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A global brand

Founded in 1948, the SMEG Group, an acronym for **Smalterie Metallurgiche Emiliane Guastalla**, is a proudly Italian company renowned for the responsible production of domestic and professional appliances that embody the perfect balance between **technology** and **design**, fully expressing the essence of **Made in Italy**.

Having consolidated its leadership in the **household appliances** sector, since 1985 the Group has expanded its expertise into the **professional field**. Through the brand **Smeg Instruments and FRIMED S.r.l.**, the Group operates in the **medical, pharmaceutical, laboratory and care sectors**, offering **technologically advanced solutions** for refrigeration, washing, disinfection and sterilization.

Made in Italy tailor-made solutions for hospitals

Thanks to its long and consolidated experience in the **in-house production** of technologies for the treatment of medical instruments, Smeg guarantees **high-standard performances**.

Smeg has **5 production facilities**, two of which, **FRIMED** and **Bonferraro**, are dedicated to this division. **Know-how, creativity and sophistication** are the hallmarks of Smeg's Italian spirit and its commitment to creating **professional appliances** that meet market demands.

Not only efficient products that address diverse washing and storage needs, but also **robust machines** with a sophisticated design that enhance the workplace environment.

Engineering excellence

Certified laboratories, through advanced material knowledge and cutting-edge technology, interpret the needs of industry professionals, developing products that deliver **durability, safety, flexibility of use and efficiency**.

Constant and **rigorous testing** throughout production ensures **total reliability**. Moreover, thanks to advanced interfaces and flexible programming solutions, every Smeg product meets multiple professional needs, ensuring **ease of use** and **smart resource management**.

Responsible production

Smeg is committed to **responsible manufacturing**, ensuring full compliance with international standards and adopting processes that minimise energy waste.

Sustainability guides every stage of its supply chain, from selecting **environmentally certified suppliers** to using **recyclable packaging** and favouring **low-impact transport**. Over the past decade, the company has significantly reduced **emissions, water consumption and material use**, while increasing **waste sorting and recycling**.

This approach reflects a broader vision: developing low-impact appliances supported by production methods that exceed **environmental protection requirements**.

Smeg Instruments products embody this commitment, combining high performance with low consumption and prioritising **maximum energy efficiency** to protect the environment and enhance quality of life.



Global assistance for local expertise

Supported by a **widespread technical service** network in Italy and worldwide, Smeg assists customers throughout the entire **product lifecycle**.

Commissioning and **staff training** are carried out by specialised personnel trained directly by Smeg, as is the **after-warranty service**.

The technical service centre provides **international training and support** through multilingual specialist teams. Choosing Smeg ensures access to **timely after-sales service, 24-hour spare parts delivery, and rapid problem resolution**.



Solutions for refrigeration

Medical refrigeration

Professional refrigeration is a key element in the safe and efficient handling of sensitive products, particularly in the medical and pharmaceutical industries where **precision** and reliability are essential requirements. Smeg Instruments, which has always been synonymous with **innovation** and **quality**, presents a complete range of refrigeration solutions designed to meet the specific needs of these industries.

Each product is the result of **innovative design**, supported by the most advanced **temperature control** technology, to offer consistent performance and **safe storage** over time.

01 CONTROLLED MEDICAL STORAGE



02 ADVANCED FREEZING



03 BLOOD MANAGEMENT



01. Controlled medical storage

Refrigerators and dual temperature refrigerators

Controlled Medical Storage plays a crucial role in hospitals and healthcare environments, ensuring that medications, reagents, vaccines, and diagnostic materials are kept under optimal conditions. Precise temperature control prevents degradation, safeguards product integrity, and supports reliable clinical workflows. Smeg Instruments offers solutions designed for refrigerated storage in hospital settings, ensuring thermal stability, the protection of sensitive materials, and full compliance with healthcare standards.



ACCURACY

Smeg Instruments refrigerators ensure high precision in temperature control, with an **error margin as low as 0.1°C**. This exceptional accuracy provides optimal conditions for the storage and handling of sensitive samples, meeting the strictest requirements in scientific and professional environments.



USABILITY

With advanced technology, the control system allows for **easy monitoring and precise control of internal temperatures**, while also displaying **visual and audible alarms** for timely adjustments to settings.



SAFETY

Smeg Instruments refrigerators are **equipped with alarms and safety systems** that ensure secure daily use. Built with high-quality materials, they are designed for long-lasting durability, providing reliable performance over time. These features make them ideal for professional environments where safety and longevity are essential.



TRACEABILITY

Smeg Instruments refrigerators are equipped with an **integrated data logger and a USB port** that allows for **easy downloading of temperature and alarm data**, ensuring complete traceability of data and information for accurate analysis.

Evolution line

The Evolution line of professional refrigeration equipment meets a wide range of needs for operators in the hospital and pharmaceutical sectors, offering state-of-the-art solutions.

POSITIVE TEMPERATURE REFRIGERATORS

Smeg Instruments' **single positive temperature refrigerators** offer reliable solutions for storing sensitive materials that require constant and controlled temperatures.



DUAL TEMPERATURE REFRIGERATORS

Smeg Instruments' **dual temperature refrigerators** combine efficiency and versatility, allowing for the management of two different temperatures within the same unit.

The range is composed of **dual positive temperature** devices and **dual positive and negative temperature** devices.



PERFORMANCE AND CONTROL

- Temperature range from +2°C to +12°C
- High resolution 7" true color full touch screen graphic display with real-time temperature graph
- Integrated datalogger for process, temperature and alarm data record, download via USB port
- Optional 12 V backup battery for display and alarm acquisition up to 48h
- Optional +2°C safety thermostat in accordance with DIN 13277
- Optional pass-through hole for external temperature probe entry



ALARMS AND SAFETY

- Audible and visual alarm signalling
- 22 temperature and performance alarms, self-diagnostics warnings
- Key door lock - password-protected electronic lock optional



CONNECTIVITY AND DATA MANAGEMENT

- Wi-Fi connectivity as a standard for remote data control and access
- Cloud portal optional for data storage and monitoring, alarm notification and daily report
- USB port as standard for data download
- GSM module optional for immediate warning to the operator in case of malfunctioning via SMS



STRUCTURE AND MATERIALS

- Efficient self-closing insulated door
- Internal structure in Scotch Brite stainless steel
- Ecological polyurethane foam insulation, 60 mm thick



INTERIOR AND LIGHTING

- Full height vertical LED lighting for refrigerator compartment
- Interior configuration with height-adjustable shelves



COOLING SYSTEM

- Ventilated evaporator
- Automatic defrosting with condensate water evaporation



MOBILITY AND NOISE LEVEL

- 4 unidirectional wheels, pivoting wheels as optional
- Noise level <50 dB



ELECTRICAL SPECIFICATIONS

- Electrical connection 230V 50 Hz – 60 Hz version available
- Detachable power cable with Schuko plug (UK plug available)

Ultimate technology

Smeg Instruments' Evolution line represents the **ultimate in technology and innovation in professional refrigeration** for the medical and pharmaceutical sectors. High-quality finishes and attention to detail make these refrigerators high-performance and accurate.

Featuring a distinctive design, this line is equipped with an **advanced digital display** that allows precise and immediate temperature control, with improved visibility thanks to its larger dimensions. **Simple and intuitive to use**, it allows precision adjustment and checking of the internal temperature and display of alarms, both visual and acoustic, for timely modification of current settings, guaranteeing efficiency and traceability.



Precision and control

Smeg Instruments refrigerators ensure **high precision in temperature control**, with an **error margin as low as 0.1°C**. This exceptional accuracy provides optimal conditions for the storage and handling of sensitive samples, meeting the strictest requirements in scientific and professional environments.

Parameters shown on the display

- Chamber temperature probes, evaporator, condenser and control probe
- Operating setpoint
- Control and monitoring temperature probe
- High temperature and low temperature limit
- On/off status of appliance and battery
- Battery voltage run-time
- Voltage and chamber light status
- Various alarms (e.g. temperature alarms, blackout alarm, high compressor use alarm, etc.)
- Refrigeration status (pause, cooling, defrost, etc.)



Energy savings

The new Smeg Instruments EVO refrigerators, equipped with new, next-generation displays, allow you to achieve top performance while minimising consumption, ensuring the strictest respect for environmental protection.

Led lighting that allows savings of up to 70% compared to conventional technologies.

Activation of smart parameters thanks to this automated function, the appliance calculates the ideal parameters for the greatest savings in terms of time and energy consumption.

Smeg cloud

Smeg Cloud is a cloud created specifically for connecting refrigerators to a mobile device or computer by Wi-Fi.

After logging in to the Smeg Cloud platform (optional for EVO models), users can consult and access the refrigerator control panel remotely.

VNC REMOTE CONTROL:

Virtual Network Computing is an application that enables users to control a unit and use it exactly as if they were in front of it.

Advantages:

- Allows the Service function to take control of the machine remotely and diagnose any problem without physical intervention.
- Allows end users to interface with a technician to solve simple problems, without the need for on-site intervention.

Data backups

Unit data are stored in the web cloud infrastructure for 10 years. Data can be downloaded directly from the unit at any time using the USB port.

Automatic report transmission

Users can opt to automatically send an e-mail with the periodic unit data report in PDF form to one or more e-mail addresses set by the user.

