

# Medical & Scientific Equipment

Technical data 2021  
MED SAVE, MEDLAB SAVE and BB



**PORKKA**

Rev 022021



# Technical data

## Medical & Scientific Equipment

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## Nanoksi Fotonit - touch-safe surfaces

Nanoksi Fotonit is a light-activated antimicrobial photocatalytic coating that changes surfaces to be touch-safe by destroying, e.g., viruses and other pathogens.

The coating has a significant effect on the hygiene and cleanliness of premises and surfaces. Self-disinfecting surfaces remain hygienic without strong chemicals, and the coating is reactivated again and again by light and the coating lasts up to years, depending on consumption.



Nanoksi Fotonit light-protected surfaces make the premises safer for both employees and customers. Protection reduces illness for staff and customers and prevents epidemics with better hygiene.

The photocatalytic Nanoksi Fotonit method saves on cleaning and maintenance costs and ensures the cleanliness of rooms and surfaces. Nanoksi Fotonit light-protected surfaces also improve indoor air and thus well-being at work. Applications include, e.g., hospitals, kindergartens, service homes, and laboratories.



## MED and MEDLAB antimicrobial medical refrigerators

MED and MEDLAB products have been designed to minimize the spread of bacteria and viruses.

In all MED and MEDLAB products, the door handle (1) and control unit keypad (2) is treated with **Nanoksi Fotonit** photocatalytic coating. In addition, an antimicrobial additive has been added to the condensate tray (3) of the device during the production stage.

As a factory-fitted accessory, the interior of the device can be treated with a **Nanoksi Fotonit** photocatalytic coating. In this case, the device is also equipped with a disinfection lamp.

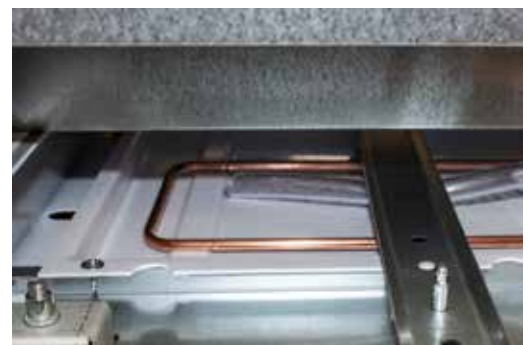
Thanks to these treatments, the components of the device are protected against microbes (bacteria, fungi, mold, viruses).



1. Door handle



2. Control unit keypad



3. Condensate tray

Many other surfaces can also be coated with Nanoksi Fotonit photocatalytic coating. Request a separate offer from the sales department here!

**Nanoksi Fotonit - a light-protected surfaces**

# Technical data

## Medical & Scientific Equipment

### MED SAVE control unit LED numerical display



All cabinet models feature a clear and easy-to-use MED SAVE control unit.

All main functions can be performed with one push button: checking of the minimum and maximum temperature, continuous on/off recording of temperature, continuous recording of temperature on a USB flash drive.

- continuous temperature recording
- USB port for data reading
- big LED number temperature display
- complies with the requirements DIN 58345 set to storage of pharmaceuticals
- complies with the requirements DIN 58371 set to storage of red cell preparations
- products are available with optional battery backup and anti-freeze protection systems (DIN accessory package)
- temperature monitor during defrost
- Versatile features and alarms of MED SAVE control unit are displayed on a large LED screen. If necessary, an acoustic alarm will also produce a sound signal. Potential-free alarm information is transferred to real estate supervision via a control unit. All possible alarms are stored in the memory of the control unit with precise time and alarm information.

## Product novelties

### BB SERIES

The current product range offers a wide selection of refrigeration equipment for storing blood products. The refrigeration equipment of the BB series satisfies, inter alia, the requirements of DIN 58371 set to real-time temperature recording. All blood bank cabinets can be equipped with a GD glass door.



# Technical data

## Medical & Scientific Equipment

### Product novelties

#### MED SAVE F 120 AND F 200 FREEZERS

The products of the MED product family have a number of operational and product safety features.

- Automatic defrost
- Bacteria-free pull knob and bacteria-free automatic evaporation for condensation water
- Freezer cabinet to be placed under or above the tabletop
- The MED SAVE control unit records storage temperatures and alarms
- Versatile shelf options



MED SAVE F120

#### MED SAVE AND MEDLAB SAVE 320

- Full-height single door refrigerator for medical and laboratory
- Bacteria-free automatic defrost
- Bacteria-free pull knob and bacteria-free automatic evaporation for condensation water
- The MED SAVE control unit records storage temperatures and alarms
- Equipment set to meet DIN Norm 58345
- Versatile shelf options
- Maximum amount of drawers: MED 10 pcs and MEDLAB 13 pcs and 1 pc solid shelf



MED SAVE 320

# Technical data

R600a  
Refrigerant

## MED SAVE Medical Cupboards

Wide range of cabinets and drawer units, especially for the needs of physician's offices, hospitals, and healthcare facilities. Lockable cabinets and drawer cabinets that are easy to clean are the ideal solutions for storing medicines.



MED SAVE 80 with a stand. The model in the illustration has the stand (H = 120 mm) as an accessory.



MED SAVE 80 GD with a stand. The model in the illustration has the stand (H = 120 mm) as an accessory.



## MED SAVE Medical Cupboards

### Features

- Excellent temperature uniformity ( $\pm 1^\circ\text{C}$ ) measured with in according to DIN 58345
- Low noise level, under 45 dB(A)
- Bacteria-free automatic evaporation for condensation water
- Bacterial-free door handle
- Control unit with clear numeric display for temperature and other functions
- Real time temperature recording and USB port for data reading
- Key lock on the control unit
- Recording of maximum and minimum temperature
- Visual and audible high/low temperature alarm
- Temperature monitor during defrost
- Door switch for fan control and door open-alarms
- Probe failure alarm
- Readiness for RS485 adapter for computer connection
- Potential free (no voltage) alarm coupling readiness for real estate monitoring
- $\varnothing 8$  mm sleeved access port for additional probe
- 50 ml bottle for a temperature sensor inside the cabinet
- fan assisted air distribution
- Molded eco-friendly polyurethane insulated frame. The insulation thickness is 50 mm
- External finish has a white polyester coated sheet steel
- Interior finish in white vacuum foamed polystyrene and white polyester coated sheet steel
- Glass shelves which are adjustable in increments of 36 mm. The door has easily removable door shelves (not in models 320 and GD)
- Abloy lock is placed in front panel for easy maintenance (Abloy Sentry key)



