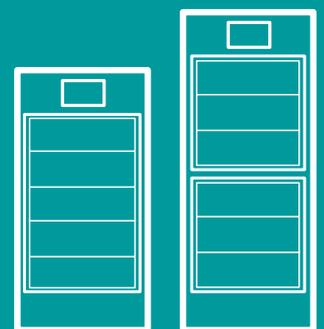




# **PHARMACY LINE**

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REFRIGERATORS  
AND FREEZERS



**fiocchetti**  
THE COLD MANUFACTURER

# ***SUMMARY***

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# TEMPERATURE-CONTROLLED REFRIGERATORS FOR PHARMACIES

For over 50 years, Fiocchetti has been designing and manufacturing refrigerators and freezers dedicated to pharmacies, laboratories and hospitals. Compliance with the most stringent regulations in the sector is always ensured: heat-sensitive health products and biological materials, which require accurate control of the storage temperature, are guaranteed optimal storage conditions.



## WIDE RANGE OF REFRIGERATORS FOR MEDICATION

Fiocchetti's portfolio equipment, available with **ECT-F**, **ECT-F PLUS** and **ECT-F TOUCH**, is presented in your pharmacies with a clean attractive aesthetic, renewed in design and performance, to always preserve your products at their best.

**REFRIGERATORS** single or double temperature, **FREEZERS** for celiac disease products and **COMBINED** (refrigerator + freezer) units are offered in a wide variety of capacities and sizes and with customizable interiors.

## DESIGN

Volumes are always improved in size and shape to optimize space and improve the user experience. The white antibacterial sheet metal body allows perfect cleaning of the chamber, both outside and inside (some models are also available on request with an interior in AISI 304 stainless steel). The highly developed technology, the use of top-quality materials and components, the availability of spare parts, in addition to the extensive network of assistance centres in Italy, guarantees a long life for Fiocchetti refrigerators.

- All appliances feature **low-emissivity, anti-fog and heat-insulated tempered glass door** to always keep the stored material under control and prevent unnecessary door opening (on request, some models can be equipped with a solid door). The full-length aluminium handle ensures a secure grip, with a magnetic gasket and a 90° doorstop.
- **The ceiling-type evaporator** increases the effective storage capacity of the refrigerator, since the internal space is fully usable.
- **Easy access to the compartments** for preventive maintenance and assistance: for example, routine cleaning of the condenser in models with the motor at the bottom is made easier by a convenient, easily detachable front.
- Not just aesthetics but also ergonomics: a wide range of **sizes** with the possibility of complete **customization of the interiors** for better management of the products with shelves, various types of drawers and baskets.



## SUSTAINABILITY

- **Internal LED lighting:** allows up to 75% energy consumption saving and a longer life of the Led bar over time. Moreover, ECT-F TOUCH "Night&Day" function allows the temperature to be raised by a predefined value and a smart management of the light to ensure further savings during the night hours, when the refrigerator is not in use or during holiday period.
- **Lower energy consumption:** despite the high performance of the machine energy consumption is very low. This is made possible using high-efficiency compressors, intelligent defrosting performed only when necessary, and increased thickness of insulation to reduce heat dispersion.
- **The use of completely eco-friendly ecological gases** in full compliance with the F-gas regulation further reduces consumption and respects the environment.
- Choice of **recyclable and ecological materials** with low environmental impact and long-life duration (such as aluminium and ecological water injection of the bodies), both at the time of manufacturing and considering final disposal.



## CUSTOMIZATION

Fiocchetti refrigerators and freezers can be configured according to your needs:

- **white plastic-coated steel shelves**, mounted on anti-tilt clips.
- **fully extractable aluminium drawers** on telescopic guides, practical, light and resistant, complete with dividers to better organize drugs boxes, or without any partition for inserting larger boxes.
- **fully extractable steel wire drawers** on telescopic guides, with raised perimeter edges.
- **steel wire baskets** for the larger models (700 and 1500 litres), always on telescopic guides, with high storage capacity.
- **castors** with brakes to move the refrigerators more easily.
- **key lock** on ECT-F and ECT-F PLUS, or electronic on ECT-F TOUCH.



## CONNECTIVITY

Our Touch series offer the chance to **connect**, the equipment both on a local network, via the Lan port and our **monitoring software (Fiocchetti Lan Supervisor)**, and remotely, **with Wi-Fi accessories or Cloud subscription application. Fiocchetti Cold Eyes** will send alarms via SMS, email and dedicated app in addition to the complete remote viewing of the operation, also useful for a quick resolution of any technical problem.



# SUPERVISION ELECTRONICS AT THE HIGHEST LEVEL

Fiocchetti's refrigerators portfolio is wide and allows you to choose the product that best suits the needs of your pharmacy, both in terms of size, type (one and two temperatures), and regarding the controller type.