Evolution line

Positive temperature refrigerators

- internal capacity from 100 to 1400 litres
- n. 1 self-closing insulated double glass door (n. 2 for 1400 litres versions)
- solid door versions available
- safety door lock with key
- electronic lock – opening via password (optional)
- microprocessor electronic control
- real-time temperature graph that can be customized and always visible on the display
- precision datalogger with temperature data measurement and alarms up to 10 years, data sampling with frequency up to 30"
- n. 22 audible and visual alarms, including high and low temperature, open door, condenser cleaning, defective probes, power/backup battery failure, gas charge needed, etc
- USB port for downloading temperature and alarm data
- dry contact for remote alarm
- n. 4 temperature probes: n. 3 NTC for the temperature of cabinet, evaporator and condenser and n. 1 PT100 for controlling and alarms
- pass-through hole for performance validation (optional)
- backup battery for anti-blackout function for monitoring system (optional)
- safety thermostat for compressor cut-off with internal temperature at +2°C (optional)
- defrosting with automatic evaporation of condensate water (programmable cycles)
- evaporator ventilated with forced air
- stainless steel shelves adjustable in height
- alternative configuration: stainless steel sliding drawers with Plexiglass frontal side
- n. 4 unidirectional wheels (n. 6 for 1400 litres version) + n. 2 front mounting adjustable feet
- castors kit (optional): n. 2 turning with frontal brakes and n. 2 fixed on the back
- ecological polyurethane insulation 60 mm thick
- CFC/HCFC-free R290 refrigerant gas
- detachable power cord with Schuko plug

	FV10G1EVO	FV15G1EVO	FV20G1EVO	FV25G1EVO	FV30G1EVO	FV45G1EVO	FV52G1EVO	FV70G1EVO	FV140G2EVO
Internal volume (L)	100	150	200	250	300	450	520	700	1400
Door type (*)	Glass door	Glass door	Glass door	Glass door	Glass door	Glass door	Glass door	Glass door	Glass door
External dimensions WxDxH (cm)	60x60x86	60x60x136	60x60x156	60x60x176	60x60x196	70x80x184	70x80x204	70x80x199	140x80x199
N° of standard shelves	2	2	3	4	5	3	4	4	8
Max. n° of shelves	2	3	5	6	7	5	7	8	16

(*) Every version can be provided with solid door

**HIGH RESOLUTION
7" TRUE COLOR FULL
TOUCH SCREEN
GRAPHIC DISPLAY
WITH REAL-TIME
TEMPERATURE GRAPH**

**STANDARD WI-FI
CONNECTIVITY FOR
REMOTE DATA CONTROL
AND ACCESS (OPTIONAL)
TO A PERSONAL PORTAL
FOR DATA STORAGE AND
MONITORING, ALARM
NOTIFICATION IN THE
CLOUD**

**ILLUMINATION
MADE BY VERTICAL
LED FOR INTERNAL
COMPARTMENT**

**EXTERNAL STRUCTURE
MADE OF HOT-DIP
GALVANIZED STEEL,
CORROSION-TREATED
AND PVC-COATED**

**INTERNAL STRUCTURE
MADE OF SCOTCH
BRITE STAINLESS STEEL**



Temperature range from +2°C to +12°C

Evolution line

Double positive temperature refrigerators

- internal capacity from 300 to 1400 litres
- n. 2 self-closing insulated double glass doors
- double solid door versions available
- n. 2 safety door locks with key
- electronic lock – opening via password (optional)
- double microprocessor electronic control
- real-time temperature graphs that can be customized and always visible on the display
- precision datalogger with temperature data measurement and alarms up to 10 years, data sampling with frequency up to 30"
- n. 22 audible and visual alarms, including high and low temperature, open door, condenser cleaning, defective probes, power/backup battery failure, gas charge needed, etc
- USB port for downloading temperature and alarm data
- dry contact for remote alarm
- n. 4 temperature probes: n. 3 NTC for the temperature of cabinet, evaporator and condenser and n. 1 PT100 for controlling and alarms pass-through hole for performance validation (optional)
- backup battery for anti-blackout function for monitoring system (optional)
- safety thermostat for compressor cut-off with internal temperature at +2°C (optional)
- defrosting with automatic evaporation of condensate water (programmable cycles) for both compartments
- evaporator ventilated with forced air for both compartments
- stainless steel shelves adjustable in height for both compartments
- alternative configuration: stainless steel sliding drawers with Plexiglass frontal side
- illumination made by vertical LED for internal compartments
- n. 4 unidirectional wheels (n. 6 for 1400 litres version) + n. 2 front mounting adjustable feet
- castors kit (optional): n. 2 turning with frontal brakes and n. 2 fixed on the back
- ecological polyurethane insulation 60 mm thick
- CFC/HCFC-free R290 refrigerant gas
- detachable power cord with Schuko plug

	DTP30GEVO	DTP30CEVO	DTP70GEVO	DTP70CEVO	DTP140GEVO	DTP140CEVO
Internal volume (L)	150 + 150	150 + 150	350 + 350	350 + 350	700 + 700	700 + 700
Door type (*)	Double glass door	Double solid door	Double glass door	Double solid door	Double glass door	Double solid door
External dimensions WxDxH (cm)	60x60x197	60x60x197	70x80x204	70x80x204	140x80x199	140x80x199
N° of standard shelves	2 + 2	2 + 2	2 + 2	2 + 2	4 + 4	4 + 4
Max. n° of shelves	3 + 3	3 + 3	3 + 3	3 + 3	7 + 7	7 + 7

(*) Every version can be provided with solid door

**HIGH RESOLUTION
7" TRUE COLOR FULL
TOUCH SCREEN
GRAPHIC DISPLAY WITH
DOUBLE REAL-TIME
TEMPERATURE GRAPH**

**STANDARD WI-FI
CONNECTIVITY FOR
REMOTE DATA CONTROL
AND ACCESS (OPTIONAL)
TO A PERSONAL PORTAL
FOR DATA STORAGE AND
MONITORING, ALARM
NOTIFICATION IN THE
CLOUD**

**DOUBLE COMPARTMENT
WITH THE POSSIBILITY
TO SET DIFFERENT
POSITIVE TEMPERATURES
AT THE SAME TIME**

**EXTERNAL STRUCTURE
MADE OF HOT-DIP
GALVANIZED STEEL,
CORROSION-TREATED
AND PVC-COATED**

**INTERNAL STRUCTURE
MADE OF SCOTCH
BRITE STAINLESS STEEL**



Temperature range from +2°C to +12°C

Evolution line

Double positive and negative temperature refrigerators

- internal capacity from 300 to 1400 litres
- n. 1 self-closing insulated double glass door (for positive compartment) and n. 1 self-closing solid door (for negative compartment)
- double solid door versions available
- n. 2 safety door lock with key
- electronic lock – opening via password (optional)
- double microprocessor electronic control
- real-time temperature graph that can be customized and always visible on the display
- precision datalogger with temperature data measurement and alarms up to 10 years, data sampling with frequency up to 30"
- n. 22 audible and visual alarms, including high and low temperature, open door, condenser cleaning, defective probes, power/backup battery failure, gas charge needed, etc
- USB port for downloading temperature and alarm data
- dry contact for remote alarm
- n. 4 temperature probes: n. 3 NTC for the temperature of cabinet, evaporator and condenser and n. 1 PT100 for controlling and alarms
- pass-through hole for performance validation (optional)
- backup battery for anti-blackout function for monitoring system (optional)
- safety thermostat for compressor cut-off with internal temperature at +2°C (optional, for positive compartment)
- defrosting with automatic evaporation of condensate water (programmable cycles) for positive compartment and manual defrosting for negative compartment
- evaporator ventilated with forced air for positive compartment and static evaporator for negative compartment
- stainless steel shelves adjustable in height for positive compartment
- stainless steel drawers with Plexiglass frontal for negative compartment
- alternative configurations: stainless steel shelves or sliding drawers with Plexiglass frontal side for both compartments
- illumination made by vertical LED for positive compartment
- n. 4 unidirectional wheels (n. 6 for 1400 litres version) + n. 2 front mounting adjustable feet
- castors kit (optional): n. 2 turning with frontal brakes and n. 2 fixed on the back
- ecological polyurethane insulation 60 mm thick
- CFC/HCFC-free R290 refrigerant gas
- detachable power cord with Schuko plug

	DT28GEVO	DT28CEVO	DT70GEVO	DT70CEVO	DT140GEVO	DT140CEVO
Internal volume (L)	200 + 100	200 + 100	350 + 350	350 + 350	700 + 700	700 + 700
Door type (*)	n.1 glass door + n.1 solid door	Double solid door	n.1 glass door + n.1 solid door	Double solid door	n.1 glass door + n.1 solid door	Double solid door
External dimensions WxDxH (cm)	60x60x197	60x60x197	70x80x204	70x80x204	140x80x199	140x80x199
Standard configuration	3 + 2	3 + 2	2 + 3	2 + 3	4 + 4	4 + 4
Max. n° of shelves	5 + 2	5 + 2	4 + 3	4 + 3	8 + 8	8 + 8

(*) Every version can be provided with solid door

**HIGH RESOLUTION
7" TRUE COLOR FULL
TOUCH SCREEN
GRAPHIC DISPLAY WITH
DOUBLE REAL-TIME
TEMPERATURE GRAPH**

**STANDARD WI-FI
CONNECTIVITY FOR
REMOTE DATA CONTROL
AND ACCESS (OPTIONAL)
TO A PERSONAL PORTAL
FOR DATA STORAGE AND
MONITORING, ALARM
NOTIFICATION IN THE
CLOUD**

**DOUBLE COMPARTMENT
WITH THE POSSIBILITY
TO SET DIFFERENT
POSITIVE TEMPERATURES
AT THE SAME TIME**

**EXTERNAL STRUCTURE
MADE OF HOT-DIP
GALVANIZED STEEL,
CORROSION-TREATED
AND PVC-COATED**

**INTERNAL STRUCTURE
MADE OF SCOTCH
BRITE STAINLESS STEEL**



Temperature range: positive side from +2°C to +12°C;
negative side from -25°C -10°C

Basic line

The Basic Line of professional refrigeration equipment is designed to offer reliable solutions for operators in the hospital and pharmaceutical sectors.