MED SAVE 120 with glass shelves



MED SAVE 120 with drawers

- The self-closing door has a sturdy molded handle, magnetic seal, and durable hinges. The door remains open at a 90 degree angle
- Automatic defrost
- Efficient, environmental friendly, energy saving R600a or R290
- Electrical supply 230V / 50 Hz

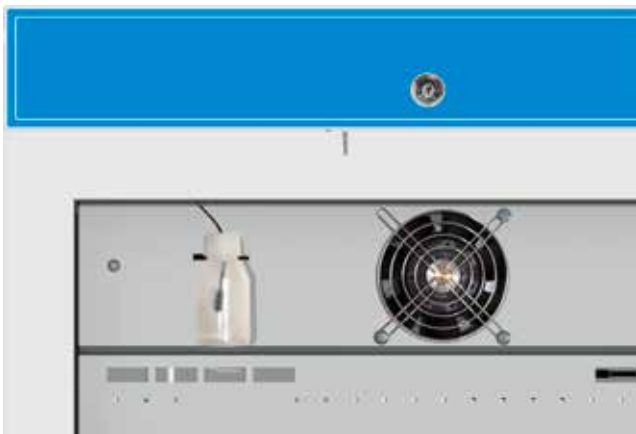
### Accessories

- Plastic drawer with dividers
- Stainless steel shelves
- Different glass shelf sizes
- Internal LED light (as a standard in GD models)
- Lock alternatives: Assa, iLOQ, Ruko (Abloy as a standard)
- Basin H=120 mm

- DIN accessory package :

12-hour battery backup for MED SAVE control unit's power failure alarm and temperature recording (DIN 58345 requirement)

Anti-freeze protection (DIN58345 requirement)



50 ml bottle for a temperature sensor inside the cabinet

# Technical data

R600a  
Refrigerant

## MED SAVE Medical Cupboards

MED SAVE			MED SAVE 80	MED SAVE 80 GD glass door
External dimensions	Width	mm	595	595
Note! **	Depth	mm	500+ 30 (handle)	500 + 30 (handle)
Table top model without stand	Height	mm	750	750
Furniture or wall mounting model without stand	Height	mm	750	750
Under counter model with stand	Height	mm	860	860
Internal dimensions	Width	mm	475	475
	Depth	mm	339 / 206	339 / 206
Front / back	Height	mm	470 / 390	470 / 390
Volume (measured on a stainless-steel shelf according to DIN standard)	Net	liters	60	60
	Gross	liters	75	75
Inner surfaces			PS polystyrene	PS polystyrene
Weight	Net	kg	47	49
Package weight	Gross	kg	50	52
Package size	Width	mm	680	680
	Depth	mm	600	600
	Height	mm	920	920
Sound level measured at the distance of 1m and from the height of 1.6 m		dB	40	41
Ambient temperature		°C	+5...+32	+5...+32
Operating temperature		°C	+2...+15	+2...+15
Temperature accuracy		°C	DIN58345	DIN58345
Refrigerant	R600a	g	42	42
Connection Power		W	50	62
Fuse	Slow	A	10	10
Voltage		V	230/50 Hz	230/50 Hz
Defrost 1. Air 2. Hot gas 3. Electric			3 automatic	3 automatic
Energy consumption (kW/d) (GD LED light OFF/ON)		kW	0,9	0,95/1,3
<b>SHELVES AND DRAWERS:</b>				
Glass shelf 1/2 : width 475 mm, depth 175 mm (amount standard/maximum)		pcs	2/3	2/3
Door shelf: width 425 mm, depth 90 mm (amount standard/maximum) *		pcs	2	-
OR				
Full depth 1/1 glass shelf: width 475 mm, depth 260 mm (amount standard/maximum)		pcs	2/3	2/3
OR				
Stainless steel shelf : width 475 mm, depth 330 mm (amount standard/maximum)		pcs	2/3	2/3
OR				
Drawers: width 460 mm, depth 253 mm (amount standard/maximum) *		pcs	2/3	2/3

Ensure that there is sufficient air circulation around the device so that condensate air can freely enter the environment. See the end of the specifications for more information.

\* Door shelf/drawer combination is not available in the refrigerator, and door shelves are only available with 1/2 glass shelf and a solid panel door.

\*\* Depth measurement 500 includes space for condensation

# Technical data

R600a  
Refrigerant

## MED SAVE Medical Cupboards

MED SAVE			MED SAVE 120	MED SAVE 120 GD glass door
External dimensions	Width	mm	595	595
Note! **	Depth	mm	500+ 30 (handle)	500 + 30 (handle)
	Height	mm	860	860
Internal dimensions	Width	mm	475	475
	Depth	mm	339 / 206	339 / 206
Front / back	Height	mm	580 / 500	580 / 500
Volume (measured on a stainless-steel shelf according to DIN standard)	Netto	liters	83	83
	Brutto	liters	100	100
Inner surfaces			PS polystyrene	PS polystyrene
Weight	Net	kg	54	54
Package weight	Gross	kg	58	58
Package size	Width	mm	680	680
	Depth	mm	600	600
	Height	mm	1070	1070
Sound level measured at the distance of 1m and from the height of 1.6 m		dB	41	42
Ambient temperature		°C	+5...+32	+5...+32
Operating temperature		°C	+2...+15	+2...+15
Temperature accuracy		°C	DIN58345	DIN58345
Refrigerant	R600a	g	50	50
Connection Power		W	50	50
Fuse	Slow	A	10	10
Voltage		V	230/50 Hz	230/50 Hz
Defrost 1. Air 2. Hot gas 3. Electric			3 automatic	3 automatic
Energy consumption (kW/d) (GD LED light OFF/ON)		kW	1	1,1/1,37
<b>SHELVES AND DRAWERS:</b>				
Glass shelf 1/2 : width 475 mm, depth 175 mm (amount standard/maximum)		pcs	3/4	3/4
Door shelf: width 425 mm, depth 90 mm (amount standard/maximum) *		pcs	3	-
OR				
Full depth 1/1 glass shelf: width 475 mm, depth 260 mm (amount standard/maximum)		pcs	3/4	3/4
OR				
Stainless steel shelf : width 475 mm, depth 330 mm (amount standard/maximum)		pcs	3/4	3/4
OR				
Drawers: width 460 mm, depth 253 mm (amount standard/maximum) *		pcs	3/4	3/4

Ensure that there is sufficient air circulation around the device so that condensate air can freely enter the environment. See the end of the specifications for more information.

\* Door shelf/drawer combination is not available in the refrigerator, and door shelves are only available with 1/2 glass shelf and a solid panel door.

