CROMATOGRAPHY 1500 ECT-F PLUS

Cod. CRM1503

General features

Temperature range	Adjustable +2°C / +15 °C
Factory setpoint | **Increment**	+5°C | 0.1°C
Ambient working class | **Climatic class**	From +16°C to +38°C | N-ST
Nominal capacity	1500 lt (52,97 cu ft)
Gross capacity | **Net capacity**	1355 lt (47,87 cu ft) | 1355 lt (47,87 cu ft)
External dimensions (WxDx H)	144x83x207 cm
Internal dimensions (WxDxH)	130x67x150 cm
Net weight without any internal fittings	245 kg
Package dimensions | **Weight**	Cardboard on pallet 148 x 86 x 214 cm | weight 270 kg
	Wooden crate on pallet 156 x 91 x 214 | weight 285 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, environmental-friendly, water-foam based.
Insulation thickness	70 mm
Feet	No.4 adjustable feet
Door	No.2 door made of tempered glass, triple thickness, 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 or from the display when the door is closed.
Internal fittings	No. 1 reinforced stainless steel sliding plate. Weight load 100 Kg No. 3 perforated ss plates on slides No. 2 inner sockets No. 1 cable port with cap, mm. 35

Refrigeration system

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

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

Electronic controller

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: • Open door • High temperature • High temperature caused by power failure. • Low temperature • Power failure (alarm back up up to 48h) • Clogged condenser • Faulty batteries • 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

Standard power supply	230V / 1ph / 50Hz
Standard plug type	Schuko type "G"
Compressor protection	Overload Protector included
Power absorption/current	kW 0,4 (Amp 1,8)
Inrush current	Amp 6
Noise level	<55 dBA
Heat emission according to EN 12900	W 125
Hold over time at 20°C ambient (air)	3,3 h (from +5°C to +15°C)
Energy consumption at 20°C ambient	2,5 kWh/24h

Conformity

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

Lock with key	
External dry contact	
Anty-freeze safety	
DIN 13277 conformity (includes anty-freeze safety)	Includes: anti-freezer safety, key lock, buffer batteries for power failure alarm and external terminal board with dry contact
Temperature chart recorder	
Solid type door	
Additional wire shelf kit	
St. steel wire shelf kit	
Perforated stainless steel shelf	
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	
Wooden crate package	