



MEDICAL REFRIGERATORS

smartLINE

LABORATORY  
AND PHARMACY  
REFRIGERATORS



# smartLINE

PURE PERFORMANCE, SIMPLY RELIABLE.

smartLINE is an innovating and economical FRIMED solution to meet the needs of medical, laboratory and pharmacy fields.

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



#### PERFORMANCE AND CONTROL

- Temperature range from +2 °C to +12 °C, factory preset to +4°C. Digital adjustable with an increment of 0,1°C
- Electronic microprocessor control
- Front panel with touch digit display
- Noise level <45 (dBA)

#### CONNECTIVITY AND DATA MANAGEMENT

- Bluetooth® connectivity as standard for remote data download directly to smartphone or tablet via dedicated application. Real-time display of temperature and alarm data on mobile devices
- Password protected settings
- BMS analog output

#### ALARMS AND SAFETY

- Audible and visual alarm signalling
- Alarm history with data logging up to 4 months
- High/low temperature alarms (adjustable threshold), door open, power failure (optional) and defective probes
- Optional backup battery for display and alarm acquisition in case of power failure
- Optional +2 °C safety thermostat in accordance with DIN 13277

#### ELECTRICAL SPECIFICATIONS

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

#### STRUCTURE AND MATERIALS

- Reversible flush door
- Internal and external structure in white PVC-coated hot-dip galvanized anti-corrosion steel
- Low-GWP (Global Warming Potential) polyurethane foam insulation, 60 mm thick (40 mm for RB12 version)
- 4 unidirectional wheels

#### COOLING SYSTEM

- Static-ventilated evaporator
- Anti-stratification system to increase temperature stability
- Automatic defrosting with condensate water evaporation
- CFC/HCFC-free low-GWP refrigerant gas R290

#### EQUIPMENT AND LIGHTING

- Solid or glass door (double insulating low emissivity glass) with folding magnetic gasket (easy to replace)
- LED lighting
- Interior configuration with height-adjustable flush wire shelves (standard quantity varies depending on version)
- Test hole for external user sensor
- Optional extra shelves
- Door with optional key lock

# CONTROL PANEL



## BLUETOOTH® CONNECTIVITY: SIMPLICITY, EFFICIENCY, CONTROL

Thanks to built-in Bluetooth® connectivity, the refrigerators of the Smart 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 simplify the management, maintenance, and monitoring of your device, making it faster, easier, and more secure.

Thanks to Bluetooth® connectivity, you can interact with the unit's electronic controls without additional tools—directly from your smartphone or tablet. This allows you to:

- Access a multilingual interface
- Configure and manage customizable parameters, profiles, and settings
- View and export real-time and historical data and trends



Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

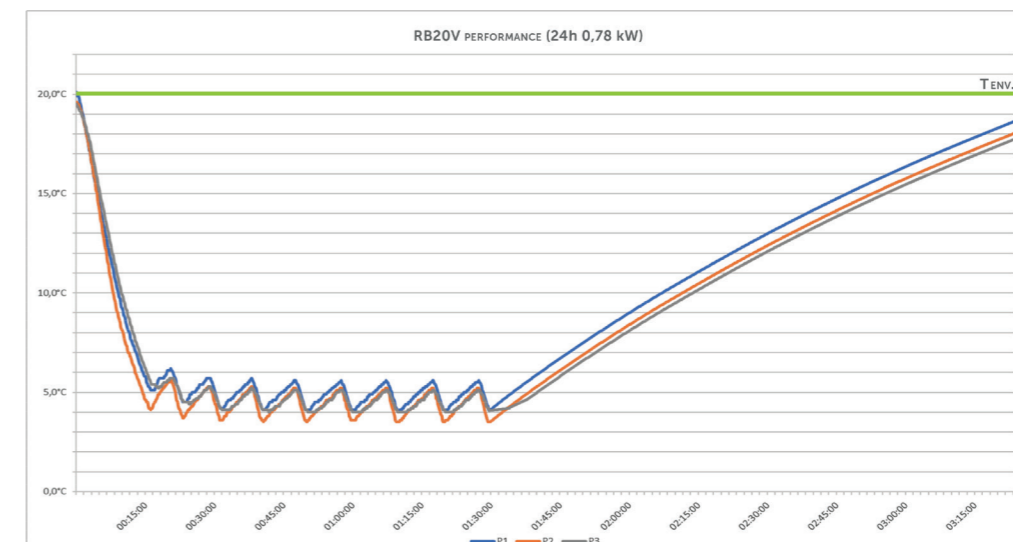
## CONSUMPTION AND PERFORMANCE

The new professional refrigerators of the smartLINE combine reliable performance and **maximum energy efficiency**, guaranteeing 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.