POSITIVE TEMPERATURE REFRIGERATORS

Smeg Instruments' single positive temperature refrigerators offer reliable solutions for storing temperature-sensitive materials, ensuring consistent and controlled conditions.



DUAL TEMPERATURE REFRIGERATORS

These refrigerators combine efficiency and flexibility, enabling the management of two different temperatures in a single unit, ideal for environments with diverse product storage needs.

The range is composed of Dual positive temperature devices and Dual positive and negative temperature devices.

PERFORMANCE AND CONTROL



- Temperature range from +2°C to +12°C
- Front panel with soft touch user interface and LCD display
- Integrated datalogger with 46000 data record, download via USB port
- Optional 12 V backup battery for display and alarm acquisition up to 48h
- Optional +2°C safety thermostat in accordance with DIN 13277
- Optional pass-through hole for external temperature probe entry

ALARMS AND SAFETY



- Audible and visual alarm signalling
- 7 temperature and performance alarms
- Key door lock

CONNECTIVITY AND DATA MANAGEMENT



- USB port as standard for data download
- LAN port optional for real-time monitoring of the device via dedicated software
- GSM module optional for immediate warning to the operator in case of malfunctioning via SMS

STRUCTURE AND MATERIALS



- Efficient self-closing insulated door
- Internal structure in Scotch Brite stainless steel
- Ecological polyurethane foam insulation, 60 mm thick

INTERIOR AND LIGHTING



- Full height vertical LED lighting for refrigerator compartment
- Interior configuration with height-adjustable shelves

COOLING SYSTEM



- Ventilated evaporator
- Automatic defrosting with condensate water evaporation

MOBILITY AND NOISE LEVEL



- 4 unidirectional wheels, pivoting wheels as optional
- Noise level <50 dB

ELECTRICAL SPECIFICATIONS



- Electrical connection 230V 50 Hz – 60 Hz version available
- Detachable power cable with Schuko plug (UK plug available)

Optimized storage solutions: custom accessories

The **range of accessories for the Evolution and Basic refrigerators** and freezers is designed to meet the specific needs of the medical and pharmaceutical sectors. It includes both **normal and perforated drawers**, ideal for ensuring optimal management of sensitive materials, as well as both normal and perforated shelves for efficient arrangement of items. Additionally, **drawer dividers** are available for both the medical and pharmaceutical sectors, providing enhanced organization and protection for stored products. Each accessory is designed to offer practicality and safety, ensuring maximum functionality in professional environments.

	TYPE	CODE	DIMENSIONS LxD (mm)
SHELVES	Standard shelves for 100-300 litres versions	RPL1030	440x400
	Perforated shelves for 100-300 litres versions	RPL1030F	
	Standard shelves for 450-1400 litres versions	RPL45140	520x600
	Perforated shelves for 450-1400 litres versions	RPL45140F	

	TYPE	CODE	DIMENSIONS LxD (mm)
DRAWERS	Standard drawers for 100-300 litres versions	CA1030	410x395x90
	Perforated drawers for 100-300 litres versions	CA1030F	
	Standard drawers for 450-1400 litres versions	CA45140	488x600x90
	Perforated drawers for 450-1400 litres versions	CA45140F	
	Pharma drawers for 100-300 litres versions	CAPH1030	410x393x70
	Pharma perforated drawers for 100-300 litres versions	CAPH1030F	
	Pharma drawers for 450-1400 litres versions	CAPH45140	488x598x70
	Pharma perforated drawers for 450-1400 litres versions	CAPH45140F	

	TYPE	CODE	MAX. N° OF POSITIONS
SEPARATORS	Separators kit for standard drawers (n° 3)	CADI1030	7
	Separators kit for standard drawers (n° 4)	CADI45140	9
	Grid divider for pharma drawers	CADIPH1030	//
	Grid divider for pharma drawers	CADIPH45140	//

Basic line

Positive temperature refrigerators

- internal capacity from 100 to 1400 litres
- n. 1 self-closing insulated double glass door (n. 2 for 1400 litres versions)
- solid door versions available
- safety door lock with key
- microprocessor electronic control
- n. 7 audible and visual alarms: high temperature (adjustable threshold), low temperature (adjustable threshold), open door, condenser cleaning, defective probes, power failure, backup battery failure
- integrated datalogger with memory capacity of 4 MB - 46000 data record, last 20 alarms available on display
- USB port for downloading temperature and alarm data
- dry contact for remote alarm
- GSM module (optional)
- pass-through hole for performance validation (optional)
- backup battery for anti-blackout function for monitoring system (optional)
- safety thermostat for compressor cut-off with internal temperature at +2°C (optional)
- temperature chart recorder (optional)
- defrosting with automatic evaporation of condensate water (programmable cycles)
- evaporator ventilated with forced air
- stainless steel shelves adjustable in height
- alternative configuration: stainless steel sliding drawers with Plexiglass frontal side
- illumination made by vertical LED for internal compartment
- n. 4 unidirectional wheels (n. 6 for 1400 litres version) + n. 2 front mounting adjustable feet
- castors kit (optional): n. 2 turning with frontal brakes and n. 2 fixed on the back
- ecological polyurethane insulation 60 mm thick
- CFC/HCFC-free R290 refrigerant gas
- detachable power cord with Schuko plug

	FV10G1A	FV15G1A	FV20G1A	FV25G1A	FV30G1A	FV45G1A	FV52G1A	FV70G1A	FV140G2A
Internal volume (L)	100	150	200	250	300	450	520	700	1400
Door type (*)	Glass door	Glass door	Glass door	Glass door	Glass door	Glass door	Glass door	Glass door	Glass door
External dimensions WxDxH (cm)	60x60x86	60x60x136	60x60x156	60x60x176	60x60x196	70x80x184	70x80x204	70x80x199	140x80x199
N° of standard shelves	2	2	3	4	5	3	4	4	8
Max. n° of shelves	2	3	5	6	7	5	7	8	16

(*) Every version can be provided with solid door

SOFT TOUCH USER INTERFACE WITH LCD DISPLAY

ETHERNET PORT FOR LAN CONNECTION (OPTIONAL)

EXTERNAL STRUCTURE MADE OF HOT-DIP GALVANIZED STEEL, CORROSION-TREATED AND PVC-COATED

INTERNAL STRUCTURE MADE OF SCOTCH BRITE STAINLESS STEEL



Temperature range from +2°C to +12°C

Basic line

Double positive temperature refrigerators

- internal capacity from 300 to 1400 litres
- n. 2 self-closing insulated double glass doors
- double solid door versions available
- n. 2 safety door locks with key
- double microprocessor electronic control
- n. 2 silent hermetic closed-circuit compressors (independent for each compartment)
- n. 7 audible and visual alarms: high temperature (adjustable threshold), low temperature (adjustable threshold), open door, condenser cleaning, defective probes, power failure, backup battery failure
- integrated datalogger with memory capacity of 4 MB - 46000 data record, last 20 alarms available on display
- USB port for downloading temperature and alarm data
- dry contact for remote alarm
- GSM module (optional)
- pass-through hole for performance validation (optional)
- backup battery for anti-blackout function for monitoring system (optional)
- safety thermostat for compressor cut-off with internal temperature at +2°C (optional)
- double temperature chart recorder (optional)
- defrosting with automatic evaporation of condensate water (programmable cycles) for both compartments
- evaporator ventilated with forced air for both compartments
- stainless steel shelves adjustable in height for both compartments
- alternative configuration: stainless steel sliding drawers with Plexiglass frontal side
- illumination made by vertical LED for internal compartments
- n. 4 unidirectional wheels (n. 6 for 1400 litres version) + n. 2 front mounting adjustable feet
- castors kit (optional): n. 2 turning with frontal brakes and n. 2 fixed on the back
- ecological polyurethane insulation 60 mm thick
- CFC/HCFC-free R290 refrigerant gas
- detachable power cord with Schuko plug

	DTP30GA	DTP30CA	DTP70GA	DTP70CA	DTP140GA	DTP140CA
Internal volume (L)	150 + 150	150 + 150	350 + 350	350 + 350	700 + 700	700 + 700
Door type (*)	Double glass door	Double solid door	Double glass door	Double solid door	Double glass door	Double solid door
External dimensions WxDxH (cm)	60x60x197	60x60x197	70x80x204	70x80x204	140x80x199	140x80x199
N° of standard shelves	2 + 2	2 + 2	2 + 2	2 + 2	4 + 4	4 + 4
Max. n° of shelves	3 + 3	3 + 3	3 + 3	3 + 3	7 + 7	7 + 7

(*) Every version can be provided with solid door

DOUBLE SOFT TOUCH USER INTERFACE WITH LCD DISPLAY

ETHERNET PORT FOR LAN CONNECTION (OPTIONAL)