\*\* Depth measurement 500 includes space for condensation

# Technical data

R600a  
Refrigerant

## MED SAVE Medical Cupboards

MED SAVE			MED SAVE 200	MED SAVE 200 GD glass door
External dimensions	Width	mm	595	595
Note! **	Depth	mm	500+ 30 (handle)	500 + 30 (handle)
	Height	mm	1325	1325
Internal dimensions	Width	mm	475	475
	Depth	mm	339 / 206	339 / 206
Front / back	Height	mm	1045 / 965	1045 / 965
Volume (measured on a stainless-steel shelf according to DIN standard)	Net	liters	150	150
	Gross	liters	176	176
Inner surfaces			PS polystyrene	PS polystyrene
Weight	Net	kg	69	69
Package weight	Gross	kg	74	74
Package size	Width	mm	680	680
	Depth	mm	600	600
	Height	mm	1470	1470
Sound level measured at the distance of 1m and from the height of 1.6 m		dB	42	43
Ambient temperature		°C	+5...+32	+5...+32
Operating temperature		°C	+2...+15	+2...+15
Temperature accuracy		°C	DIN58345	DIN58345
Refrigerant	R600a	g	55	55
Connection Power		W	50	50
Fuse	Slow	A	10	10
Voltage		V	230/50 Hz	230/50 Hz
Defrost 1. Air 2. Hot gas 3. Electric			3 automatic	3 automatic
Energy consumption (kW/d) (GD LED light OFF/ON)		kW	0,74	0,9/1,25
<b>SHELVES AND DRAWERS:</b>				
Glass shelf 1/2 : width 475 mm, depth 175 mm (amount standard/maximum)		pcs	5/8	5/8
Door shelf: width 425 mm, depth 90 mm (amount standard/maximum) *		pcs	4	-
OR				
Full depth 1/1 glass shelf: width 475 mm, depth 260 mm (amount standard/maximum)		pcs	5/8	5/8
OR				
Stainless steel shelf : depth 475 mm, depth 330 mm (amount standard/maximum)		pcs	5/8	5/8
OR				
Drawers: width 460 mm, depth 253 mm (amount standard/maximum) ****		pcs	5/8	5/8

Ensure that there is sufficient air circulation around the device so that condensate air can freely enter the environment. See the end of the specifications for more information.

\* Door shelf/drawer combination is not available in the refrigerator, and door shelves are only available with 1/2 glass shelf and a solid panel door.

\*\* Depth measurement 500 includes space for condensation

# Technical data

**R600a  
Refrigerant**

## MED SAVE Medical Cupboards

MED SAVE			MED SAVE 160/160		MED SAVE 160/160 GD glass door	
			UPPER	LOWER	UPPER	LOWER
External dimensions	Width	mm	595		595	
Note! **	Depth	mm	500 + 30 (handle)		500 + 30 (handle)	
	Height	mm	2030		2030	
Sisämitat	Width	mm	475		475	
	Depth	mm	339	339 / 206	339	339 / 206
Front / back	Height	mm	815	896 / 816	815	896 / 816
Volume (measured on a stainless-steel shelf according to DIN standard)	Net	liters	117	115	117	115
	Gross	liters	143	141	143	141
Inner surfaces			PS polystyrene		PS polystyrene	
Weight	Net	kg	108		108	
Package weight	Gross	kg	109		109	
Package size	Width	mm	680		680	
	Depth	mm	600		600	
	Height	mm	2170		2170	
Sound level measured at the distance of 1m and from the height of 1.6 m		dB	43		44	
Ambient temperature		°C	+5...+32		+5...+32	
Operating temperature		°C	+2...+15	+2...+15	+2...+15	+2...+15
Temperature accuracy			DIN58345		DIN58345	
Refrigerant	R600a	g	2 x 50		2 x 50	
Connection Power		W	100		100	
Fuse	Slow	A	10		10	
Voltage		V	230/50 Hz		230/50 Hz	
Defrost 1. Air 2. Hot gas 3. Electric			3 automatic		3 automatic	
Energy consumption (kW/d) (GD LED light OFF/ON)		kW	1,95		2,1/2,7	
<b>SHELVES AND DRAWERS:</b>						
Glass shelf 1/2 : width 475 mm, depth 175 mm (amount standard/maximum)		pcs	4/6	4/6	4/6	4/6
Door shelf: width 425 mm, depth 90 mm (amount standard/maximum) *		pcs	4	4	-	-
OR						
Full depth 1/1 glass shelf: width 475 mm, depth 260 mm (amount standard/maximum)		pcs	4/6	4/6	4/6	4/6
OR						
Stainless steel shelf : depth 475 mm, depth 330 mm (amount standard/maximum)		pcs	4/6	4/6	4/6	4/6
OR						
Drawers: width 460 mm, depth 253 mm (amount standard/maximum) ***		pcs	2/4 ***	4/6	2/4 ***	4/6

Ensure that there is sufficient air circulation around the device so that condensate air can freely enter the environment. See the end of the specifications for more information.

\* Door shelf/drawer combination is not available in the refrigerator, and door shelves are only available with 1/2 glass shelf and a solid panel door.

\*\* Depth measurement 500 includes space for condensation

\*\*\* 160/160 top: 2 glass shelves (width 470 mm, depth 254 mm) are always supplied with drawers as standard

# Technical data



## MED SAVE Medical Cupboards

MED SAVE			MED SAVE 320	MED SAVE 320 GD glass door
External dimensions	Width	mm	595	595
Note! **	Depth	mm	500 + 30 (handle)	500 + 30 (handle)
	Height	mm	2030	2030
Internal dimensions	Width	mm	475	475
	Depth	mm	340 (206 front)	340 (206 front)
Front / back	Height	mm	1600 / 1520	1600 / 1520
Volume (measured on a stainless-steel shelf according to DIN standard)	Net	liters	227	227
Volume	Gross	liters	256	256
Inner surfaces			PS polystyrene	PS polystyrene
Weight	Net	kg	108	108
Package weight	Gross	kg	109	109
Package size	Width	mm	680	680
	Depth	mm	600	600
	Height	mm	2170	2170
Sound level measured at the distance of 1m and from the height of 1.6 m		dB	43	43
Ambient temperature		°C	+5...+32	+5...+32
Operating temperature		°C	+2...+15	+2...+15
Temperature accuracy			DIN58345	DIN58345
Refrigerant	R600a	g	80	80
Connection Power		W	75	75
Fuse	Slow	A	10	10
Voltage		V	230/50 Hz	230/50 Hz
Defrost 1. Air 2. Hot gas 3. Electric			1 automatic	1 automatic
Energy consumption (kW/d) (GD LED light OFF/ON)		kW	0,9	1,2/1,25
<b>SHELVES OR DRAWERS:</b>				
Full depth 1/1 glass shelf: width 475 mm, depth 260 mm (amount standard/maximum)		pcs	6/12	6/12
OR				
Stainless steel shelf : depth 475 mm, depth 330 mm (amount standard/maximum)		pcs	6/12	6/12
OR				
Drawers: width 460 mm, depth 253 mm (amount standard/maximum)		pcs	6/10	6/10

Ensure that there is sufficient air circulation around the device so that condensate air can freely enter the environment. See the end of the specifications for more information.