MODEL	CONSUMPTION (KW/24H)	MODEL	CONSUMPTION (KW/24H)
RB12	0,40	RB12V	0,47
RB15	0,55	RB15V	0,60
RB20	0,63	RB20V	0,78
RB30	1,01	RB30V	1,24
RB52	1,23	RB52V	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.





# REFRIGERATOR

## LABORATORY AND PHARMACY

+2°+12°C from 126 to 520 lt.



MODEL	RB12	RB12V	RB15	RB15V	RB20
<b>TECHNICAL DATA</b>					
Capacity (LT)	126	126	150	150	200
Temp. range (°C)	+2 / +12	+2 / +12	+2 / +12	+2 / +12	+2 / +12
Cooling type	Static vent. evaporator	Static vent. evaporator	Static vent. evaporator	Static vent. evaporator	Static vent. evaporator
Defrost	Automatic	Automatic	Automatic	Automatic	Automatic
Low-GWP Refrigerant gas	R290	R290	R290	R290	R290
Noise level (dBA)	<45	<45	<45	<45	<45
<b>ALARMS</b>					
High/Low temperature	✓	✓	✓	✓	✓
Open door	✓	✓	✓	✓	✓
Damaged sensor	✓	✓	✓	✓	✓
Power failure	optional	optional	optional	optional	optional
<b>CONNECTIVITY</b>					
Bluetooth	✓	✓	✓	✓	✓
BMS analog output	✓	✓	✓	✓	✓
<b>EQUIPMENT</b>					
Door type	solid	glass	solid	glass	solid
Wired Shelves	2	2	2	2	3
Test hole	✓	✓	✓	✓	✓
<b>OPTIONAL ACCESSORIES</b>					
Key lock	available	available	available	available	available
Extra shelves	-	-	-	-	2
Backup battery	available	available	available	available	available
Safety thermostat	available	available	available	available	available
<b>DIMENSIONS</b>					
External Dimensions (mm)	600x600x860	600x600x860	600x600x1290	600x600x1290	600x600x1490
Packaging Dimensions (mm)	700x700x1030	700x700x1030	700x700x1570	700x700x1570	700x700x1770

MODEL	RB20V	RB30	RB30V	RB52	RB52V
<b>TECHNICAL DATA</b>					
Capacity (LT)	200	300	300	520	520
Temp. range (°C)	+2 / +12	+2 / +12	+2 / +12	+2 / +12	+2 / +12
Cooling type	Static vent. evaporator	Static vent. evaporator	Static vent. evaporator	Static vent. evaporator	Static vent. evaporator
Defrost	Automatic	Automatic	Automatic	Automatic	Automatic
Low-GWP Refrigerant gas	R290	R290	R290	R290	R290
Noise level (dBA)	<45	<45	<45	<45	<45
<b>ALARMS</b>					
High/Low temperature	✓	✓	✓	✓	✓
Open door	✓	✓	✓	✓	✓
Damaged sensor	✓	✓	✓	✓	✓
Power failure	optional	optional	optional	optional	optional
<b>CONNECTIVITY</b>					
Bluetooth	✓	✓	✓	✓	✓
BMS analog output	✓	✓	✓	✓	✓
<b>EQUIPMENT</b>					
Door type	glass	solid	glass	solid	glass
Wired Shelves	3	3	3	3	3
Test hole	✓	✓	✓	✓	✓
<b>OPTIONAL ACCESSORIES</b>					
Key lock	available	available	available	available	available
Extra shelves	2	3	3	3	3
Backup battery	available	available	available	available	available
Safety thermostat	available	available	available	available	available
<b>DIMENSIONS</b>					
External Dimensions (mm)	600x600x1490	600x600x1890	600x600x1890	700x800x1965	700x800x1965
Packaging Dimensions (mm)	700x700x1770	700x700x2170	700x700x2170	700x700x2180	700x700x2180

