 (nr 3 compartments)</li> <li>fully extractible drawers made of aluminium, without dividers (WxDxH): cm 33x45x7,5</li> </ul>	
Suggested internal fittings	No. 2 wire shelves	
	<b>Refrigeration system</b>	
Refrigeration	Professional, ventilated, forced, hermetic compressor type	
Defrost	Automatic, adaptive, including condensate water vaporization	
Refrigerant	Natural R290	

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### Electronic controller



Data export

Controller	TOUCH controller	
Type of controller	Electronic controller, FULL TOUCH SCREEN 7" display, resolution 0,1°C, 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	
Alarm system Data and event recording	<ul> <li>Visual and acoustic for temperature alarms failures such as:</li> <li>Open door</li> <li>High temperature</li> <li>Low temperature</li> <li>Power failure, signaled when power is back.</li> <li>Clogged condenser</li> <li>Any functional failure/faulty parts</li> <li>Latest 32 events displayed, 10 years data recorded on SD card and 1 year on flash memory, downloadable from USB port</li> </ul>	
Settable temperature limits alarms	Yes	
Control sensors	NTC type probes for controller board + PTI00 for DMLP monitor board (optional)	
Safety thermostat	Included, to prevent freezing and overheating	
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	

#### **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 0,14 (Amp 0,9)	
Inrush current	Amp 2,5	
Noise level	<40 dBA	
Heat emission according to EN 12900	W 20	
Energy consumption at 20°C ambient	0,5 kWh/24h	

USB, SD and RJ45.