\*\* Depth measurement 500 includes space for condensation

## MED SAVE Medical Cupboards

### MED SAVE accessories

KK9018	GLASS SHELF SMALL SIZE BOTTOM POSITION
KK9014	GLASS SHELF MEDIUM SIZE 1/2 (STANDARD WITH DOOR SHELF, DEPTH 175 MM)
KK9015	GLASS SHELF FULL SIZE 1/1 (WIDTH 475 MM x DEPTH 260 MM)
KK9010	FLAT BOTTOMED PLASTIC DRAWER + DIVIDERS (INCLUDE 2 PCS KK2371 AND 3 PCS KK2372)
KK2991	STAINLESS STEEL SHELF (WIDTH 475 MM x DEPTH 330 MM)
KK2371	LONGITUDINAL DIVIDER (A) FOR DRAWER
KK2372	CROSS DIVIDER (B) FOR DRAWER
KK2373	DIVIDER (C) FOR DOOR SHELF
KK9101	ELECTRONIC LOCK iLOQ + ONE KEY (MODELS 80, 120, 200, 320) Further information: <a href="http://www.iloq.com">www.iloq.com</a>
KK9102	ELECTRONIC LOCK iLOQ + ONE KEY (MODELS 160/160), SEPARATE LOCKS FOR UPPER AND LOWER CUPBOARD, Further information: <a href="http://www.iloq.com">www.iloq.com</a>
L-ILOQ160/160	ELECTRONIC LOCK iLOQ + ONE KEY (MODELS 160/160), SHARED LOCK FOR UPPER AND LOWER CUPBOARD, Further information: <a href="http://www.iloq.com">www.iloq.com</a>
KK9100	iLOQ S10 ADDITIONAL KEY (NOT PROGRAMMED)
KK9023	ABOLY LOCK SERIALISATION
KK9047	ADDITIONAL ABLOY KEY
KK9053	LED LIGHT (AS A STANDARD IN GD MODELS)
KK3374	ROLLER WHEEL AT THE BACK SIDE OF THE CABINET (15 MM MORE FOR TOTAL HEIGHT) NOTICE! ONLY 1-DOOR MODELS
L-KK2677	STAND H=120 MM (MED 80 TOTAL HEIGHT H=860 MM)
KK9055	DOOR MOUNTED NARCOTIC LOCKER INSTEAD OF TWO DOOR SHELVES (WIDTH 440 MM x DEPTH 80 MM x HEIGHT 240 MM)
L-KK3388	NARCOTIC DRAWER, ABLOY LOCK+ 2 SENTRY KEYS (WIDTH 435 MM x DEPTH 280 MM x HEIGHT 85 MM)
KK9059	RJ45 (WHITE, BLUE) CABLE 2.5 METER
KK9046	CUSTOMER DELIVERED FACTORY MOUNTED PROBE FOR REMOTE MONITORING
KK9051-1	ANTI-FREEZE FUNCTION
KK9051-2	DIN ACCESSORY PACKAGE (BATTERY BACKUP AND ANTI-FREEZE PROTECTION, DIN58345 REQUIREMENT)
L-OKP043	GROUNDING CABLE (3.0 M) WITH ANGELED SOCKET SSTL NRO 7060292
KK3021	DOOR OPENING PEDAL



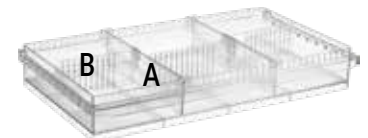
GLASS SHELF SMALL SIZE BOTTOM POSITION



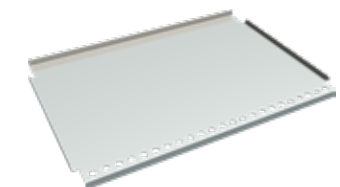
GLASS SHELF MEDIUM SIZE 1/2  
(STANDARD WITH DOOR SHELF)



GLASS SHELF FULL SIZE 1/1



FLAT BOTTOMED PLASTIC DRAWER + DIVIDERS



STAINLESS STEEL SHELF



DIVIDER (C) FOR DOOR SHELF



iLOQ



NARCOTIC DRAWER



LED LIGHT



RJ45 CABLE



STAND H=180 MM

# Technical data

## MED SAVE freezers

R290  
Refrigerant

MED SAVE			SAVE F 120
External dimensions	Width	mm	595
Note! **	Depth	mm	500 + 30 (handle)
	Height	mm	860
Internal dimensions	Width	mm	475
	Depth	mm	339 / 206
Front / back	Height	mm	610 / 530
Volume (measured on a stainless-steel shelf according to DIN standard)	Net	liters	70
	Gross	liters	80
Inner surfaces			PS polystyrene
Weight	Net	kg	69
Package weight	Gross	kg	74
Package size	Width	mm	680
	Depth	mm	600
	Height	mm	1470
Sound level measured at the distance of 1m and from the height of 1.6 m		dB	42
Ambient temperature		°C	+5...+30
Operating temperature		°C	-15...-25
Temperature accuracy		°C	DIN58345
Refrigerant	R290	g	55
Connection Power		W	50
Fuse	Slow	A	10
Voltage		V	230/50 Hz
Defrost 1. Air 2. Hot gas 3. Electric			2 automatic
Energy consumption (kW/d) (GD LED light OFF/ON)		kW	2,3
SHELVES:			
Stainless steel shelf 1/1 : depth 475 mm, depth 340 mm (amount standard/maximum)		pcs	3/4
OR			
Full depth 1/1 glass shelf: width 475 mm, depth 260 mm (amount standard/maximum)		pcs	3/4

MED F 120



Ensure that there is sufficient air circulation around the device so that condensate air can freely enter the environment. See the end of the specifications for more information.