DOUBLE COMPARTMENT WITH THE POSSIBILITY TO SET DIFFERENT POSITIVE TEMPERATURES AT THE SAME TIME

EXTERNAL STRUCTURE MADE OF HOT-DIP GALVANIZED STEEL, CORROSION-TREATED AND PVC-COATED

INTERNAL STRUCTURE MADE OF SCOTCH BRITE STAINLESS STEEL



Temperature range from +2°C to +12°C

Basic line

Double positive and negative temperature refrigerators

- internal capacity from 300 to 1400 litres
- n. 1 self-closing insulated double glass door (positive chamber) and n. 1 self-closing solid door (negative chamber)
- n. 2 safety door locks with key
- double microprocessor electronic control
- n. 2 silent hermetic closed-circuit compressors (independent for each compartment)
- n. 7 audible and visual alarms: high temperature (adjustable threshold), low temperature (adjustable threshold), open door, condenser cleaning, defective probes, power failure, backup battery failure
- integrated datalogger with memory capacity of 4 MB - 46000 data record, last 20 alarms available on display
- USB port for downloading temperature and alarm data
- dry contact for remote alarm
- GSM module (optional)
- pass-through hole for performance validation (optional)
- backup battery for anti-blackout function for monitoring system (optional)
- safety thermostat for compressor cut-off with internal temperature at +2°C (optional, for positive compartment)
- double temperature chart recorder (optional)
- defrosting with automatic evaporation of condensate water (programmable cycles) for positive compartment and manual defrosting for negative compartment
- evaporator ventilated with forced air for positive compartment and static evaporator for negative compartment
- stainless steel shelves adjustable in height for positive compartment
- stainless steel sliding drawers with Plexiglass frontal for negative compartment
- alternative configurations: stainless steel shelves or sliding drawers with Plexiglass frontal side for both compartments
- illumination made by vertical LED for positive compartment
- n. 4 unidirectional wheels (n. 6 for 1400 litres version) + n. 2 front mounting adjustable feet
- castors kit (optional): n. 2 turning with frontal brakes and n. 2 fixed on the back
- ecological polyurethane insulation 60 mm thick
- CFC/HCFC-free R290 refrigerant gas
- detachable power cord with Schuko plug

	DT28GA	DT28CA	DT70GA	DT70CA	DT140GA	DT140CA
Internal volume (L)	200 + 100	200 + 100	350 + 350	350 + 350	700 + 700	700 + 700
Door type (*)	n.1 glass door + n.1 solid door	Double solid door	n.1 glass door + n.1 solid door	Double solid door	n.1 glass door + n.1 solid door	Double solid door
External dimensions WxDxH (cm)	60x60x197	60x60x197	70x80x204	70x80x204	140x80x199	140x80x199
Standard configuration	3 + 2	3 + 2	2 + 3	2 + 3	4 + 4	4 + 4
Max. n° of shelves	5 + 2	5 + 2	4 + 3	4 + 3	8 + 8	8 + 8

(*) Every version can be provided with solid door

DOUBLE SOFT TOUCH USER INTERFACE WITH LCD DISPLAY

ETHERNET PORT FOR LAN CONNECTION (OPTIONAL)

DOUBLE COMPARTMENT WITH THE POSSIBILITY TO SET DIFFERENT POSITIVE TEMPERATURES AT THE SAME TIME

EXTERNAL STRUCTURE MADE OF HOT-DIP GALVANIZED STEEL, CORROSION-TREATED AND PVC-COATED

INTERNAL STRUCTURE MADE OF SCOTCH BRITE STAINLESS STEEL



Temperature range: positive side from +2°C to +12°C; negative side from -25°C -10°C

Essential Line

Pure performance, simply reliable

The Essential line embodies the essence of medical refrigeration: essential functions, consistent precision, and everyday reliability. A concentrate of efficiency designed to ensure safety and uncompromising performance.



Made in Italy

TAILOR-MADE SOLUTIONS FOR HOSPITALS

Smeg Instruments, with its headquarters and production plant located in the heart of Italy, has always been synonymous with innovation and quality, presents a complete range of refrigeration solutions designed to meet the specific needs of these industries.

PERFORMANCE AND CONTROL



- Temperature range from +2°C to +12°C
- Electronic microprocessor control
- Front panel with Touch digit display
- Alarm history with data logging up to 4 months
- Optional 12 V backup battery for display and alarm acquisition up to 48h
- Optional +2°C safety thermostat in accordance with DIN 13277

ALARMS AND SAFETY



- Audible and visual alarm signalling
- High/low temperature alarms (adjustable threshold), door open, power failure, high condensation, and defective probes
- Key door lock

CONNECTIVITY AND DATA MANAGEMENT



- Bluetooth connectivity as standard for remote data download directly to smartphone or tablet via dedicated application

STRUCTURE AND MATERIALS



- Reversible flush door
- Internal structure in white PVC-coated galvanized sheet metal
- Ecological polyurethane foam insulation, 60 mm thick (40 mm for 126-liter version)

INTERIOR AND LIGHTING



- LED lighting for refrigerator compartment
- Interior configuration with height-adjustable flush grid shelves (quantity varies depending on version)

COOLING SYSTEM



- Static-ventilated evaporator
- Automatic defrosting with condensate water evaporation

MOBILITY AND NOISE LEVEL



- 4 unidirectional wheels
- Noise level <50 dB

ELECTRICAL SPECIFICATIONS



- Electrical connection 230V 50/60 Hz – 245 W
- Detachable power cable with Schuko plug (UK plug available on request)

Bluetooth connectivity:
simplicity, efficiency, control

Thanks to built-in Bluetooth connectivity, the refrigerators of the Essential line allow **remote download of data** directly to smartphones or tablets in a quick and secure way.

A concrete advantage for those who work in environments where precision and traceability are essential:

- Immediate access to operating data and temperature history.
- Reduction of intervention and maintenance times.
- No additional wiring.
- Simple and intuitive management.

APPLICA: always in control

APPLICA is the CAREL app designed to make **management, maintenance and monitoring** of the device even simpler, faster and safer.

Thanks to the **Bluetooth® connection**, interaction with the unit's electronic control takes place without additional tools, directly from a smartphone or tablet, allowing you to:

- Access a **multilingual interface**.
- Manage **customizable parameters**, profiles or configurations.
- View and export **real-time and/or historical data** and trends.



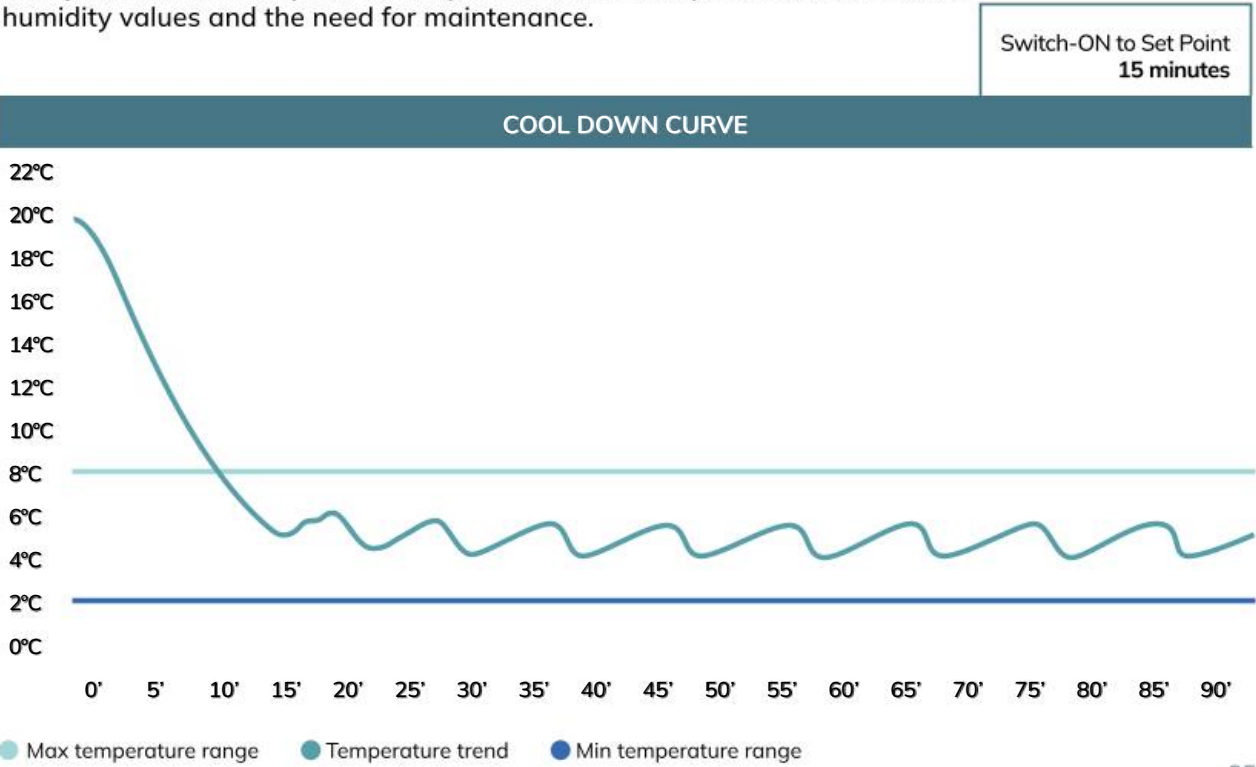
Consumption and performance

The new professional refrigerators of the Essential line combine reliable performance and **maximum energy efficiency**, guaranteeing concrete savings every day. A result that translates into lower management costs, **reduced environmental impact** and greater operational sustainability, without ever compromising the quality of conservation.

