PROFESSIONAL REFRIGERATION

New Essential line

smeg INSTRUMENTS FRIMED

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
- Optional 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)
- Standard pass-through hole for external temperature probe entry

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)

KEY FEATURES

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.



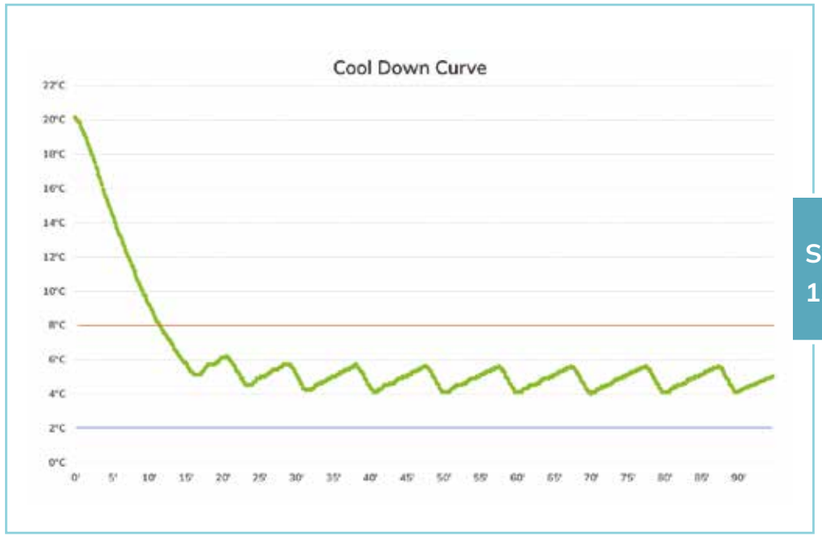
CONSUMPTION AND PERFORMANCE

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 impac**t and greater operational sustainability, without ever compromising the quality of conservation.

VERSION	CONSUMPTION [kW/24h]
FVE12C	0,40
FVE12G	0,47
FVE20C	0,63
FVE20G	0,78
FVE30C	1.01
FVE30G	1.24
FVE52C	1.23
FVE52G	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.



Switch-ON to Set Point: 15 minutes

Max temperature range

Temperature trend

Min temperature range

THE 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.



FVE12 FVE20 FVE30 FVE52

VERSION	CAPACITY [l]	DOOR TYPE	EXTERNAL DIMENSIONS (WxDxH) [cm]	INTERNAL DIMENSIONS (WxDxH) [cm]	N° STANDARD SHELVES	N° SHELVES MAX
FVE12C	126	Solid	600x600x860	515x485x500	2	2
FVE12G	126	Glass	600x600x860	515x485x500	2	2
FVE20C	200	Solid	600x600x1490	475x465x920	3	5
FVE20G	200	Glass	600x600x1490	475x465x920	3	5
FVE30C	300	Solid	600x600x1890	475x465x1320	3	6
FVE30G	300	Glass	600x600x1890	475x465x1320	3	6
FVE52C	520	Solid	700x800x1965	575x670x1400	3	6
FVE52G	520	Glass	700x800x1965	575x670x1400	3	6

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, and disinfection.

Smeg S.p.A. reserves the right to make any changes it deems useful to improve its products without prior notice.

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11/2025