smeg
INSTRUMENTS

PROFESSIONAL REFRIGERATION

Hospital sector

MADE IN ITALY
TAILOR-MADE SOLUTIONS FOR HOSPITALS

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.



PROFESSIONAL REFRIGERATION

Smeg Instruments solutions for professional refrigeration include positive temperature refrigerators, dual temperature refrigerators and freezers, all characterised by accurate thermal management that guarantees the maintenance of ideal conditions for the storage of drugs, vaccines, biological samples and other sensitive substances. 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.

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.

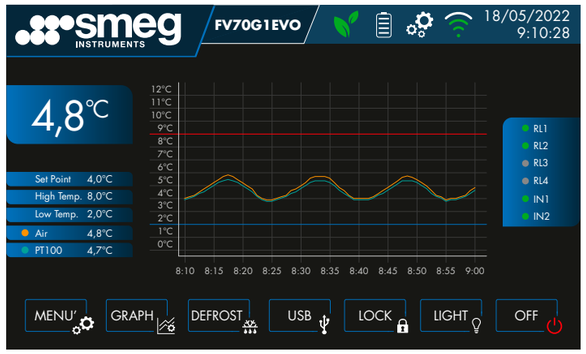
accurcay usability safety traceability

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.

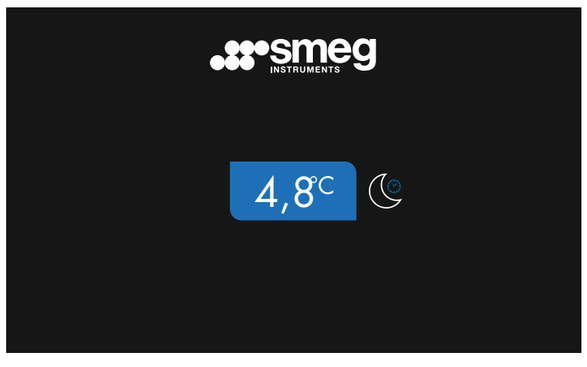
PRECISION AND ENERGY-SAVING IN CONTROL

The 7' touch screen display is the flagship of the Evolution Smeg Instruments line of refrigerators.
Thanks to advanced technology, the display allows the user to precisely control and adjust the internal temperature and display visual and audible alarms to promptly change the settings.



Touch screen display

State-of-the-art technologies help improve the energy efficiency of the refrigerators, which achieve the best performance while minimizing consumption.
This is made possible by the intelligent activation of certain parameters, dedicated functions such as Night & Day.



Night & Day function

TEMPERATURES 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.)



Operating setpoint

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.

THE SMEG CLOUD PLATFORM ENABLES:

VNC REMOTE CONTROL

Virtual Network Computing is an application the 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

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.



PROFESSIONAL FREEZERS

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.



EVOLUTION LINE - POSITIVE TEMPERATURE REFRIGERATORS

TEMPERATURE RANGE FROM +2 °C TO +12 °C



- 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 Plexiglas 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 LxDxH (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

EVOLUTION LINE - DOUBLE POSITIVE TEMPERATURE REFRIGERATORS

TEMPERATURE RANGE FROM +2 °C TO +12 °C



- 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 Plexiglas 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
Doors type	Double glass door	Double solid door	Double glass door	Double solid door	Double glass door	Double solid door
External dimensions LxDxH (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

EVOLUTION LINE - DOUBLE POSITIVE AND NEGATIVE TEMPERATURE REFRIGERATORS

TEMPERATURE RANGE: POSITIVE SIDE FROM +2 °C TO +12 °C; NEGATIVE SIDE FROM -25 °C TO -10 °C



- 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 Plexiglas frontal for negative compartment
- alternative configurations: stainless steel shelves or sliding drawers with Plexiglas 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
Doors 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 LxDxH (cm)	60x60x197	60x60x197	70x80x204	70x80x204	140x80x199	140x80x199
Standard configuration	3 shelves + 2 drawers	3 shelves + 2 drawers	2 shelves + 3 drawers	2 shelves + 3 drawers	4 + 4 shelves	4 + 4 shelves
Max. configuration	5 shelves + 2 drawers	5 shelves + 2 drawers	4 shelves + 3 drawers	4 shelves + 3 drawers	8 + 8 shelves	8 + 8 shelves

EVOLUTION LINE – PROFESSIONAL FREEZERS

TEMPERATURE RANGE FROM -25 /-32 /-40 °C TO -10 °C



- 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 Plexiglas 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 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 LxDxH (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

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 LxDxH (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

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.