Version	Consumption [kW/24h]
FVE12CL	0,40
FVE12GL	0,47
FVE20CL	0,63
FVE20GL	0,78
FVE30CL	1,01
FVE30GL	1,24
FVE52CL	1,23
FVE52GL	1,53

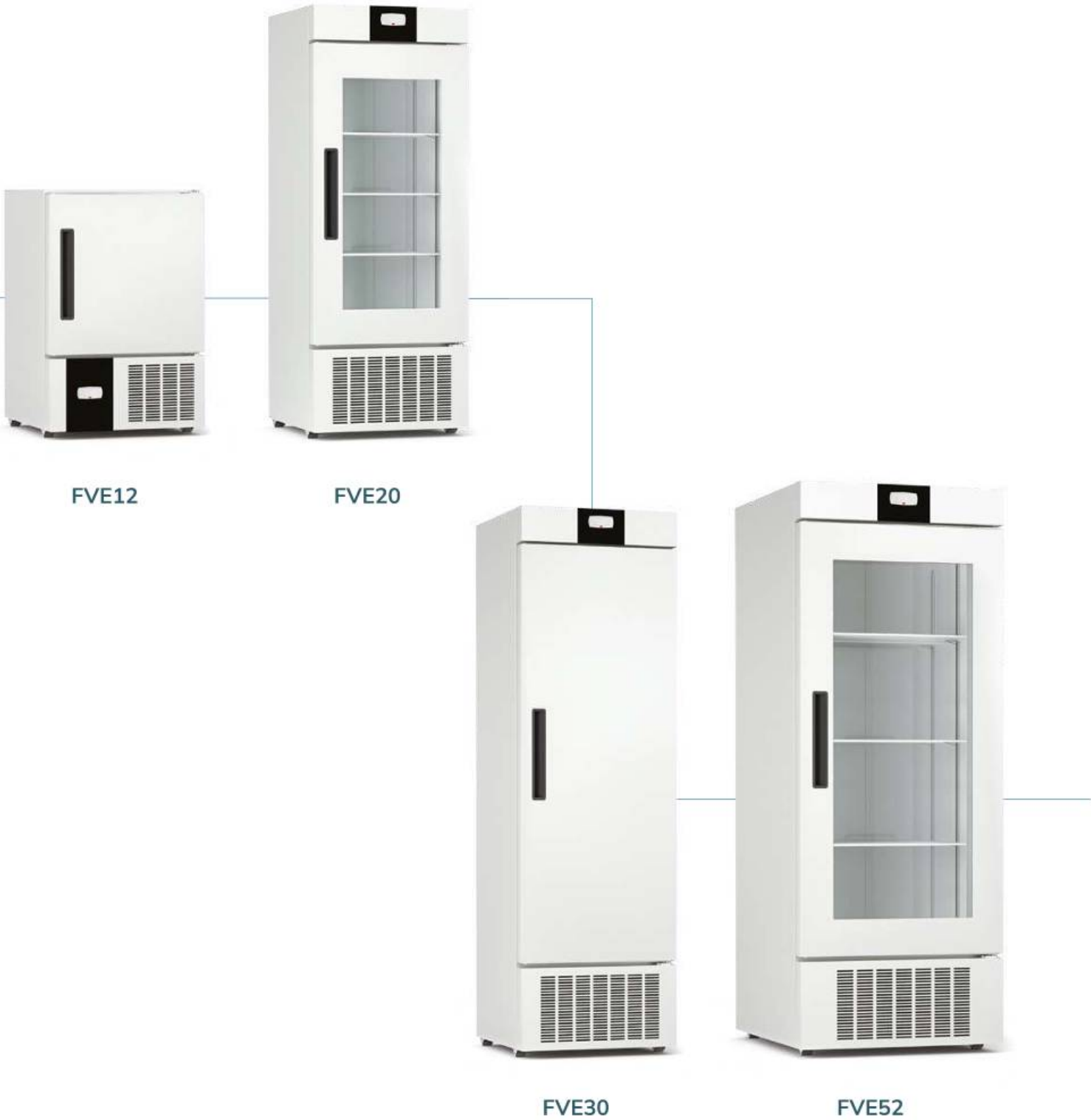
Efficiency and temperature uniformity

The “**anti-stratification**” technology applied ensures a perfect distribution of cold in every point of the compartment. The result is a temperature always uniform, which protects the preservation of the products and reduces humidity values and the need for maintenance.



Full range

The **FVE** range of medical refrigerators is available in various capacities and configurations to meet every professional storage need. Models differ in internal volume, door type, and number of shelves, ranging from a minimum height of 500 mm to 1400 mm to suit different capacity and installation requirements.



Version	CAPACITY [l]	DOOR TYPE	EXTERNAL DIMENSIONS (WxDxH) [cm]	INTERNAL DIMENSIONS (WxDxH) [cm]	N° STANDARD SHELVES	N° SHELVES MAX
FVE12CL	126	Solid	600x600x860	515x485x500	2	2
FVE12GL	126	Glass	600x600x860	515x485x500	2	2
FVE20CL	200	Solid	600x600x1490	475x465x920	3	5
FVE20GL	200	Glass	600x600x1490	475x465x920	3	5
FVE30CL	300	Solid	600x600x1890	475x465x1320	3	6
FVE30GL	300	Glass	600x600x1890	475x465x1320	3	6
FVE52CL	520	Solid	700x800x1965	575x670x1400	3	6
FVE52GL	520	Glass	700x800x1965	575x670x1400	3	6

02. Advanced freezing Freezers

Advanced freezing is essential in medical and laboratory environments, as it ensures long-term preservation of biological samples, reagents, and sensitive materials without compromising their structural or chemical integrity. Ultra-stable low-temperature conditions support reliable research, diagnostics, and clinical workflows.

Smeg Instruments high-performance freezing technologies are developed to preserve the integrity and quality of samples and sensitive materials through precise and rigorous temperature control.



Available versions:

EVOLUTION LINE

Smeg Instruments professional freezers are designed to ensure the safe and effective storage of medical and biological products at low temperatures, with a range of capacities and solutions for every need.



BASIC LINE

Smeg Instruments professional freezers ensure secure, effective storage of medical and biological products at low temperatures, with a variety of capacities and solutions tailored to meet different needs.



ESSENTIAL LINE

Smeg Instruments ultra-low temperature freezers are ideal for a wide range of professional applications that require precise and secure storage at extremely low temperatures. These units are particularly suited for the medical, pharmaceutical, and biotechnology sectors, where it is essential to maintain samples, vaccines, plasma, cells, and other biological materials at optimal freezing temperatures.



Evolution line

Professional freezers

- internal capacity from 100 to 1400 litres
- n. 1 self-closing solid door (n. 2 for 1400 litres versions)
- safety door lock with key (except for C40S60C1EVO model)
- electronic lock – opening via password (optional)
- microprocessor electronic control
- real-time temperature graph that can be customized and always visible on the display
- precision datalogger with temperature data measurement and alarms up to 10 years, data sampling with frequency up to 30"
- n. 22 audible and visual alarms, including high and low temperature, open door, condenser cleaning, defective probes, power/backup battery failure, gas charge needed, etc
- USB port for downloading temperature and alarm data
- dry contact for remote alarm
- n. 4 temperature probes: n. 3 NTC for the temperature of cabinet, evaporator and condenser and n. 1 PT100 for controlling and alarms
- pass-through hole for performance validation (optional)
- backup battery for anti-blackout function for monitoring system (optional)
- automatic or manual defrosting, depending on the model (see table below)
- static or ventilated evaporator, depending on the model (see table below)
- stainless steel shelves or sliding drawers with Plexiglass frontal side, depending on the model (see table below)
- n. 4 unidirectional wheels (n. 6 for 1400 litres version) + n. 2 front mounting adjustable feet
- castors kit (optional): n. 2 turning with frontal brakes and n. 2 fixed on the back
- ecological polyurethane insulation 60/80/100mm thick, depending on the model (see table below)
- CFC/HCFC-free R290 refrigerant gas
- detachable power cord with Schuko plug