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

#### Accessories available on request

Visual and accustic alarm for power failure     No.5 rechargeable batteries, AA, Ni-MH type, environmental intendity and easily rolocable, to food power failure alarm       External contacts (Ethernet+ potential free) terminal board     Digital lock, the door is opened by touching an icon on the display. The function may be possword protected. Mechanical release key supplied for emergency opening.       Effective-digital lock with password protection     Digital lock, the door is opened by touching an icon on the display. The function may be possword protected. Mechanical release key supplied for emergency opening.       GSM module (including buffer batteries)     Plug-in module to notify on mobile phones, we are, overall mentoting, altering and database and supplication of the GSM module (to including contacts terminal board)       Wi-Fi module     Plug-in module to connect to, monitor and manage the refrigerator       Wi-Fi module     Plug-in module to connect to, monitor and manage the refrigerator       DMLP TOUCH Digital Monitor     Plug-in module to connect to, monitor and manage the refrigerator       Plug-in module to connect to, monitor and manage the refrigerator     Convert and alterna of tallures and manage the refrigerator       Plug-D TOUCH Digital Monitor     Plug-in module to connect to, monitor and manage the refrigerator       Plug-D TOUCH Digital Monitor     Annual monitoring service, Cloud based, featuring the notification of alterna and failures items power lature alterna to the secone to based on the SD card, through which data.       Plug-D Forbus D Plug-D P	Glass door		
Electric-digital lock with password protection         Digital lock, the door is opened by tooching an item on the digday. The function may be password protected. Mechanical release key supplied for emergency opening.           CSM module (including buffer batteries)         Pluga in module to motify on mobile phones, via same, overall monitoring, alarms and failures of the refigerator down of the CSM module.           Converter module type 4-20mA (including contacts terminal back)         Extensil contacts included (this accessor) excludes the installation of the CSM module.           Wi-Fi module         Pluga in module to connect to, monitor and manage the refigerator wirelessly.           Wi-Fi module         Visual, accusic alarm and fully independent recording system, with accuracy OI *C thanks to the PTOO probuse load for temperature of the visual accusic alarm and fully independent recording system, with accuracy OI *C thanks to the DTOO probuse failure alarm batteria included (by the visual accusic alarm and fully independent recording system, with accuracy OI *C thanks to the DTOO probuse failure alarm batteria included for their manage the refigerator module back is and graphs are created           DMLP TOUCH Digital Monitor         Annual monitoring service, Cloud based, faituring the notification of alarms and failures from per thanks to a dedicated app. including MD received data.           FIOCCHETTI COLD EVES cloud monitoring         Annual monitoring service, Cloud based, faituring the notification of alarms and failures from per thanks to a dedicated app. including MD refigures on telescopic sildes           FIOCCHETTI COLD EVES cloud monitoring         Monintoring service, Cloud based, faituring the notification of alarm	Visual and acoustic alarm for power failure		
Electric-digital lock with password protection         function may be password protected. Mechanical release key supplied for emergency opening.           GSM module (including buffer batteries)         Plug-in module to noble phones, via sma, overall monitoring, alarms and fallues of the refrigerator wite sets?           Wi-FI module         Plug-in module to notify on mobile phones, via sma, overall monitoring, alarms and fallues of the refrigerator wireless?           DMLP TOUCH Digital Monitor         Plug-in module to connect to, monitor and manage the refrigerator wireless?           DMLP TOUCH Digital Monitor         Visual acoustic alarm and fully independent recording system, with accuracy 01 C thanks to the interportune e and possible by caparity in module to connect to, monitor and manage the refrigerator wireless?           PILOP TOUCH Digital Monitor         Visual acoustic alarm and fully independent recording system, with accuracy 01 C thanks to the interport remover even in case of power inciparted module on the Ect fouch controller board. The module is fold by standard rechargeable batteries (power failue)           PIDOP product temperature simulation probe         Annual monitoring service, Cloud based, featuring the notification of alarms and failures from pertures to a decicated app, including SMS masses and emails, also allowing the full downled or present equipment status. It allows that or cares to historical data and to present equipment status. It allows that or cares to historical data and to present equipment status. It allows that reserts to historical data and to present equipment status. It allows the relation and export of temperature graphs of selected periods or of specific hours. A single license enables the connection of up to 100 refige	External contacts (Ethernet+ potential free) terminal board		
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beard         the GSM module)           Wi-Fi module         Plug-in module to connect to, monitor and manage the refrigerator wirelessly.           Wi-Fi module         Visual, acoustic alarm and fully independent recording system, with accuracy 0.1°C thanks to the PTI00 probes used for temperature accuracy 0.1°C thanks to the PTI00 probes used for temperature accuracy 0.1°C thanks to the PTI00 probes used for temperature accuracy 0.1°C thanks to the PTI00 probes used for temperature accuracy 0.1°C thanks to the PTI00 probes used for temperature accuracy 0.1°C thanks to the PTI00 probes used for temperature accuracy 0.1°C thanks to the PTI00 probes used for temperature accuracy 0.1°C thanks to the PTI00 probes used for temperature accuracy 0.1°C thanks to the PTI00 probes used for temperature accuracy 0.1°C thanks to the PTI00 product temperature simulation probe           PTI00 product temperature simulation probe         Annual monitoring service, Cloud based, featuring the notification of alarms and failures form pc thanks to a dedicated app, including SMS message and emails, asia allowing the full downlead of precenting accuracy 0.0°C there are not posson of one or several refrigerators thanks to the access to thatical at and to present equipment status. I allow the creation and export of temperature accuracy 0.0°C there are not posson of one or several refrigerators thanks to the same building and connected to the same net (e.g., a hospital).           Additional wire shelf kit         Extractible drawer on telescopic sildes           Extractible drawer on telescopic sildes         Castors kit with brakes           Internal Socket (no.1)         Sam access port with stopper           Dintolem IIS         Finternal Socket (no.1)	GSM module (including buffer batteries)		
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FIOCCHETTI COLD EYES cloud monitoring       alarms and failures from pc thanks to a decicated app, including SMS messages and emails, also allowing the full download of recorded data.         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 telescopic slides         Extractible drawer without inner dividers on telescopic slides       Internal Socket (no.1)         One-way small castors       Internal Socket (no.1)         St mm access port with stopper       Port hole mm 15         Humidity sensor       Internal Socket (no.1)         P100 sensor with free contacts       Mains voltage stabilizer         Non-standard plug and cable       Power 220V/60Hz         Power 220V/60Hz       Enternal Socket (no.1)	PT100 product temperature simulation probe		
FIOCCHETTI LAN SUPERVISOR       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 telescopic slides         Extractible drawer on telescopic slides       Plexiglas front panel for extractible drawer         One-way small castors       Castors kit with brakes         Internal Socket (no.1)       35 mm access port with stopper         Port hole mm 15       Humidity sensor         PI100 sensor with free contacts       Mains voltage stabilizer         Non-standard plug and cable       Power 220V/60Hz	FIOCCHETTI COLD EYES cloud monitoring	alarms and failures from pc thanks to a dedicated app, including SMS messages and emails, also allowing the full download of recorded data.	
Extractible drawer on telescopic slides         Extractible drawer without inner dividers on telescopic slides         Plexiglas front panel for extractible drawer         One-way small castors         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 115V/60Hz	FIOCCHETTI LAN SUPERVISOR	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	
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Plexiglas front panel for extractible drawer         One-way small castors         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 115V/60Hz	Extractible drawer on telescopic slides		
One-way small castors         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 115V/60Hz	Extractible drawer without inner dividers on telescopic slides		
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Mains voltage stabilizer         Non-standard plug and cable         Power 220V/60Hz         Power 115V/60Hz	Humidity sensor		
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Power 220V/60Hz Power 115V/60Hz	Mains voltage stabilizer		
Power 115V/60Hz	Non-standard plug and cable		
	Power 220V/60Hz		
Wooden crate package	Power 115V/60Hz		
	Wooden crate package		