PROFESSIONAL FREEZERS

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.



BASIC LINE - POSITIVE TEMPERATURE REFRIGERATORS

TEMPERATURE RANGE FROM +2 °C TO +12 °C



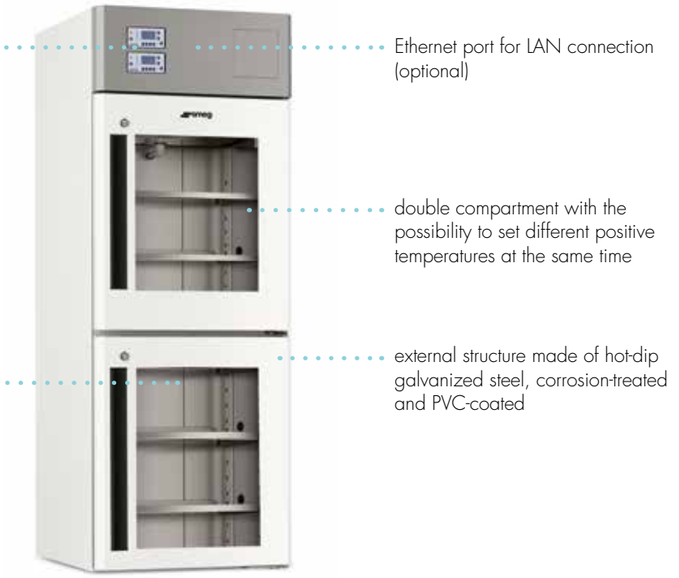
- internal capacity from 100 to 1400 litres
- n. 1 self-closing insulated double glass door (n. 2 for 1400 litres versions)
- solid door versions available
- safety door lock with key
- microprocessor electronic control
- n. 7 audible and visual alarms: high temperature (adjustable threshold), low temperature (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 Plexiglas 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 LxDxH (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

BASIC LINE - DOUBLE POSITIVE TEMPERATURE REFRIGERATORS

TEMPERATURE RANGE FROM +2 °C TO +12 °C



- 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 Plexiglas 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
Doors type	Double glass door	Double solid door	Double glass door	Double solid door	Double glass door	Double solid door
External dimensions LxDxH (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

BASIC LINE - DOUBLE POSITIVE AND NEGATIVE TEMPERATURE REFRIGERATORS

TEMPERATURE RANGE: POSITIVE SIDE FROM +2 °C TO +12 °C: NEGATIVE SIDE FROM -25 °C TO -10 °C



- 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 Plexiglas frontal for negative compartment
- alternative configurations: stainless steel shelves or sliding drawers with Plexiglas 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
Doors 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 LxDxH (cm)	60x60x197	60x60x197	70x80x204	70x80x204	140x80x199	140x80x199
Standard configuration	3 shelves + 2 drawers	3 shelves + 2 drawers	2 shelves + 3 drawers	2 shelves + 3 drawers	4 + 4 shelves	4 + 4 shelves
Max. configuration	5 shelves + 2 drawers	5 shelves + 2 drawers	4 shelves + 3 drawers	4 shelves + 3 drawers	8 + 8 shelves	8 + 8 shelves

BASIC LINE - PROFESSIONAL FREEZERS

TEMPERATURE RANGE FROM -25/ -32 / -40 °C TO -10 °C



- 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 Plexiglas 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

	C20V10C1A	C30S16C1A	C30S22C1A	C30S25C1A	C30S32C1A	C40S60C1A	C25V70C1A	C30V70C1A	C25V140C2A
Internal volume (L)	100	160	220	250	320	600	70	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 LxDxH (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

ESSENTIAL LINE

The Essential Line by Smeg Instruments offers reliable and high-performance refrigeration solutions, tailored to meet the needs of various professional sectors. These models combine efficient refrigeration systems and effective functionality as well as uncompromising safety.