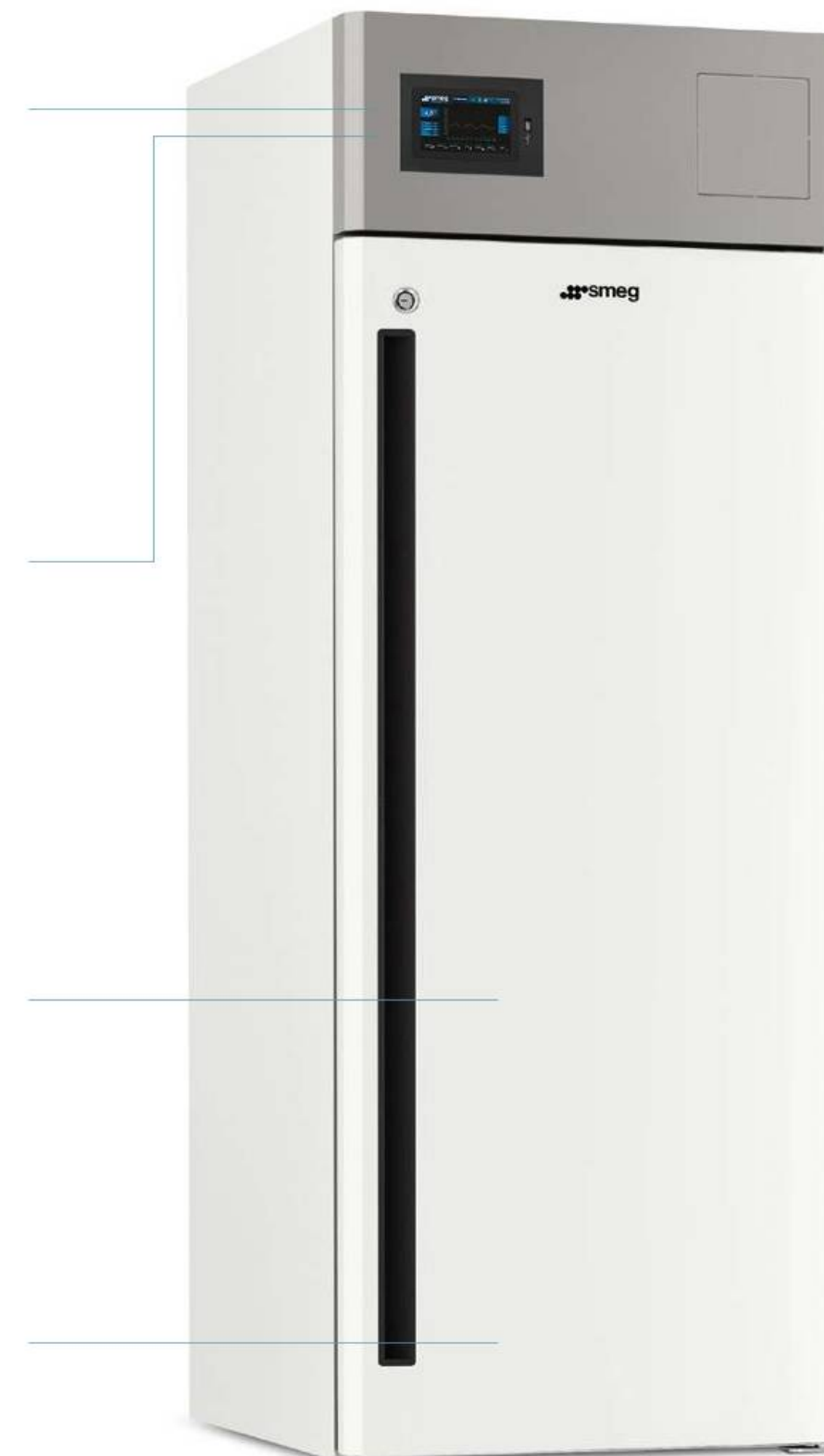
	C20V10 C1EVO	C30S16 C1EVO	C30S22 C1EVO	C30S25 C1EVO	C30S32 C1EVO	C40S60 C1EVO	C25V70 C1EVO	C30V70 C1EVO	C25V140 C2EVO
Internal volume (L)	100	160	220	250	320	600	700	700	1400
Temperature range (°C)	-25/-10	-32/-10	-32/-10	-32/-10	-32/-10	-42/-10	-25/-10	-32/-10	-25/-10
Insulation thickness (mm)	60	80	80	80	80	100	60	60	60
Defrosting system	manual	manual	manual	manual	manual	manual	automatic	automatic	automatic
Evaporator	static	static	static	static	static	static	ventilated	ventilated	ventilated
External dimensions WxDxH (cm)	60x60x86	64x62x140	64x62x160	64x62x180	64x62x200	78x84x193	70x80x199	70x80x199	140x80x199
Standard (Max) configuration	2 drawers	3 drawers	4 drawers	5 drawers	6 drawers	6 drawers	4 (7) shelves	4 (7) shelves	8 (14) shelves

HIGH RESOLUTION
7" TRUE COLOR FULL
TOUCH SCREEN
GRAPHIC DISPLAY
WITH REAL-TIME
TEMPERATURE GRAPH

STANDARD WI-FI
CONNECTIVITY FOR
REMOTE DATA CONTROL
AND ACCESS (OPTIONAL)
TO A PERSONAL PORTAL
FOR DATA STORAGE AND
MONITORING, ALARM
NOTIFICATION IN
THE CLOUD

EXTERNAL STRUCTURE
MADE OF HOT-DIP
GALVANIZED STEEL,
CORROSION-TREATED
AND PVC-COATED

INTERNAL STRUCTURE
MADE OF SCOTCH
BRITE STAINLESS STEEL



Temperature range: positive side from -25 /-32 /-40°C to -10°C

Basic line

Professional freezers

- internal capacity from 100 to 1400 litres
- n. 1 self-closing solid door (n. 2 for 1400 litres version)
- safety door lock with key
- microprocessor electronic control
- audible and visual alarms
- n. 7 different alarms: high temperature (adjustable threshold), low temperature (adjustable threshold), open door, condenser cleaning, defective probes, power failure, backup battery failure
- integrated datalogger with memory capacity of 4 MB - 46000 data record, last 20 alarms available on display
- USB port for downloading temperature and alarm data
- dry contact for remote alarm
- GSM module (optional)
- pass-through hole for performance validation (optional)
- backup battery for anti-blackout function for monitoring system (optional)
- temperature chart recorder (optional)
- automatic or manual defrosting, depending on the model (see table below)
- static or ventilated evaporator, depending on the model (see table below)
- stainless steel shelves or sliding drawers with Plexiglass frontal side, depending on the model (see table below)
- n. 4 unidirectional wheels (n. 6 for 1400 litres version) + n. 2 front mounting adjustable feet
- castors kit (optional): n. 2 turning with frontal brakes and n. 2 fixed on the back
- ecological polyurethane insulation 60/80/100 mm thick, depending on the model (see table below)
- CFC/HCFC-free R290 refrigerant gas
- detachable power cord with Schuko plug

	C20V10 C1A	C30S16 C1A	C30S22 C1A	C30S25 C1A	C30S32 C1A	C40S60 C1A	C25V70 C1A	C30V70 C1A	C25V140 C2A
Internal volume (L)	100	160	220	250	320	600	700	700	1400
Temperature range (°C)	-25/-10	-32/-10	-32/-10	-32/-10	-32/-10	-42/-10	-25/-10	-32/-10	-25/-10
Insulation thickness (mm)	60	80	80	80	80	100	60	60	60
Defrosting system	manual	manual	manual	manual	manual	manual	automatic	automatic	automatic
Evaporator	static	static	static	static	static	static	ventilated	ventilated	ventilated
External dimensions WxDxH (cm)	60x60x86	64x62x140	64x62x160	64x62x180	64x62x200	78x84x193	70x80x199	70x80x199	140x80x199
Standard (Max) configuration	2 drawers	3 drawers	4 drawers	5 drawers	6 drawers	6 drawers	4 (7) shelves	4 (7) shelves	8 (14) shelves

SOFT TOUCH USER
INTERFACE WITH LCD
DISPLAY

ETHERNET PORT FOR
LAN CONNECTION
(OPTIONAL)

EXTERNAL STRUCTURE
MADE OF HOT-DIP
GALVANIZED STEEL,
CORROSION-TREATED
AND PVC-COATED

INTERNAL STRUCTURE
MADE OF SCOTCH
BRITE STAINLESS STEEL



Temperature range: positive side from -25 /-32 /-40°C to -10°C

Essential line

Professional ultra-low temperature freezers

- internal capacity of 50 or 678 litres
- n. 1 solid door (SMU678 model is provided with n. 4 different inner compartments with dedicated door)
- safety door lock with key
- microprocessor electronic control
- audible and visual alarms
- n. 7 different alarms: high/low temperature (modifiable threshold), high ambient temperature, power failure, backup battery failure, probe sensor failure, USB datalogger failure, condenser cooling failure
- n. 4 additional alarms for SMU678 model: door ajar, main board communication error, remote alarm, samples out of date
- datalogger with temperature data measurement and alarms up to 1 year, data sampling with frequency up to 1'
- USB port for data download
- dry contact for remote alarm
- manual defrosting
- static evaporator
- AISI 304 stainless steel shelves adjustable in height (for SMU678 model only)
- n. 4 casters + n. 2 front mounting adjustable feet
- external structure made of PCM precoated steel plate
- ecological polyurethane insulation 110 mm thick (130 mm for SMU678 model)
- refrigerant gas: R601+R600a+R290+R170+R1150+R50
- detachable power cord with Schuko plug

	SMU50	SMU678
Internal volume (L)	50	678
Display	LCD	7" touch screen
Door type	Solid door, with top opening	Solid door
External dimensions WxDxH (cm)	65x61x108	109x102,5x196,5
Standard configuration	1 chest	4 compartments
N° of standard shelves	-	4