\*\* Depth measurement 500 includes space for condensation



# Technical data

## MED SAVE freezers

**R290  
Refrigerant**

MED SAVE			F 200
External dimensions	Width	mm	595
Note! **	Depth	mm	500 + 30 (handle)
	Height	mm	1350
Internal dimensions	Width	mm	475
	Depth	mm	339 / 206
Front / back	Height	mm	895 / 815
Volume (measured on a stainless-steel shelf according to DIN standard)	Net	litra	150
	Gross	litra	176
Inner surfaces			PS polystyrene
Weight	Net	kg	69
Package weight	Gross	kg	74
Package size	Width	mm	680
	Depth	mm	600
	Height	mm	1470
Sound level measured at the distance of 1m and from the height of 1.6 m		dB	42
Ambient temperature		°C	+5...+30
Operating temperature		°C	-15...-25
Temperature accuracy		°C	DIN58345
Refrigerant	R290	g	55
Connection Power		W	50
Fuse	Slow	A	10
Voltage		V	230/50 Hz
Defrost 1. Air 2. Hot gas 3. Electric			2 automatic
Energy consumption (kW/d)		kW	2,9
SHELVES:			
Stainless steel shelf 1/1 : depth 475 mm, depth 330 mm (amount standard/maximum)		kpl	5/7
OR			
Full depth 1/1 glass shelf: width 475 mm, depth 260 mm (amount standard/maximum)		kpl	5/7

MED SAVE F 200



Ensure that there is sufficient air circulation around the device so that condensate air can freely enter the environment. See the end of the specifications for more information.

\*\* Depth measurement 500 includes space for condensation

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## MED SAVE freezers

### MED freezer accessories

KK9018	GLASS SHELF SMALL SIZE BOTTOM POSITION
KK9015	GLASS SHELF FULL SIZE 1/1 (WIDTH 475 MM x DEPTH 260 MM)
KK9101	ELECTRONIC LOCK iLOQ + ONE KEY Further information: <a href="http://www.iloq.com">www.iloq.com</a>
KK9100	iLOQ S10 ADDITIONAL KEY (NOT PROGRAMMED)
KK9023	ABOLY LOCK SERIALISATION
KK9047	ADDITIONAL ABLOY KEY
KK9053	LED LIGHT
KK9059	RJ45 (WHITE, BLUE) CABLE 2.5 METER
KK9046	CUSTOMER DELIVERED FACTORY MOUNTED PROBE FOR REMOTE MONITORING
L-OKP043	GROUNDING CABLE (3.0 M) WITH ANGELED SOCKET SSTL NRO 7060292
KK3021	DOOR OPENING PEDAL



GLASS SHELF SMALL SIZE BOTTOM POSITION



GLASS SHELF FULL SIZE 1/1



iLOQ



LED LIGHT



RJ45 CABLE

# Technical data

## MED SAVE freezers

R290  
Refrigerant



MED SAVE F 120



MED SAVE F 200

# Technical data

R290  
Refrigerant

R600a  
Refrigerant

## MEDLAB SAVE 400 Spark-proof Laboratory Refrigeration Equipment

MEDLAB SAVE 400, spark-proof, pharmaceutical and laboratory refrigeration and freezer cabinets MEDLAB SAVE 400 cabinet series has a wide selection of refrigeration, freezing and combination cabinets. The products are suitable for storing medications and test samples, as well as for storage of various substances and materials, which require a steady storage temperature and spark protection. MEDLAB SAVE 400 refrigeration cabinet is also available with a glass door.

**SPARK  
PROOF  
INTERIOR**



MEDLAB SAVE C 400, F 400



MEDLAB SAVE C/F 400



MEDLAB SAVE C 400 GD



MEDLAB SAVE C GD/F 400

MEDLAB SAVE 400 cabinet series is suitable for drug storage in hospitals and pharmacies. The standard version has a number of features that improve drug storage and product safety. The interior surfaces of the FP MEDLAB 400 cabinets are easy to clean, and the cabinets are spark-proof, making them ideal for laboratory use.

The features of MEDLAB SAVE 400 cabinet series are in compliance with the requirements of the future, and the collection is in compliance with the requirements of the new F-Gas Regulation (No 517/2014).

## MEDLAB SAVE 400 Spark-proof Laboratory Refrigeration Equipment

MEDLAB SAVE 400 series has paid special attention to the safe storing of the products, and the storage temperatures are in compliance with the requirements of DIN 58345. All the cabinets come with anti-freeze protection (C-models) and potential-free alarm tip information for the building's control system. The cabinets have an internal functioning control system, which will alert visually on the screen, if necessary, and acoustically with the alarm tone of all the deviations related to the use or operation of the cabinet.

In MEDLAB SAVE 400 cabinet series, ease of use means a clear and easy-to-use control unit, stainless steel pull-out shelves with flat surfaces that are easy to clean, a low noise level and low energy consumption.

Fan assisted air distribution ensures accurate product storage temperatures and product safety is assured by product safety alarm features.

The characteristics of the product can be complemented by control unit with temperature recording meeting the requirements of refrigeration for drugs according to standard DIN58345.

### Features

- Excellent temperature uniformity ( $\pm 1^{\circ}\text{C}$ ) measured in according to DIN 58345
- Low noise level, under 45 dB(A)
- Bacteria-free automatic evaporation for condensation water
- Bacterial-free door handle
- Control unit with clear numeric display for temperature and other functions
- Real time temperature recording and USB port for data reading
- Key lock on the control unit
- Recording of maximum and minimum temperature
- Visual and audible high/low temperature alarm
- Temperature monitor during defrost
- Door switch for fan control and door open-alarms
- Probe failure alarm
- Anti-freeze function (C models)
- Readiness for RS485 adapter for computer connection
- Potential free (no voltage) alarm coupling readiness for real estate monitoring
- $\varnothing 8$  mm sleeved access port for additional probe
- 50 ml bottle for temperature sensor inside the cabinet (not together with 8 shelves)
- fan assisted air distribution
- Molded eco-friendly polyurethane insulated frame. The insulation thickness is 55 mm.
- External finish has a white polyester coated sheet steel (visible finish)
- Interior finish in stainless steel
- Stainless steel shelf which are adjustable in increments of 30 mm or drawer + stainless steel shelf combination
- Abloy lock is placed in front panel for easy maintenance (Abloy Sentry key)
- The self-closing door has a sturdy molded handle, magnetic seal, and durable hinges. The door remains open at a 90 degree angle
- Automatic or manual defrost
- Efficient, environmental friendly, energy saving refrigerant system R600a or R290
- Electrical supply 230V/50Hz

### Accessories

- Stainless steel shelf
- LED light (standard in GD models)
- Lock alternatives: Assa, iLOQ, Ruko (Abloy as a standard)
- 12-hour battery backup for control unit's power failure alarm and temperature recording (DIN 58345 requirement)