specifications



Fri.med. Srl  
 Strada Fontaneto, 44  
 10023 Chieri (TO) Italy  
 Tel. +39 011 9921161  
 Fax +39 011 9921160

info@frimed.it  
 www.frimed.it

Flight No.	Destination	Schedule	Hall	Type
LH 498	London/Heathrow	1810	B	321
LH 895	Hannover	1810	A	320
LH 811	Köln/Bonn	1815	A	320
LH 833	Düsseldorf	1815	A	735
LH 233	Berlin/Tegel	1820	A	321
PU 546	Nizza	1830	D	CRJ
LO 354	Warschau	1830	D	EMB
OG 116	Wien	1835	A	738
3F 887	Zürich	1835	D	320
LH 227	Frankfurt/Main	1840	A	319
OU 437	Zagreb	1840	B	320
LH 884	Strasbourg	1845	A	DH5
LH 9819	Dortmund	1845	A	DH5
LH 847	Düsseldorf	1845	A	321
LH 821	Hamburg	1845	A	320
LH 3889	Oslo	1850	B	735
LH 5184	Helsinki	1850	B	142
DL 7020	Berlin/Tegel	1850	D	733
LH 1061	Nürnberg	1850	A	AT5
LH 925	Bremen	1850	A	319
LH 9084	Paderb./Lippst.	1850	A	DH5
DL 7186	Köln/Bonn	1855	D	733
DL 7090	Düsseldorf	1855	D	733
BA 824	Birmingham	1855	A	312
BA 822	Manchester	1855	A	312
BA 8178	Lepvig / Halle	1855	A	312
BA 8875	Zürich	1855	A	312
BA 8163	Frankfurt	1855	A	312
BA 822	Marseille	1855	A	312
BA 832	Brüssel	1855	A	312
BA 5789	Stas	1855	A	312
BA 834	Ges	1855	A	312
BA 5886	Amsterdam	1855	A	312
BA 3531	Madrid	1855	A	320
BA 3212	Prag	1855	A	320
LH 5270	Warschau	1855	D	CRJ
LH 4940	London/Heathrow	1910	B	735
LH 3832	Bologna - Neapel	1910	A	735
LH 5384	Wien	1910	A	CRJ
LH 5886	Turin	1910	A	142
LH 5386	Gent	1910	B	142
LH 5884	Firenze	1910	A	142
LH 882	Dresden	1910	A	735
LH 3884	Malpensa/Malpensa	1910	A	735
LH 1747	Stuttgart	1915	A	735
LH 238	Göteborg	1915	B	CRJ
LH 232	Lyon	1915	A	CRJ
LH 887	Hannover	1915	A	735
LH 833	Köln/Bonn	1915	A	320
LH 3846	Stockholm/ARN	1915	B	318
LH 2309	Berlin/Tegel	1915	A	321
LH 4312	Madrid	1920	A	735
LH 3818	Prag	1920	A	735
LH 3466	Barcelona	1920	B	318
LH 4308	Barcelona	1920	A	735
LH 3420	Athens	1920	A	320
LH 887	Hamburg	1925	A	320
LH 878	Düsseldorf	1925	A	735
EN 2689	Thess	1930	A	AT5
EN 2648	Brüssel	1930	D	735
EN 2687	Verona	1935	A	AT5
EN 2687	Venedig	1935	A	AT5
MS 688	Kairo	1935	C	320
PC 607	Erfurt	1935	A	DH5
SK 664	Kopenhagen	1940	B	M80
EN 2681	Genova	1945	A	AT5
EN 2677	Pisa	1945	A	AT5
EN 2705	Malpensa/Bergamo	1945	A	AT5
EAE 108	München/Edbach	1945	A	AT5
EN 1919	Andora	1945	A	AT5
DL 244	Berlin/Tegel	1945	A	733
DL 7114	Hamburg	1945	D	733
LH 273	Frankfurt/Main	1945	A	A80
DL 4608	Berlin/Tegel	1945	D	733
KL 1794	Amsterdam	2000	D	730