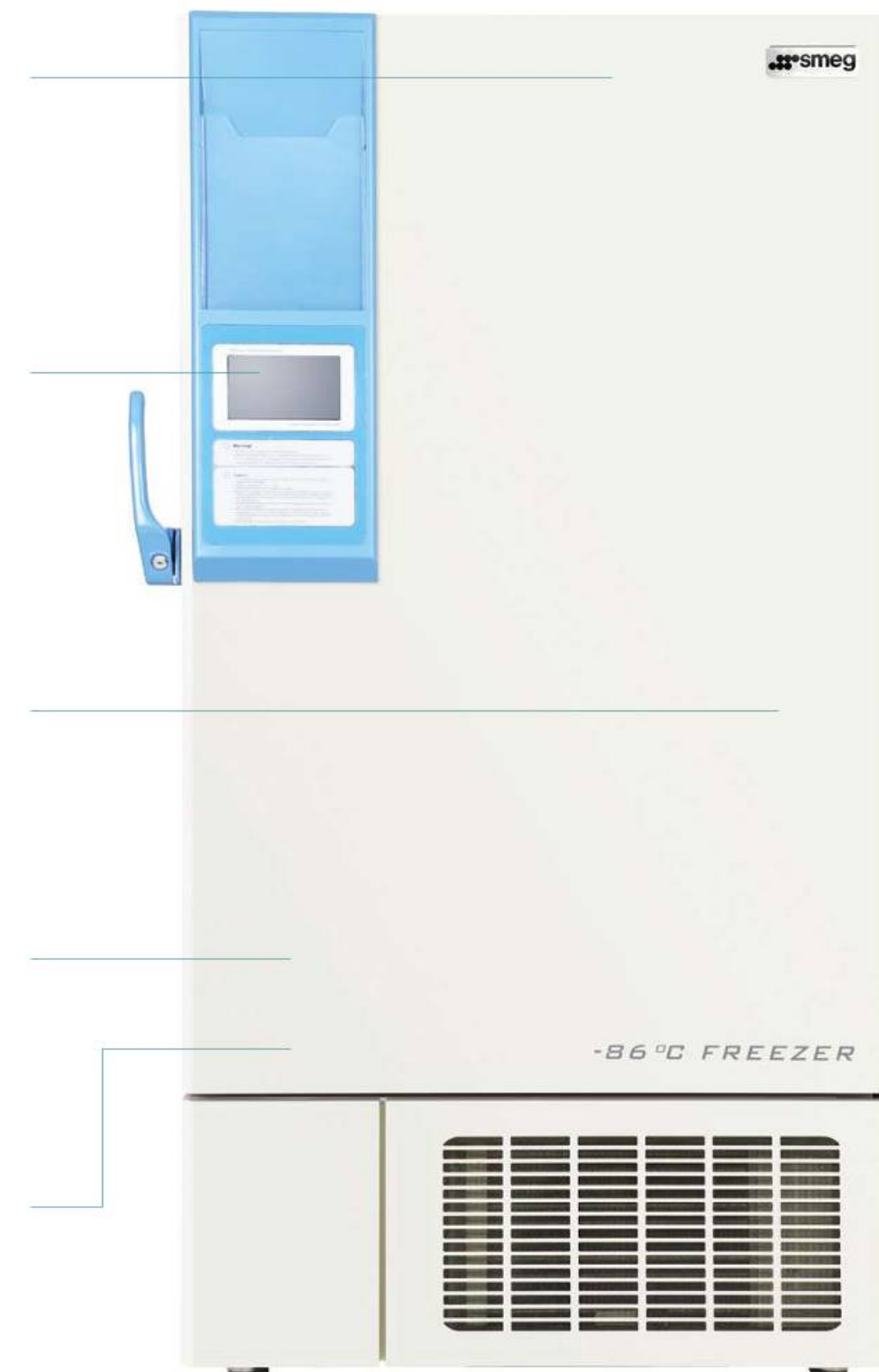
PASS-THROUGH HOLE FOR PERFORMANCE VALIDATION (N. 3 FOR SMU678 MODEL)

USER INTERFACE WITH TOUCH SCREEN 7" DISPLAY FOR SMU678 MODEL; LCD DIGITAL DISPLAY FOR SMU50 MODEL

BACKUP BATTERY FOR ANTI-BLACKOUT FUNCTION FOR MONITORING SYSTEM

INTERNAL STRUCTURE MADE OF AISI304 STAINLESS STEEL

STANDARD CONFIGURATION: 1 CHEST FOR SMU50 MODEL; 4 COMPARTMENTS FOR SMU678 MODEL



Temperature range from -40°C to -86°C

03. Blood management

Blood banks and plasma freezers

Blood management is a critical component of healthcare, as the quality and safety of blood products directly impact patient outcomes. Proper storage, monitoring, and handling ensure that whole blood, plasma, and related components maintain their hematological stability and remain fully traceable throughout every step of the clinical pathway. Reliable blood management safeguards both emergency responsiveness and routine transfusion needs. Smeg Instruments supports these processes with advanced blood bank refrigerators and plasma freezers, engineered to maintain consistent temperature values, ensure product integrity, and meet stringent international standards for medical cold storage. Advanced systems for the management and conservation of blood, designed to guarantee traceability, hematological stability, and maximum safety throughout the entire clinical workflow.



SAFE STORAGE OF BLOOD BAGS

In the realm of healthcare, the safe storage of blood and plasma is critical to ensuring the efficacy and safety of transfusions. Smeg Instruments is dedicated to providing state-of-the-art solutions for blood banks, plasmafreezers, and related facilities.



REFRIGERATION TECHNOLOGY

The advanced refrigeration and freezing technology is specifically designed to maintain optimal conditions for the preservation of blood components.



FOCUS ON CONTROL

By combining precision temperature control with robust safety features, Smeg Instruments ensures that every unit is equipped to handle the delicate nature of these vital materials.



APPLICATIONS

From hospitals and blood treatment centers to research institutions, our products offer unmatched reliability and performance, reflecting the corporate commitment to supporting the global healthcare community in its mission to save lives.

Certification and compliance

Smeg's DM equipment, including Plasma Freezers and Blood Banks, is officially listed in the Italian National Register of Medical Devices and is certified in accordance with the 2017/745 Medical Device Regulation (MDR), Class IIa.

Innovative solutions for maximum security in bags storage

- TEMPERATURE STABILITY AND UNIFORMITY**
 Smeg equipment is engineered with advanced refrigeration systems to rapidly achieve and maintain the target temperature with remarkable stability and uniformity. The microprocessor-controlled systems allow precise customization of set points with a resolution of $\pm 0.1^{\circ}\text{C}$.
- MAXIMUM SAFETY**
 Constructed with hot-dip galvanized steel and anti-corrosion treated PVC film, the external structures ensure durability. Internally, the Scotch-Brite stainless steel provides a hygienic and resilient environment. Eco-friendly, CFC-free polyurethane insulation enhances preservation and energy efficiency.
- SECURITY AND IMMEDIATE TRACEABILITY**
 Smeg blood management solutions are equipped with both visual and audible alarms to notify of any issues, including temperature deviations, communication failures, door openings, and power interruptions. A backup battery maintains temperature and alarm records even during power outages, ensuring continuous monitoring.
- OPTIMIZATION OF INTERNAL SPACES**
 Models feature Scotch-Brite stainless steel drawers with telescopic ballbearing slides and plexiglass fronts, maximizing storage efficiency and accessibility.



Evolution line

Blood bank refrigerators

- temperature range from +2°C to +6°C - factory preset to +4°C
- internal volume from 100 to 1400 litres
- n. 1 self-closing insulated double glass door (n. 2 for 1400 litres version)
- hinges for door opening on right side (possibility to indicate left side when ordering)
- safety door lock with key
- microprocessor electronic control
- real-time temperature graph that can be customized and always visible on the display
- full Led technology with variable intensity
- n. 4 selectable languages (Italian, English, French and Spanish)
- audible and visual alarms
- n. 22 audible and visual alarms, including high and low temperature, open door, condenser cleaning, defective probes, power/backup battery failure, gas charge needed, etc
- precision datalogger with temperature data measurement and alarms up to 10 years, data sampling with frequency up to 30"
- ability to recall historical data and view them on the display in graphical form
- USB port for downloading temperature and alarm data
- n. 4 temperature probes: no. 3 NTC for the temperature of cabinet, evaporator and condenser and 1 PT100 for controlling and alarms
- defrosting with automatic evaporation of condensate water (programmable cycles)
- evaporator ventilated with forced air
- scotch-brite stainless steel drawers with telescopic ball-bearing slides and Plexiglass frontal side
- n. 4 wheels (6 for 1400 litres version) + n. 2 front mounting adjustable feet
- ecological polyurethane insulation 60 mm thick
- CFC-free R452a refrigerant gas. CFC/HCFC-free R290 refrigerant gas for European countries
- electrical connection: 1/N/PE 230 V - 50 Hz - 245 W
- detachable power cord with Schuko plug
- medical device according to (EU) Regulation 2017/745 (Annex IX) class IIa

	FE10G1 EVO	FE15G1 EVO	FE20G1 EVO	FE25G1 EVO	FE30G1 EVO	FE45G1 EVO	FE52G1 EVO	FE70G1 EVO	FE140G2 EVO
Internal volume (L)	100	150	200	250	300	450	520	700	1400
N° of bags	64	96	128	160	192	275	330	385	770
Display	7" True Color touch screen	7" True Color touch screen	7" True Color touch screen	7" True Color touch screen	7" True Color touch screen	7" True Color touch screen	7" True Color touch screen	7" True Color touch screen	7" True Color touch screen
External dimensions WxDxH (cm)	60x60x86	60x60x136	60x60x156	60x60x176	60x60x196	70x80x184	70x80x204	70x80x199	140x80x199
Standard drawers	2	3	4	5	6	5	6	7	14

HIGH RESOLUTION
7" TRUE COLOR FULL
TOUCH SCREEN
GRAPHIC DISPLAY

BACKUP BATTERY FOR
TEMPERATURE
VISUALIZATION AND
ALARMS ACQUISITION
UP TO 48H WITHOUT
POWER CONNECTION

SAFETY THERMOSTAT
FOR COMPRESSOR
CUT-OFF WITH INTERNAL
TEMPERATURE AT +2°C
(ANTI-FREEZE FUNCTION)

ILLUMINATION MADE BY
VERTICAL LED

INTERNAL STRUCTURE
MADE OF SCOTCH
BRITE STAINLESS STEEL

STANDARD WI-FI
CONNECTIVITY
FOR REMOTE DATA
CONTROL AND ACCESS
(OPTIONAL, WHERE
AVAILABLE) TO
A PERSONAL PORTAL
FOR DATA STORAGE
AND MONITORING,
ALARM NOTIFICATION
IN THE CLOUD