# Technical data

R290  
Refrigerant

R600a  
Refrigerant

## MEDLAB SAVE 400 Spark-proof Laboratory Refrigeration Equipment

MEDLAB SAVE			MEDLAB SAVE C 400	MEDLAB SAVE F 400	MEDLAB SAVE C/F 400	
					UPPER C	LOWER F
External dimensions	Width	mm	610	610	610	
	Depth	mm	746	746	746	
Height adjustable thumb screw legs (standard)	Height	mm	2000	2000	2000	
Height adjustable stainless steel legs	Height	mm	2150	2150	2150	
Castors (lockable front castors)	Height	mm	2095	2095	2095	
Internal dimensions	Width	mm	498	498	498	498
	Depth	mm	538	538	538	538
Front/back	Height	mm	1540/1395	1540/1395	779	711/565
Volume (measured on a stainless-steel shelf according to DIN standard)	Net	liters	346	346	180	135
	Gross	liters	451	451	219	216
Weight	Net	kg	102	120	132	
Package weight	Gross	kg	112	130	142	
Package size	Width	mm	700	700	700	
	Depth	mm	810	810	810	
Height adjustable thumb screw legs	Height	mm	2140	2140	2140	
Height adjustable stainless steel legs	Height	mm	2300	2300	2300	
Sound level measured at the distance of 1m and from the height of 1.6 m		dB	43	45	45	
Ambient temperature		°C	+5...+30	+5...+30	+5...+30	
Operating temperature		°C	+2...+15	-15...-25	+2...+15	-15...-25
Temperature accuracy			DIN58345		DIN58345	
Refrigerant			R600 / 80 g	R290 / 85 g	R600 / 40 g	R600 / 75 g
Connection Power		W	75	240	250	
Fuse	Slow	A	10	10	10	
Voltage		V	230/50 Hz	230/50 Hz	230/50 Hz	230/50 Hz
Defrost			1	2	3	2
1. Air 2. Hot gas 3. Electric			automatic	automatic	automatic	automatic
Energy consumption (kW/d) (GD LED light OFF/ON)		kW	1,1	3,76	3,47	
SHELVES:						
Stainless steel shelf, width 498 mm, depth 513 mm		pcs	5	5	2	2



STAINLESS STEEL SHELF



FLAT BOTTOMED PLASTIC BOX DRAWER

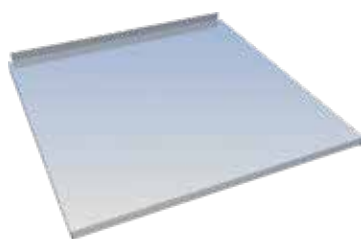
# Technical data

R290  
Refrigerant

R600a  
Refrigerant

## MEDLAB SAVE 400 Spark-proof Laboratory Refrigeration Equipment

MEDLAB SAVE glass door and combination cabinets			MEDLAB SAVE C 400 GD	MEDLAB SAVE C GD / F 400	
				UPPER C GD	LOWER F
External dimensions	Width	mm	610	610	
	Depth	mm	746	746	
Height adjustable thumb screw legs (standard)	Height	mm	2000	2000	
Height adjustable stainless steel legs	Height	mm	2150	2150	
Castors (lockable front castors)	Height	mm	2095	2095	
Internal dimensions	Width	mm	498	498	498
	Depth	mm	538	538	538
Front/back (from bottom up to filling limit)	Height	mm	1533/1387	779	711/565
Volume (measured on a stainless-steel shelf according to DIN standard)	Net	liters	346	180	135
	Gross	liters	451	219	216
Weight	Net	kg	102	142	
Package weight	Gross	kg	112	152	
Package size	Width	mm	700	700	
	Depth	mm	810	810	
Height adjustable thumb screw legs	Height	mm	2140	2140	
Height adjustable stainless steel legs	Height	mm	2300	2300	
Sound level measured at the distance of 1m and from the height of 1.6 m		dB	44	45	
Ambient temperature		°C	+5...+25	+5...+25	
Operating temperature		°C	+2...+15	+2...+15	-15...-25
Temperature accuracy			DIN58345	DIN58345	DIN58345
Refrigerant			R600 / 80 g	R600 / 40 g	R600 / 40 g
Connection Power		W	75	250	
Fuse	Slow	A	10	10	
Voltage		V	230/50/60 Hz	230/50 Hz	230/50 Hz
Defrost 1. Air 2. Hot gas 3. Electric			1 automatic	3 automatic	2 manual /automatic
Energy consumption (kW/d) (GD LED light OFF/ON)		kW	1,4/1,7	3,77	
SHELVES:					
Stainless steel shelf, width 498 mm, depth 513 mm		pcs	5	2	2



STAINLESS STEEL SHELF



FLAT BOTTOMED PLASTIC BOX DRAWER

\* C GD/F door handedness must be mentioned in product order. Changing handedness afterwards requires replacement of doors.

## MEDLAB SAVE 400 Spark-proof Laboratory Refrigeration Equipment

### MEDLAB SAVE 400 factory mounted accessories

KK4050	STAINLESS STEEL SHELF , DEPTH 513 MM
KK4248	GLASS SHELF FULL SIZE 1/1 (DEPTH 515 MM)
KK4185	FLAT BOTTOMED STEEL DRAWER (INCLUDES 3 PCS DIVIDERS AND DIVIDER COMB) 460 MM WIDHT x 485 MM DEPTH x 50 MM HEIGHT
KK4219	LONGITUDINAL DIVIDER FOR STEEL DRAWER
L-KK5214	FLAT BOTTOMED PLASTIC BOX DRAWER €/PC, 2 PCS/SHELF LENGHT 500MM x WIDTH 234MM x HEIGHT 140MM
KK4184	GRID DRAWER 480x480x200 MM
L-SKK080 L-SKK081	CASTORS 4 PCS, LOCKABLE FRONT CASTORS
KK9053	LED LIGHT (AS A STANDARD IN GD MODELS)
KK9023	ABLOY LOCK SERIALISATION
KK9047	ADDITIONAL ABLOY KEY
KK9101	ELECTRONIC LOCK iLOQ + ONE KEY (MODELS C AND F) Lisätietoja: <a href="http://www.iloq.com">www.iloq.com</a>
L-ILOQ 400 C/F	ELECTRONIC LOCK iLOQ + ONE KEY (MODEL C/F SHARED LOCK FOR UPPER AND LOWER CUPBOARD) Further information: <a href="http://www.iloq.com">www.iloq.com</a>
KK9100	iLOQ S10 ADDITIONAL KEY (NOT PROGRAMMED)
KK9059	RJ45 (WHITE, BLUE) CABLE 2.5 METER
KK9046	CUSTOMER DELIVERED FACTORY MOUNTED PROBE FOR REMOTE MONITORING
KK9051-3	BATTERY BACKUP (DIN58345) PRICE: SINGLE DOOR CABINETS / 2-DOORS CABINETS
L-OKP043	GROUNDING CABLE (3.0 M) WITH ANGELED SOCKET SSSL NRO 7060292
KK3021	DOOR OPENING PEDAL