## ECT-F TOUCH

The refrigerators and freezers with TOUCH controller are the most complete on the market and include as standard the **7" touch screen** with real-time graph and **automatic recording of temperatures and alarms**, downloadable to PC **via front USB** (or SD card), with memory up to 10 years. The large touchscreen display, very easy to use, makes all the control and command functions immediately available and allows rapid consultation of the machine data:

- **Real temperature** (with precision to the tenth of a degree) and setpoint, with the possibility of modifying setpoints and alarm limits.
- **Real-time graph** of the refrigerator temperature, customizable to display up to 3 different probes, with display of the last 6 hours and the possibility of re-creating detailed graphs of previous data.
- **Energy consumption values** (consumption in 24 hours, instant power, etc.)
- **Refrigerator operating status.**
- **Alarms list** with details of type, time, duration, and maximum temperature reached.
- **Icons** to access settings and user panel, with submenus to better manage the machine.
- **Light**, with on/off and energy saving options.

### 100% safety

Total control of the "refrigeration system", with acoustic and visual signalling and recording of every possible alarm and event related to the life of the equipment.

- **Signalling of all alarms** (high and low temperature, open door, power failure when power returns, or during a blackout when optional buffer batteries are present).
- **Self-diagnostics**, with functional tests and failure prevention (clogged condenser warning, gas discharge system, temperature probe imbalance, high controller board temperature, etc.).
- **Failure signalling** (evaporator, condenser, probes, etc.).
- Double compressor relay and double defrost relay to guarantee operation even faulty conditions.
- Protection from high condenser temperature / low evaporator temperature.
- Product protection in the event of control probe failure.
- **Safety thermostat**: differentiated protection against freezing (for refrigerators) and overheating.

### 100% connectivity

- Data recording on SD card and internal memory with sampling every 30 sec.
- USB port for data download and software update.
- DMLP Touch Digital Monitor module (optional) for continuous recording with independent PT100 probe and buffer batteries for controller and alarm operation even in the event of a blackout.
- SIM Card slot for **optional GSM module**, which allows sending alarm SMS messages.
- RJ45 Ethernet port for LAN network connection.
- **Dry contact** for remote alarms.
- Mod-bus communication protocol for connection with pre-existing supervision systems.
- Provision for optional **Wi-fi module**.
- Optional monitoring systems:

**Cloud monitoring: FIOCCHETTI COLD EYES**, gateway with Micro Sim included for remote machine monitoring, with alarms via SMS, email and dedicated app, working data access and download.

**For local network: FIOCCHETTI LAN SUPERVISOR** allows you to connect to 100 devices on the same network, with visualization software and email alarms.

## ECT-F & ECT-F PLUS

By choosing an ECT-F or ECT-F PLUS refrigerator, you are purchasing a refrigerator with a latest-generation electronic controller, easy to use but at the same time complete and functional, with 0.1°C resolution and **backlit alphanumeric LCD display**. Clear and precise information on the operating status of the machine is shown on the display, as well as any temperature anomalies detected. The interactive interface can be customized by the user and protected by password to avoid unwanted switching on or off of the equipment; it also permits the instant verification of all the main settings and any alarms. Special functions such as Stop-on-Door and Advanced Defrosting allow optimal management of the refrigeration cycle, reducing temperature changes and consumption. **The last 16 recorded acoustic-visual alarms are always available** and displayed along with the maximum temperature reached and the duration of the anomaly. The alarm is reiterated until the problem is solved, but the alarm sound can be muted.

### Alarm reporting on ECT-F:

- **Open door**
- **High temperature**
- **Low temperature**
- **Power failure** (when the power supply is restored if the temperature exceeds the set limits).
- **Dusty condenser**

In addition to the features of the ECT-F controller, the **ECT-F PLUS** version also offers:

- **buffer battery** for power failure alarm up to 48H (24H for 2T models).
- high temperature alarm caused by power failure.
- temperature display during power failure.
- **min/max temperature log**
- **dry contact** for remote alarm control.



### Special functions for all Fiocchetti's appliances

- **Advanced defrosting**: through continuous monitoring of the minimum and maximum temperatures of the evaporator in each operating cycle, the controller automatically triggers a defrost in the event of excessive ice formation in the evaporator.  
Advantages: lower electricity consumption and greater guarantee of temperature uniformity.
- **Stop-on-Door**: when the door is opened, the compressor switches off to avoid excessive lowering of the evaporator temperature.  
Advantages: less thermal shock after opening the door.



**MEDIKA® 2T professional refrigerators are expressly designed for the pharmacy sector: two temperatures, two motors and two completely independent compartments,** to best manage different product ranges.