Basic line

Blood bank refrigerators

- temperature range from +2°C to +6°C - factory preset to +4°C
- internal volume from 100 to 1400 litres
- n. 1 self-closing insulated double glass door (n. 2 for 1400 litres version)
- hinges for door opening on right side (possibility to indicate left side when ordering)
- safety door lock with key
- microprocessor electronic control
- n. 4 languages available (Italian, English, French, Spanish)
- memory capacity of 4 MB - 46000 data record, last 20 alarms available on display
- audible and visual alarms
- n. 7 different alarms: high temperature (adjustable threshold), low temperature (adjustable threshold), open door, condenser cleaning, probes defective, power failure, backup battery failure
- temperature chart recorder (optional)
- USB port for data downloading
- GSM module (optional)
- Ethernet port for LAN connection (optional)
- defrosting with automatic evaporation of condensate water (programmable cycles)
- evaporator ventilated with forced air
- scotch-brite stainless steel drawers with telescopic ball-bearing slides and Plexiglass frontal side
- n. 4 wheels (6 for 1400 litres version) + n. 2 front mounting adjustable feet
- ecological polyurethane insulation 60 mm thick
- CFC-free R452a refrigerant gas. CFC/HCFC-free R290 refrigerant gas for European countries
- electrical connection: 1/N/PE 230 V - 50 Hz - 245 W
- detachable power cord with Schuko plug
- medical device according to (EU) Regulation 2017/745 (Annex IX) class IIa

	FE10G1A	FE15G1A	FE20G1A	FE25G1A	FE30G1A	FE45G1A	FE52G1A	FE70G1A	FE140G2A
Internal volume (L)	100	150	200	250	300	450	520	700	1400
N° of bags	64	96	128	160	192	275	330	385	770
Display	Soft touch LCD display	Soft touch LCD display	Soft touch LCD display	Soft touch LCD display	Soft touch LCD display	Soft touch LCD display	Soft touch LCD display	Soft touch LCD display	Soft touch LCD display
External dimensions WxDxH (cm)	60x60x86	60x60x136	60x60x156	60x60x176	60x60x196	70x80x184	70x80x204	70x80x199	140x80x199
Standard drawers	2	3	4	5	6	5	6	7	14

SOFT TOUCH USER INTERFACE WITH LCD DISPLAY

BACKUP BATTERY FOR TEMPERATURE VISUALIZATION AND ALARMS ACQUISITION UP TO 48H WITHOUT POWER CONNECTION

SAFETY THERMOSTAT FOR COMPRESSOR CUT-OFF WITH INTERNAL TEMPERATURE AT +2°C (ANTI-FREEZE FUNCTION)

ILLUMINATION MADE BY VERTICAL LED

INTERNAL STRUCTURE MADE OF SCOTCH BRITE STAINLESS STEEL



Evolution line

Plasma freezer

- temperature range from -32 °C to -25 °C (from -42°C to -30°C for 600 and 700 litres versions)
- internal volume from 160 to 700 litres
- n. 1 blind self-closing door, hinges for door opening on right side (possibility to indicate left side when ordering)
- safety door lock with key
- microprocessor electronic control
- real-time temperature graph that can be customized and always visible on the display
- full Led technology with variable intensity
- n. 4 selectable languages (Italian, English, French and Spanish)
- audible and visual alarms
- n.11 alarms: high and low temperature, open door, condenser cleaning, probes defective, power/backup battery failure, gas charge needed, etc
- precision datalogger with temperature data measurement and alarms up to 10 years, data sampling with frequency up to 30"
- USB port for downloading temperature and alarm data
- n. 4 temperature probes: n. 3 NTC for the temperature of cabinet, evaporator and condenser and 1 PT100 for controlling and alarms
- ability to recall historical data and view them on the display in graphical form
- evaporator static type
- manual defrosting
- scotch-brite stainless steel drawers adjustable in height with telescopic ball-bearing slides and Plexiglass frontal side. Optional Plexiglass internal dividers
- n. 4 wheels + n. 2 front mounting adjustable feet
- ecological polyurethane insulation 80 mm thick
- CFC-free R452a refrigerant gas. CFC/HCFC-free R290 refrigerant gas for European countries
- electrical connection: 1/N/PE 230 V - 50 Hz - 450 W
- detachable power cord with Schuko plug
- Medical device certification according to (EU) Regulation 2017/745 (Annex IX) class IIa

	CP30S16C1EVO	CP30S22C1EVO	CP30S25C1EVO	CP30S32C1EVO	CP40S60C1EVO	CP40S70C1EVO
Internal volume (L)	160	220	250	320	600	700
N° of bags	96	128	160	192	300	330
Temperature range (°C)	-32 / -25	-32 / -25	-32 / -25	-32 / -25	-42 / -30	-42 / -30
Display	7" True Color touch screen	7" True Color touch screen	7" True Color touch screen	7" True Color touch screen	7" True Color touch screen	7" True Color touch screen
External dimensions WxDxH (cm)	64x62x140	64x62x160	64x62x180	64x62x200	78x84x193	88x90x203
Standard drawers	3	4	5	6	6	6

HIGH RESOLUTION 7" TRUE COLOR FULL TOUCH SCREEN GRAPHIC DISPLAY

BACKUP BATTERY FOR TEMPERATURE VISUALIZATION AND ALARMS ACQUISITION UP TO 48H WITHOUT POWER CONNECTION

INTERNAL STRUCTURE MADE OF SCOTCH BRITE STAINLESS STEEL

STANDARD WI-FI CONNECTIVITY FOR REMOTE DATA CONTROL AND ACCESS (OPTIONAL, WHERE AVAILABLE) TO A PERSONAL PORTAL FOR DATA STORAGE AND MONITORING, ALARM NOTIFICATION IN THE CLOUD



Basic line

Plasma freezer

- temperature range from -32 °C to -25 °C (from -42°C to -30°C for 600 and 700 litres versions)
- internal volume from 160 to 700 litres
- n. 1 blind self-closing door
- hinges for door opening on right side (possibility to indicate left side when ordering)
- n. 1 safety door lock with key
- microprocessor electronic control
- n. 4 languages available (Italian, English, French, Spanish)
- memory capacity of 4 MB - 46000 data record, last 20 alarms available on display
- audible and visual alarms
- n. 7 different alarms: high temperature (adjustable threshold), low temperature (adjustable threshold), open door, condenser cleaning, probes defective, power failure, backup battery failure
- USB port for data downloading
- GSM module (optional)
- Ethernet port for LAN connection (optional)
- weekly temperature chart recorder (optional)
- evaporator static type
- manual defrosting
- scotch-brite stainless steel drawers adjustable in height with telescopic ball-bearing slides and Plexiglass frontal side. Optional Plexiglass internal dividers
- n. 4 wheels + n. 2 front mounting adjustable feet
- ecological polyurethane insulation 80 mm thick
- electrical connection: 1/N/PE 230 V - 50 Hz - 450 W
- detachable power cord with Schuko plug
- Medical device certification according to (EU) Regulation 2017/745 (Annex IX) class IIa

	CP30S16C1A	CP30S22C1A	CP30S25C1A	CP30S32C1A	CP40S60C1A	CP40S70C1A
Internal volume (L)	160	220	250	320	600	700
N° of bags	96	128	160	192	300	330
Temperature range (°C)	-32 / -25	-32 / -25	-32 / -25	-32 / -25	-42 / -30	-42 / -30
Display	Soft touch LCD display	Soft touch LCD display	Soft touch LCD display	Soft touch LCD display	Soft touch LCD display	Soft touch LCD display
External dimensions WxDxH (cm)	64x62x140	64x62x160	64x62x180	64x62x200	78x84x193	88x90x203
Standard drawers	3	4	5	6	6	6

SOFT TOUCH USER INTERFACE WITH LCD DISPLAY

BACKUP BATTERY FOR TEMPERATURE VISUALIZATION AND ALARMS ACQUISITION UP TO 48H WITHOUT POWER CONNECTION

INTERNAL STRUCTURE MADE OF SCOTCH BRITE STAINLESS STEEL



Blood banks and plasma freezers

The Smeg range of **blood bank refrigerators and plasma freezers** responds to different storage needs for sensitive materials. With **capacities ranging from 100 to 1400 litres**, the devices are designed to adapt to any space, from small hospital units to large research departments. This flexibility allows space optimisation and guarantees maximum safety and quality in bag storage.

BLOOD BANK REFRIGERATORS

Available with
 150, 200, 250, 450, 520 l capacity



	FE10G1EVO	FE30G1EVO	FE70G1EVO	FE140G2EVO
Capacity	100 L	300 L	700 L	1400 L
Bag storage	64	192	285	770

PLASMA FREEZERS

Available with 220 and 700 l capacity



	CP30S16C1EVO	CP30S25C1EVO	CP30S32C1EVO	CP40S60C1EVO
Capacity	160 L	250 L	320 L	600 L
Bag storage	96	160	192	300

Founded in 1948, SMEG, whose name stands for 'Smalterie Metallurgiche Emiliane Guastalla', is a proudly Italian company renowned for the responsible production of creations that combine Made in Italy technology and design. Having consolidated its position in the household appliances sector, Smeg has expanded its business with 2 professional divisions.

The Instruments division, dedicated to professionals in the medical, pharmaceutical, laboratory and care sectors, offers technologically advanced solutions for refrigeration, washing and disinfection.

The Professional division, dedicated to professionals in the Ho.Re.Ca. sector, offers a wide range of high performance washing, cooking and refrigeration solutions.

The SMEG S.p.A. Group is today recognized internationally as a point of excellence of Made in Italy.



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