STAINLESS STEEL SHELF (C AND F 400)



GLASS SHELF FULL SIZE 1/1



FLAT BOTTOMED STEEL DRAWER  
+ LONGITUDINAL DIVIDER



FLAT BOTTOMED PLASTIC BOX DRAWER



RJ45 CABLE



WIRE BASKET, DRAWER



iLOQ S10



# Technical data

R290  
Refrigerant

R600a  
Refrigerant

## MEDLAB SAVE 400 Spark-proof Laboratory Refrigeration Equipment



MEDLAB SAVE C 400



MEDLAB SAVE C/F 400

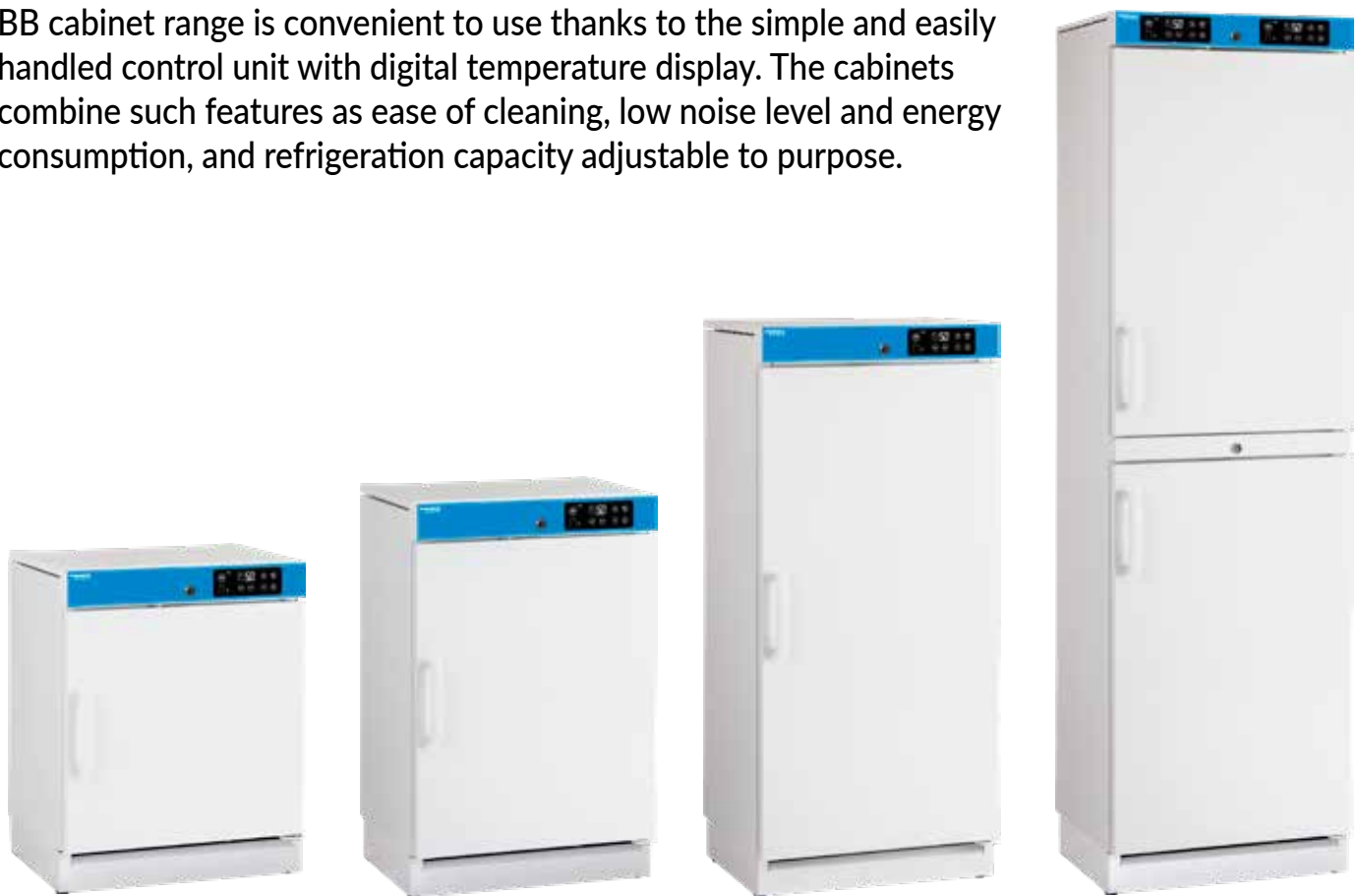
## BB bloodbanks

Cabinets of the BB series are suited for blood banks and hospitals. The standard cabinets have a number of features improving storage of red cell preparations and product safety. Internal surfaces of BB blood banks are easy to clean.

The properties of the BB blood bank cabinet series meet future requirements, and the product ranges complies with the provisions of the new F-gas regulation (No. 517/2014). The BB series products are designed with a particular attention to safe storage of products, and the storage temperatures satisfy even the most stringent requirements.

The cabinets feature the anti-freeze function and the potential-free alarm contact data to the control centre. The cabinets feature an internal control system, which displays a visual alarm on the display, and gives audible alarms signals whenever any abnormality occurs. To protect against power failures the cabinet has a battery backup system that supplies power to the temperature recording and alarm systems during power outages.

BB cabinet range is convenient to use thanks to the simple and easily handled control unit with digital temperature display. The cabinets combine such features as ease of cleaning, low noise level and energy consumption, and refrigeration capacity adjustable to purpose.