Both compartments of each machine can be set independently between +2° and +15°C and are equipped with acoustic and visual alarms as standard, with logging data that can be accessed on the display.

The range offers refrigerators with different capacities, from 280 to 1500 liters, with low-emissivity glass doors, and allows you to choose the desired internal layout (with shelves, drawers and/or removable baskets, depending on the model). The **MEDIKA® 2T series** refrigerators fully comply with the Pharmacopoeia and European sector regulations and are available in **ECT-F, ECT-F PLUS or ECT-F TOUCH series**, depending on the required features.

TOUCH DISPLAY SPLIT IN TWO SECTIONS TO OVERSEE THE 2 CHAMBERS

2 INDEPENDENT CONTROLLERS FOR ECT-F AND ECT-F PLUS SERIES

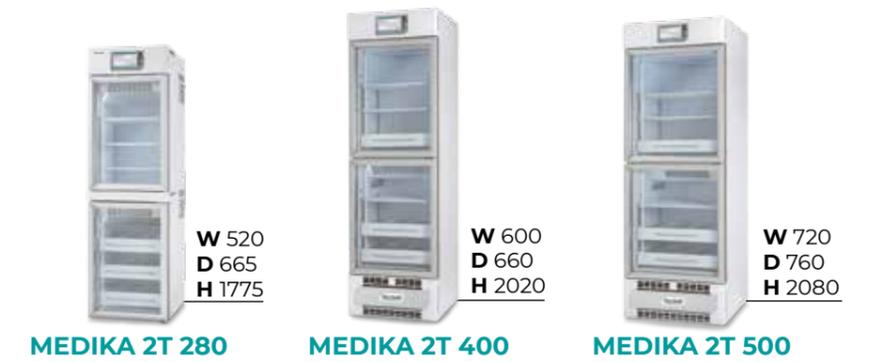
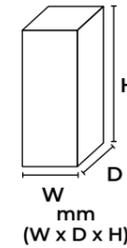
2 INDEPENDENT CHAMBERS AND TWO SEPARATE COOLING UNITS



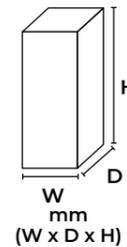
EASY MAINTENANCE: CONDENSER COMPARTMENT EASILY REACHABLE

CUSTOMIZABLE INTERNAL FITTINGS

## ECT-F TOUCH



## ECT-F / ECT-F PLUS



# MEDIKA 2T series

	280	400	500	600	800	1000	1500	
Capacity I (cu ft)	128+128 (4,52+4,52)	170+160 (6,01+5,66)	249+230 (8,80+8,13)	265+265 (9,35+9,35)	347+347 (12,3+12,3)	527+527 (18,62+18,62)	620+620 (21,91+ 21,91)	
Gross capacity I (cu ft)	153+153 (5,4+5,4)	179+179 (6,33+6,33)	249+261 (8,80+9,22)	302+302 (10,67+10,67)	347+347 (12,3+12,3)	527+527 (18,62+18,62)	620+620 (21,91+ 21,91)	
Temperature range	+2°C +15°C / +2°C +15°C							
Allowed ambient temperature range	+16°C +38°C							
Electronic controller	ECT-F ECT-F PLUS	ECT-F TOUCH	ECT-F / ECT-F PLUS ECT-F TOUCH	ECT-F / ECT-F PLUS ECT-F TOUCH	ECT-F / ECT-F PLUS ECT-F TOUCH	ECT-F / ECT-F PLUS ECT-F TOUCH	ECT-F / ECT-F PLUS ECT-F TOUCH	
External dimensions mm (WxDxH)	520 x 665 x 1665	520 x 665 x 1775	600 x 660 x 2020	720 x 760 x 2080	1040 x 660 x 1960	1200(600+600) x 660 x 1960	1440(720+720) x 760 x 2080	1500(750+750) x 845 x 2100
Inner dimensions mm (WxDxH)	440 x 516 x 560 (x2)		500 x 485 x 685 (A) 500 x 485 x 730 (B)	600 x 588 x 700 (A) 600 x 588 x 740 (B)	440 x 485 x 1400(x2)	500 x 485 x 1400 (x2)	600 x 580 x 1500 (x2)	600 x 685 x 1500 (x2)
Inner/outer finish	W+W or B+SS		W+W or B+SS	W+W	W+W	W+W or B+SS	W+W or B+SS	W+W or B+SS
Insulation thickness (sides/back) mm	40		50/70	60/75	40/70	50/70	60/75	75
Door type	Glass							
Refrigeration type	Ventilated							
Refrigerant type	R290							
Defrost	Automatic with condensate water vaporization							
Feet/rollers	Rollers (Ø 20mm)						Feet (H=130mm)	
Inner light	Led							
Interchangeability of shelves/drawers/baskets	✓			✓				
Max shelves number allowed	3+3	3+3	3+3	6+6	7+7	7+7	7+7	
Wire shelf dimensions	400 x 470	460 x 455	560 x 560	400 x 470	460 x 455	560 x 560	560 x 650	
Max drawers number allowed	5+5	5+5	5+5	12+12	14+14	14+14	14+14	
Dimensions of drawers with dividers (WxDxH) mm (for each section)	98 x 450 x 75 (x3)	118 x 400 x 75 (x3)	154 x 500 x 75 (x3)	98 x 400 x 75 (x3)	118 x 400 x 75 (x3)	154 x 500 x 75 (x3)	154 x 600 x 75 (x3)	
Dimensions of drawers without dividers (WxDxH)	330 x 450 x 75	390 x 400 x 75	490 x 500 x 75	330 x 400 x 75	390 x 400 x 75	490 x 500 x 75	490 x 600 x 75	
Inner dimensions of stainless-steel wire baskets mm (WxDxH)	✗		✗				538 x 639 x 148	
Inner dimensions of stainless-steel wire drawers mm (WxDxH)	✗	438 x 406 x 62	✗	✗	438 x 406 x 62	✗	538 x 605 x 62	
Energy consumption (kWh/24h)	1	1,4	1,4	1,8	0,7+0,7	1+1	1+1	
Power absorption/current kw - (Amp)	0,14+0,14 (0,9+0,9)	0,17+0,17 (1+1)	0,17+0,17 (1+1)	0,19+0,19 (1,3+1,3)	0,17+0,17 (1+1)	0,17+0,17 (1+1)	0,12+0,12 (0,7+0,7)	
Inrush current (A)	2,5+2,5	3+3	3+3	3+3	3+3	3+3	2,5+2,5	
Noise level (<dBa)	45	50	50	50	45+45	45+45	50+50	
Heat output according to 12900 (W)	41,66	58,33	58,33	75	30+30	41+41	40+40	
Cooling capacity (W)	160+160	320+320	320+320	350+350	350+350	450+450	550+550	

