

General features



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

Temperature range	Chamber A adjustable between +2°C / +15°C Chamber B adjustable between -10°C / -25°C
Factory setpoint Increment	+5°C 0.1°C chamber A -20°C 0.1°C chamber B
Ambient working class Climatic class	From +16°C to +32°C N
Nominal capacity	From +16°C a +32°C N
Gross capacity Net capacity	250 + 250 lt (8,82 + 8,82 cu ft)
External dimensions (WxDxH)	243 + 243 lt (8,58 + 8,58 cu ft) 249 + 230 lt (8,80 + 8,13 cu ft)
Internal dimensions (WxDxH)	72x74,5x208 cm
Net weight without any internal fittings	60x58,8x70 / 60x58,8x74 cm
Package dimensions Weight	Cardboard on pallet 65x72x219 cm weight 135 kg Wooden crate on pallet 72x77x219 cm weight 147 kg
Structure	Monocoque type, made of plasticized, non-toxic white steel interior/exterior, coated with a special antibacterial-type film. Rounded corners and tray-type inner bottom.
Insulation type	High-density (43 kg/m ³), in-walls injected PUF, without any CFC, water-foam based.
Insulation thickness	75 mm rear / 60 mm sides
Feet	No.4 unidirectional rollers + No.2 stabilizing feet
Door	No.2 solid doors with all length ergonomic handles, 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.
Internal fittings	Customizable and height adjustable, it can mix independently: wire shelves supported by adjustable clips (dim.cm 56x55) fully extractible drawers made of aluminium, with dividers (WxDxH): cm 15x50x7,5 (nr 3 compartments) fully extractible drawers made of aluminium, without dividers(WxDxH): cm 49x50x7,5
Suggested internal fittings	No. 4 wire shelves (2 + 2)

Refrigeration system

Refrigeration	Professional, ventilated, forced, hermetic compressor type. No. 2 separate and independent cooling systems, one for each compartment.
Defrost	Automatic, adaptive, including condensate water vaporisation
Refrigerant	Natural R290
GWP ODP	3 0

Electronic controller



Controller	Controller ECT-F control®
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 Visual and acoustic for temperature alarms and failures such as: • Open door • High temperature • High temperature caused by power failure. • Low temperature • Power failure (when the energy returns, only in event of High Temperature) • Clogged condenser • Any functional failure/faulty parts
Alarm system	
Data and event recordings	Last 12 events available on the display
Settable temperature alarm limits	Yes, through parameter adjustment
Control sensors	NTC type probes

Electrical and functional data

Standard power supply	230V / 1ph / 50Hz
Standard plug type	Schuko type "C"
Compressor protection	Overload Protector included
Power absorption/current	kW 0,17 + 0,32 (Amp 1 + 2,3)
Inrush current	Amp 3 + 5
Noise level	<50 dBA
Heat emission according to EN 12900	W 187
Hold over time at 20°C ambient (air)	4 h chamber A (from +5°C to +15°C) 1,9 h chamber B (from -20°C to 0°C)
Energy consumption at 20°C ambient	4,5 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

FIOCCHETTI SCIENTIFIC S.R.L.

Headquarter: Via Panagulis, 48 - 42045 Luzzara (RE) Italy
VAT No. IT00934960352

Phone +39 0522 976232 - Fax +39 0522 976028

www.fiocchetti.com - Email: info@fiocchetti.it - Pec: fiocchetti@pec.it

Accessories available on request

Lock with key

ECT-F PLUS controller

Evolution of ECT-F control® controller, including following additional features:
Backup batteries for power failure alarm, up to 48 Hrs
Min and Max temperature log, manually resettable
High temperature alarm during power failure
Refrigerator temperature visible even during power failure
Alarm contact available on control board, remotable
Additional programmable relays output available
Please refer to model LABOR 2T 500 ECT-F PLUS

Additional wire shelf kit

Extractible drawer on telescopic slides

Extractible drawer without inner dividers on telescopic slides

Lockable drawer for narcotics

Rack 140x420x150H mm (max 3 per each shelf)

Plexiglas front panel for extractible drawer

Glass door for chiller compartment

Castors kit with brakes

Inner socket (no.1)

35mm access port with stopper (no.1)

Port hole mm 15 (no.1)

No.1 humidity sensor

No.1 PT100 sensor with free contacts

Non-standard plug and cable

Power 220V/60Hz

Power 115V/60Hz

Mains voltage stabilizer

Wooden crate package

FIOCCHETTI SCIENTIFIC S.R.L.

Headquarter: Via Panagulis, 48 - 42045 Luzzara (RE) Italy
VAT No. IT00934960352

Phone +39 0522 976232 - Fax +39 0522 976028
www.fiocchetti.com - Email: info@fiocchetti.it - Pec: fiocchetti@pec.it