PROFESSIONAL REFRIGERATORS

Smeg Instruments Essential line refrigerators offer an efficient combination of performance, reliability, and advanced features, designed to meet the diverse needs of the healthcare sector professionals, such as optimal internal temperature control and a customizable internal configuration.



PROFESSIONAL FREEZERS

The Smeg Instruments Essential line freezers are designed to provide reliable, efficient, and safe storage for temperature-sensitive materials. Designed with energy efficiency in mind, the units use CFC/HCFC-free R600a refrigerant gas, ensuring a lower environmental impact.



PROFESSIONAL ULTRA-LOW TEMPERATURE FREEZERS

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.



ESSENTIAL LINE - PROFESSIONAL REFRIGERATORS

TEMPERATURE RANGE FROM +2 °C TO +10 °C



- internal capacity from 55 to 315 litres
- n. 1 insulated double glass door with anti-condensation heater
- safety door lock with key
- microprocessor electronic control
- audible and visual alarms
- n. 10 different alarms: high/low temperature (adjustable threshold), high ambient temperature, high condenser temperature, power failure, backup battery failure, probe sensor failure, door ajar, USB datalogger failure, remote alarm
- datalogger with temperature data measurement and alarms up to 2 years, data sampling with frequency up to 1'
- USB port for data downloading
- dry contact for remote alarm
- RS485 external connection port
- defrosting with automatic evaporation of condensate water (programmable cycles)
- evaporator ventilated
- internal configuration: coated steel wire shelves and/or drawers adjustable in height (the quantity varies depending on the model)
- illumination made by vertical LED for internal compartment
- n. 2 castors (n. 4 for 315 litres version) + n. 2 front mounting adjustable feet
- internal structure made of sprayed aluminum plate
- external structure made of PCM precoated steel plate
- ecological polyurethane insulation 50 mm thick
- CFC/HCFC-free R600a refrigerant gas
- detachable power cord with Schuko plug

	SMR55G	SMR130G	SMR315G
Internal volume (L)	55	130	315
Doors type	Glass door	Glass door	Glass door
External dimensions LxDxH (cm)	54x56x63	65x62,5x81	65x67,3x176
Standard configuration	2 shelves	2 shelves + 1 bottom basket	4 shelves + 1 bottom basket
Max. n° of shelves	2	3	5

ESSENTIAL LINE - PROFESSIONAL FREEZERS

TEMPERATURE RANGE FROM -10°C TO -25°C



user interface with essential LCD display

pass-through hole for performance validation

internal structure made of sprayed aluminum plate

external structure made of PCM precoated steel plate

- internal capacity of 90 or 270 litres
- n. 1 solid door
- safety door lock with key
- microprocessor electronic control
- audible and visual alarms
- n. 3 different alarms: high/low temperature (adjustable threshold), probe sensor failure, door ajar
- manual defrosting
- static evaporator
- internal configuration with ABS drawers (the quantity varies depending on the model)
- n. 2 castors (n. 4 for 270 litres version) + n. 2 front mounting adjustable feet
- ecological polyurethane insulation 100 mm thick
- CFC/HCFC-free R600a refrigerant gas
- detachable power cord with Schuko plug

	SMF90	SMF270
Internal volume (L)	90	270
Doors type	Solid door	Solid door
External dimensions LxDxH (cm)	70x67x85,4	70x64x179
Standard configuration	3 drawers	7 drawers
Max. n° of shelves	2	3

ESSENTIAL LINE - PROFESSIONAL ULTRA-LOW TEMPERATURE FREEZERS

TEMPERATURE RANGE FROM -40°C TO -86°C



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

- 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
Doors type	Solid door, with top opening	Solid door
External dimensions LxDxH (cm)	65x61x108	109x102,5x196,5
Standard configuration	1 chest	4 compartments
N° of standard shelves	-	4

NOTES

NOTES

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 two 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.

smeg
INSTRUMENTS

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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