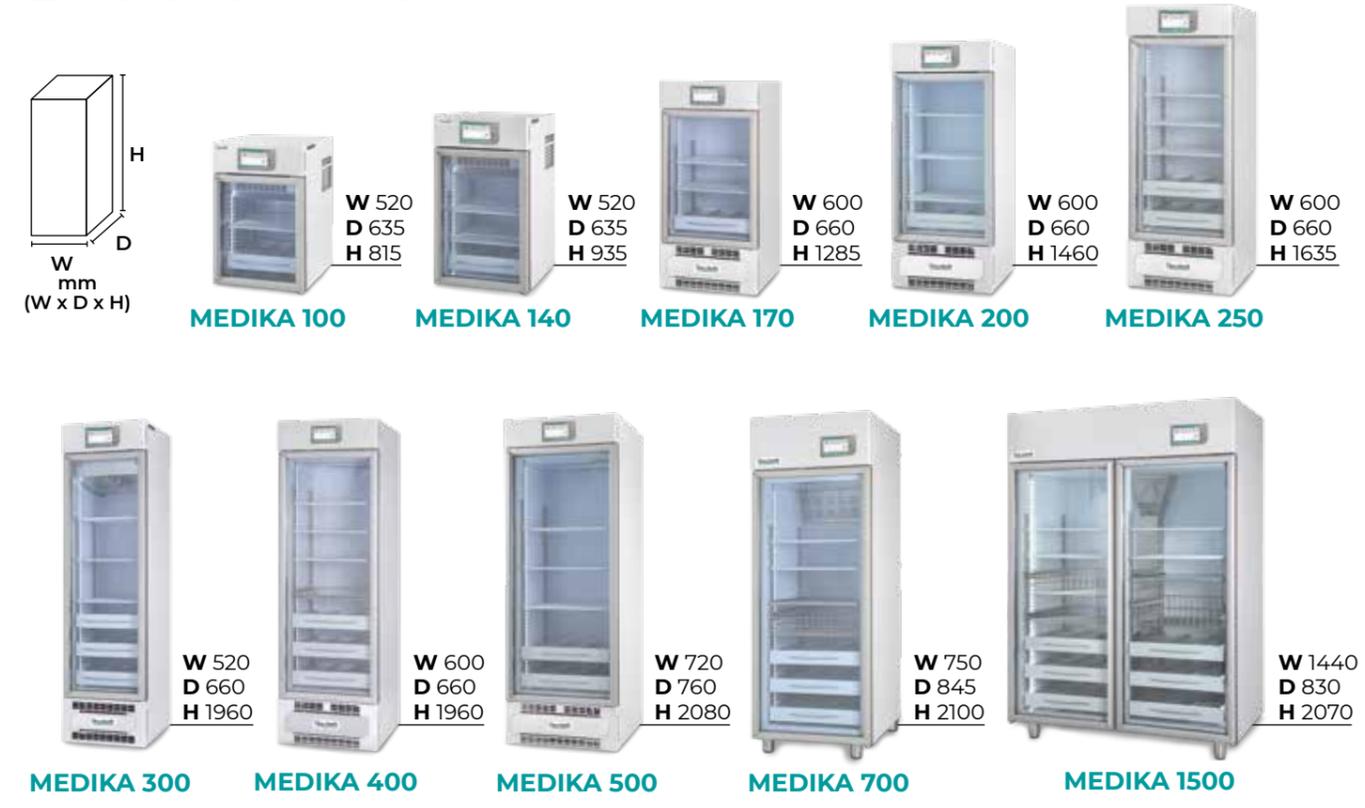


The single-temperature refrigerators of **MEDIKA®** series, adjustable from **+2 to +15 °C** and equipped with a single compartment are available in a **wide range** of capacities to meet all the needs of medicines and vaccines storage: from 100 litres for small commercial establishments, up to 1500 litres for warehouses and pharmaceutical depots. The internal space can be organized with **shelves, drawers**

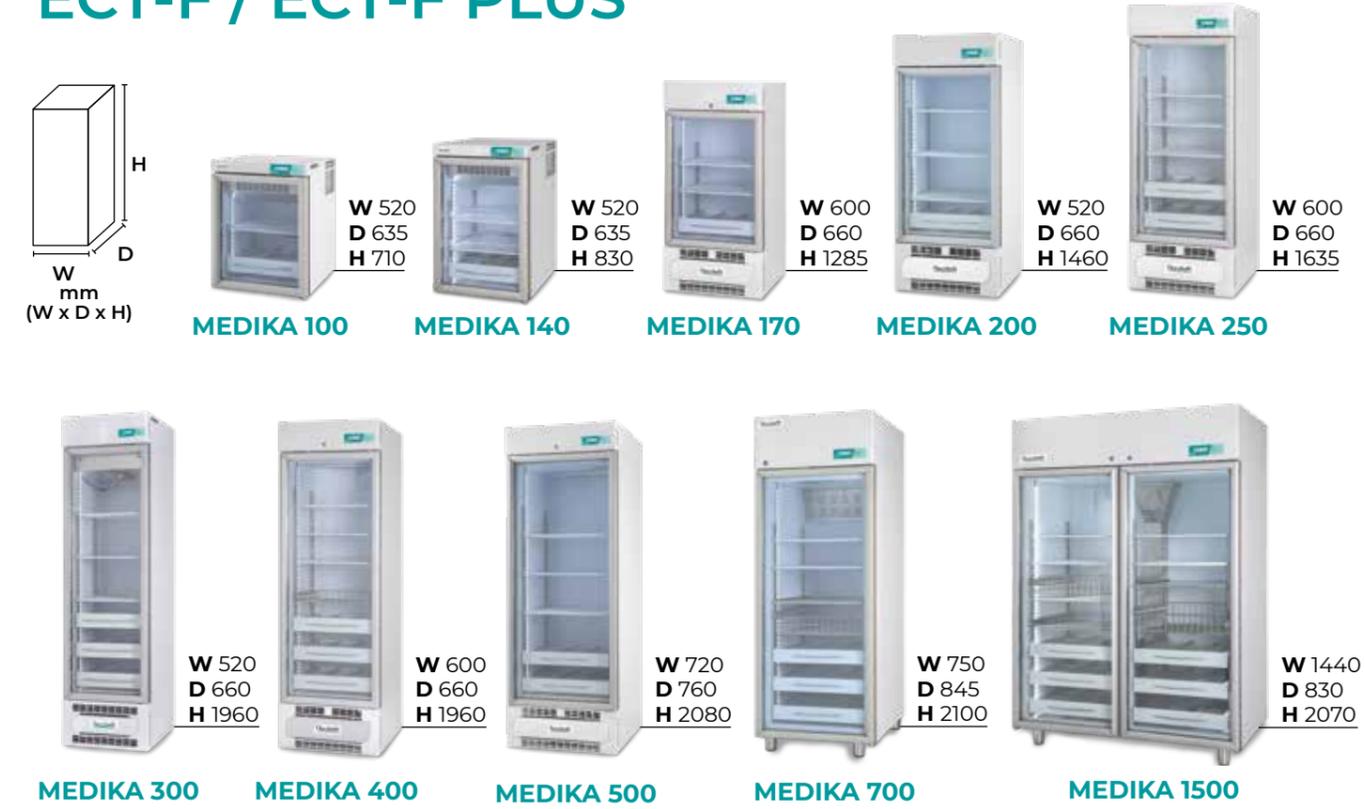
**and/or baskets**, with different sizes and proposals depending on the models. All refrigerators are available with **ECT-F, ECT-F PLUS or ECT-F TOUCH controller**: each series provides all the alarms needed to perfectly respond to industry regulations, as well as specific features of each controller.



## ECT-F TOUCH



## ECT-F / ECT-F PLUS



	100	140	170	200	250	300	400	500	700	1500		
Capacity I (cu ft)	96 (3,40)	128 (4,52)	179 (6,3)	221(7,8)	264 (9,3)	265(9,34)	347 (12,3)	527 (18,6)	620 (21,9)	1335 (47,87)		
Gross capacity I (cu ft)	126 (4,45)	153 (5,4)	179 (6,3)	221(7,8)	264 (9,3)	302 (10,6)	347 (12,3)	527 (18,6)	620 (21,9)	1335 (47,87)		
Temperature range	+2°C +15°C											
Allowed ambient temperature range	+16°C +38°C											
Electronic controller	ECT-F ECT-F PLUS	ECT-F TOUCH	ECT-F ECT-F PLUS	ECT-F TOUCH	ECT-F / ECT-F PLUS ECT-F TOUCH							
External dimensions mm (WXDXH)	520 x 635 x 710	520 x 635 x 815	520 x 635 x 830	520 x 635 x 935	600 x 660 x 1285	600 x 660 x 1460	600 x 660 x 1635	520 x 660 x 1960	600 x 660 x 1960	720 x 760 x 2080	750 x 845 x 2100	1440 x 830 x 2070
Inner dimensions mm (WXDXH)	440 x 516 x 421	440 x 516 x 560	500 x 485 x 730	500 x 485 x 900	500 x 485 x 1075	440 x 485 x 1400	500 x 485 x 1400	600 x 580 x 1500	600 x 685 x 1500	1300 x 670 x 1500		
Inner/outer finish	W+W or B+SS					W+W		W+W or B+SS				
Insulation thickness (sides/back) mm	40		50/70			40/70		50/70	60/75	75	70	
Door type	Glass											
Refrigeration type	Ventilated											
Refrigerant type	R290											
Defrost	Automatic with condensate water vaporization											
Feet/rollers	Feet (H=15mm)					Rollers (Ø 20mm)			Feet (H=130mm)			
Inner light	Led											
Interchangeability of shelves/drawers/baskets	✓					✓						
Max shelves number allowed	2	5	4	5	6	7	7	7	7	14		
Wire shelf dimensions	400 x 470	400 x 470	460 x 455	460 x 455	460 x 455	400 x 470	460 x 455	560 x 560	560 x 650	560 x 650		
Max drawers number allowed	3	3	6	8	10	14	14	14	14	28		
Dimensions of drawers with dividers (WxDxH) mm (for each section)	98 x 450 x 75 (x3)	98 x 450 x 75 (x3)	118 x 400 x 75 (x3)	118 x 400 x 75 (x3)	118 x 400 x 75 (x3)	98 x 400 x 75 (x3)	118 x 400 x 75 (x3)	154 x 500 x 75 (x3)	154 x 600 x 75 (x3)	154 x 600 x 75 (x3)		
Dimensions of drawers without dividers (WxDxH)	330 x 450 x 75	330 x 450 x 75	390 x 400 x 75	390 x 400 x 75	390 x 400 x 75	330 x 400 x 75	390 x 400 x 75	490 x 500 x 75	490 x 600 x 75	490 x 600 x 75		
Inner dimensions of stainless-steel wire baskets mm (WxDxH)		✗					✗		538 x 605 x 148	538 x 639 x 148		
Inner dimensions of stainless-steel wire drawers mm (WxDxH)	✗	✗	438 x 406 x 62	438 x 406 x 62	438 x 406 x 62	✗	438 x 400 x 62	✗	538 x 605 x 62	538 x 605 x 62		
Energy consumption (kWh/24h)	0,5	0,6	0,5	0,6	0,6	1,2	0,7	1	1	2,5		
Power absorption/current kw - (Amp)	0,14 (0,9)	0,14 (0,9)	0,17 (1)	0,17 (1)	0,17 (1)	0,19 (1,3)	0,17 (1)	0,17 (1)	0,12 (0,7)	0,4 (1,8)		
Inrush current (A)	2,5	2,5	3	3	3	3	3	3	2,5	6		
Noise level (<dBa)	40	40	45	45	45	50	45	45	50	55		
Heat output according to 12900 (W)	21	25	21	25	25	50	29	42	42	104		
Cooling capacity (W)	160	160	300	300	300	350	350	450	550	600		

# VISION and VISION 2T series

-10°C -20°C

+2/+15°C | -10/-20°C



# serie VISION e VISION 2T

Freezers and combined fridge-freezers with glass doors, are specifically designed for the storage and display fresh or frozen products destined for people affected by celiac disease.

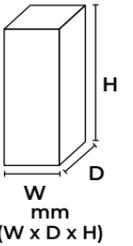
In the combined models, the refrigerator compartment can be used for the storage of medicines. The low-emissivity glass doors guarantee thermal insulation and allow you to check the stored material from outside without opening the door.

The full-length, ergonomic anodized aluminium handle allows a correct and safe grip, and the smart defrosting prevents the formation of ice.

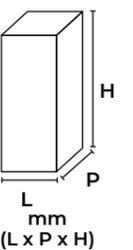
The level of safety guaranteed for your food products for celiac subjects is the same as that reserved for medicines: all models are in fact available in the **ECT-F, ECT-F PLUS or ECT-F TOUCH version.**



## ECT-F TOUCH



## ECT-F / ECT-F PLUS



# VISION series

# VISION 2T series

	400	700	400 2T	500 2T	700 2T
Capacity I (cu ft)	347 (12,3)	620 (21,9)	170+160 (6,01+5,66)	249+230 (8,80+8,13)	260+265 (9,19+9,37)
Gross capacity I (cu ft)	347 (12,3)	620 (21,9)	179+179 (6,33+6,33)	249+261 (8,80+9,22)	288+305 (10,17+10,77)
Temperature range	-10 -20°C		+2 +15°C / -10 -20°C		
Allowed ambient temperature range			+10°C +25°C		
Electronic controller	ECT-F / ECT-F PLUS ECT-F TOUCH	ECT-F / ECT-F PLUS ECT-F TOUCH	ECT-F / ECT-F PLUS ECT-F TOUCH	ECT-F / ECT-F PLUS ECT-F TOUCH	ECT-F / ECT-F PLUS ECT-F TOUCH
External dimensions mm (WXDXH)	600 x 670 x 1960	750 x 870 x 2100	600 x 660 x 2020	720 x 760 x 2080	720 x 855 x 2030
Inner dimensions mm (WXDXH)	500 x 485 x 1400	600 x 685 x 1500	500 x 485 x 685 (A) 500 x 485 x 730 (B)	600 x 588 x 700 (A) 600 x 588 x 740 (B)	600 x 680 x 700 (A) 600 x 680 x 740 (B)
Inner/outer finish	W+W or B+SS		W+W or B+SS		W+W
Insulation thickness (sides/back) mm	50/70	75	50/70	60/75	60
Door type			Glass		
Refrigeration type			Ventilated		
Refrigerant type			R290		
Defrost	Automatic with condensate water vaporization				
Feet/rollers	Rollers (Ø 20mm)	Feet (H=130mm)	Rollers (Ø 20mm)		Feet (H=130mm)
Inner light	Led				
Interchangeability of shelves/drawers/baskets	✓		✓		
Max shelves number allowed	7	7	3+3	3+3	3+3
Wire shelf dimensions mm	460 x 455	560 x 650	460 x 455	560x560	560x650
Max drawers number allowed	7	7	5+5	5+5	5+5
Dimensions of drawers with dividers (WxDxH) mm (for each section)	118 x 400 x 75 (x3)	154 x 600 x 75 (x3)	118 x 400 x 75 (x3)	154 x 500 x 75 (x3)	154 x 600 x 75 (x3)
Dimensions of drawers without dividers (WxDxH)	390 x 400 x 75	490 x 600 x 75	390 x 400 x 75	490 x 500 x 75	490 x 600 x 75
Inner dimensions of stainless-steel wire baskets mm (WxDxH)	✗	538 x 605 x 148	✗		538 x 605 x 148
Inner dimensions of stainless-steel wire drawers mm (WxDxH)	438 x 406 x 62	538 x 605 x 62	438 x 406 x 62	✗	538 x 605 x 62
Energy consumption (kWh/24h)	5	6	5	5,5	7
Power absorption/current kw - (Amp)	0,32 (2,3)	0,35 (2,5)	0,17+0,32 (1+2,3)	0,17+0,32 (1+2,3)	0,17+0,32 (1+2,3)
Inrush current (A)	5	7	3+5	3+5	3+5
Noise level (<dBa)	45	55	50	50	50
Heat output according to 12900 (W)	208,33	250	208,33	229,16	291,67
Cooling capacity (W)	250	280	320+250	320+250	320+250



**Built-in undercounter refrigerator with solid door, display with alarms even in the absence of power.**

Compact biological refrigerator, installable undercounter and possibly built-in **DOCTOR 85 model is designed specifically for environment with space-constraints for the correct preservation of drugs and vaccines.**

**DOCTOR 85 professional refrigerator** combines professional components, safety devices and ready-to-use packages of accessories: it includes 3 drawers with dividers, nr 1 shelf, lock with key, **ECT-F PLUS DIN** controller with buffer battery for alarms in the absence of electricity, anti-freeze safety device and dry contacts for remote alarms signalization.



## DOCTOR 85

<b>Net capacity l (cu ft)</b>	85 (3)
<b>Gross capacity l (cu ft)</b>	87 (3,07)
<b>Temperature range</b>	0 +20°C
<b>Ambient temperature range</b>	+10°C +38°C
<b>Electronic controller</b>	ECT-F PLUS
<b>External dimensions mm (WxDxH)</b>	540 x 536 x 815
<b>Inner dimensions mm (WxDxH)</b>	440 x 400 x 480
<b>Inner/outer finish</b>	Exterior in plasticized non-toxic grey skin plate steel, scotch Brite steel touch; interior in thermoformed plastic material. Ventilation area in AISI304 stainless steel
<b>Insulation thickness (sides/back) mm</b>	50
<b>Door type</b>	Solid
<b>Refrigeration type</b>	Ventilated
<b>Refrigerant type</b>	R600a
<b>Defrosting</b>	Automatic with condensate water vaporization
<b>Feet/rollers</b>	Feet (H=15mm)
<b>Inner light</b>	Led type
<b>Max number of shelves</b>	1
<b>Shelves dimensions mm</b>	420 x 320
<b>Max number of drawers</b>	3
<b>Inner dimensions of the drawer without partitions (WxDxH)</b>	410 x 320 x 70
<b>Energy consumption (kWh/24h)</b>	0,4
<b>Power absorption/current kw</b>	0,06 (0,37)
<b>Inrush current (A)</b>	1
<b>Noise level (&lt;dBa)</b>	35
<b>Heat output according to 12900 (W)</b>	16,66

# CONTROLLER FEATURES

	ECT-F	ECT-F PLUS	ECT-F TOUCH
<b>Resolution (°C)</b>	0,1	0,1	0,1
<b>User interface</b>	LCD alphanumeric	alphanumeric	7" Touchscreen
<b>Acoustic and visual alarms</b>	✓	✓	✓
<b>Power failure alarm (displayed when power is back)</b>	✓	✓	✓
<b>Power failure alarm</b>	x	✓	optional
<b>Alarms and events recording</b>	✓	✓	✓
<b>Min/Max temperatures recording</b>	x	✓	x
<b>Real-time temperature and data recording</b>	x	optional	✓
<b>Integrated web server</b>	x	x	✓
<b>USB/SD/SIM ports</b>	x	x	✓
<b>Night &amp; Day function</b>	x	x	✓
<b>SAFETY</b>			
<b>Dry contact to remote alarms signalization</b>	x	✓	✓
<b>External terminal board for dry contact</b>	x	optional	optional
<b>Antifreeze and overheating safety</b>	x	optional	✓
<b>ALARMS AND FAILURE (ACOUSTIC AND VISUAL)</b>			
<b>High/low temperature</b>	✓	✓	✓
<b>High temperature caused by power failure</b>	x	✓	optional
<b>Open door</b>	✓	✓	✓
<b>High temperature caused by open door</b>	x	x	✓
<b>Clogged condenser</b>	✓	✓	✓
<b>High condenser / Low evaporator temperature</b>	✓	✓	✓
<b>Temperature sensors error</b>	✓	✓	✓
<b>DIAGNOSTIC</b>			
<b>Tension and power monitoring of electric loads</b>	x	x	✓
<b>Self-diagnose tests on electric loads</b>	x	x	✓
<b>AVAILABLE ACCESSORIES</b>			
<b>Rechargeable back-up batteries</b>	x	✓	optional
<b>Independent recording system DMLP</b>	x	x	optional
<b>Electric-digital key lock</b>	x	x	optional
<b>Mechanical key lock</b>	optional	optional	x
<b>Module GSM - Module Wi-Fi</b>	x	x	optional
<b>Cloud monitoring system (Fiocchetti Cold Eyes)</b>	x	x	optional
<b>Connection to an external monitoring system</b>	x	✓ Modbus RTU	✓ Modbus TCP/IP
<b>Conformity DIN 13277 for drugs</b>	x	optional	optional

[www.fiocchetti.com](http://www.fiocchetti.com)



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**THE COLD MANUFACTURER**

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