BB 80

BB 120

BB 200

BB 160/160

## BB bloodbanks

### Features

- Excellent temperature uniformity ( $\pm 1^{\circ}\text{C}$  DIN 58371)
- Äänitaso alle 45 dB(A)
- Bacteria-free automatic evaporation for condensation water
- Bacteria-free door handle
- The big doors feature a lever handle that reduces the force needed for opening the door.
- Control unit with clear numeric LED display for temperature and other functions
- Recording of maximum and minimum temperature
- Visual and audible high/low temperature alarm
- Door switch for fan control and door open-alarms
- Key lock on the control unit
- Probe failure alarm
- Anti-freeze protection
- Temperature monitor during defrost
- Real time temperature recording and USB port for data reading
- $\varnothing$  8 mm sleeved access port for additional probe
- 12-hour battery backup for control unit's power failure alarm and temperature recording
- 50 ml bottle for a temperature sensor inside the cabinet (not with 8 shelves)
- Potential free (no voltage) alarm coupling readiness for real estate monitoring
- Readiness for RS485 adapter for computer connection
- fan assisted air distribution
- Molded eco-friendly polyurethane insulated frame. The insulation thickness is 50 mm
- Visible external finish has a white polyester coated sheet steel
- Interior finish in stainless steel BB 80, 200, 160/160 and 400 models
- Interior finish in white vacuum foamed polystyrene BB 120 model
- Stainless steel shelf which are adjustable in increments of 30 mm. The standard set includes 5 shelves and shelf racks 2 pcs/ shelf for storing blood bags (BB 400 model). The front surface of a shelf rack features a transparent window.
- Drawers in BB 80, BB 120, BB 200 and BB 160/160 series
- Abloy lock is placed in front panel for easy maintenance (Abloy Sentry key)
- The self-closing door has a sturdy molded handle, magnetic seal, and durable hinges. The door remains open at a 90 degree angle
- Automatic defrost
- Efficient, environmental friendly, energy saving refrigerant system R600a
- Electrical supply 230V/50Hz



BB 400

### Accessories

- Stainless steel shelf + 2 pcs high flat bottomed plastic boxes (BB400 6 and 7 level)
- LED light (standard in GD models)
- Lock alternatives: Assa, iLOQ, Ruko
- 120 mm stand (BB 80, BB 120 and BB 200) and stand 160 mm (BB80)
- Roller wheels back side (BB 80, BB 120 and BB 200), height increase 15mm
- Adjustable feet h=150-200 mm or castors (BB 400)

## BB bloodbanks

BB			BB 80	BB 80 GD glass door
External dimensions	Width	mm	595	595
Note: **	Depth	mm	500 + 30 (handle)	500 + 30 (handle)
Table top model without stand	Height	mm	750	750
Furniture or wall mounting model without stand	Height	mm	750	750
Under counter model with stand, height 120 mm	Height	mm	860	860
Internal dimensions	Width	mm	497	497
	Depth	mm	339/206	339/206
Front / back	Height	mm	470 / 390	470 / 390
Volume (measured on a stainless-steel shelf according to DIN standard)	Net	liters	64	64
	Gross	liters	76	93
Inner surfaces			Stainless steel	Stainless steel
Weight	Net	kg	49	54
Package weight	Gross	kg	52	52
Package size	Width	mm	680	680
	Depth	mm	600	600
	Height	mm	920	920
Sound level measured at the distance of 1m and from the height of 1.6 m		dB	40	41
Ambient temperature		°C	+5...+32	+5...+32
Operating temperature		°C	+2...+6	+2...+6
Temperature accuracy			DIN58371	DIN58371
Refrigerant	R600a	g	42	42
Connection Power		W	50	50
Fuse	Slow	A	10	10
Voltage		V	230/50 Hz	230/50 Hz
Defrost 1. Air 2. Hot gas 3. Electric			3 automatic	3 automatic
Energy consumption (kW/d) (GD LED light OFF/ON)		kW	0,9	0,95/1,3
SHELVES OR DRAWERS:				
Stainless steel shelf, width 495 mm, depth 330 mm (amount standard/maximum)		pcs	2/3	2/3
OR				
Drawers, width 460 mm, depth 253 mm (amount standard/maximum)		pcs	2/3	2/3

Ensure that there is sufficient air circulation around the device so that condensate air can freely enter the environment. See the end of the specifications for more information.

\*\* Depth measurement 500 includes space for condensation

## BB bloodbanks

BB			BB 120	BB 120 GD glass door
External dimensions	Width	mm	595	595
Note: **	Depth	mm	500 + 30 (handle)	500 + 30 (handle)
	Height	mm	860	860
	Internal dimensions	Width	mm	475
	Depth	mm	339 / 206	339 / 206
Front / back	Height	mm	580 / 500	580 / 500
Volume (measured on a stainless-steel shelf according to DIN standard)	Net	mm	83	83
	Gross	liters	100	100
Inner surfaces		liters	PS polystyrene	PS polystyrene
Weight	Net		54	59
Package weight	Gross	kg	58	63
Package size	Width	kg	680	680
	Depth	mm	600	600
	Height	mm	1070	1070
Sound level measured at the distance of 1m and from the height of 1.6 m		mm	41	42
Ambient temperature		dB	+5...+32	+5...+32
Operating temperature		°C	+2...6	+2...6
Temperature accuracy		°C	DIN58371	DIN58371
Refrigerant	R600a		50	50
Connection Power		g	50	50
Fuse	Slow	W	10	10
Voltage		A	230/50 Hz	230/50 Hz
Defrost 1. Air 2. Hot gas 3. Electric		V	3 automatic	3 automatic
Energy consumption (kW/d) (GD LED light OFF/ON)		kW	1	1,1/1,37
SHELVES OR DRAWERS:		kW		
Stainless steel shelf, width 495 mm, depth 330 mm (amount standard/maximum)		pcs	3/4	3/4
OR				
Drawers, width 460 mm, depth 253 mm (amount standard/maximum)		pcs	3/4	3/4

Ensure that there is sufficient air circulation around the device so that condensate air can freely enter the environment. See the end of the specifications for more information.

\*\* Depth measurement 500 includes space for condensation

## BB bloodbanks

BB			BB 200	BB 200 GD glass door
External dimensions	Width	mm	595	595
Note! **	Depth	mm	500 + 30 (handle)	500 + 30 (handle)
	Height	mm	1325	1325
	Internal dimensions	Width	mm	497
	Depth	mm	339/206	339/206
Front / back	Height	mm	1045 / 965	1045 / 965
Volume (measured on a stainless-steel shelf according to DIN standard)	Net	liters	156	156
	Gross	liters	182	182
Inner surfaces			Stainless steel	Stainless steel
Weight	Net	kg	72	77
Package weight	Gross	kg	77	77
Package size	Width	mm	680	680
	Depth	mm	600	600
	Height	mm	1470	1470
Sound level measured at the distance of 1m and from the height of 1.6 m		dB	40	41
Ambient temperature		°C	+5...+32	+5...+32
Operating temperature		°C	+2...+6	+2...+6
Temperature accuracy			DIN58371	DIN58371
Refrigerant	R600a	g	55	55
Connection Power		W	50	50
Fuse	Slow	A	10	10
Voltage		V	230/50 Hz	230/50 Hz
Defrost 1. Air 2. Hot gas 3. Electric			3 automatic	3 automatic
Energy consumption (kW/d) (GD LED light OFF/ON)		kW	0,74	0,9/1,25
<b>SHELVES AND DRAWERS:</b>				
Stainless steel shelf, width 495 mm, depth 330 mm (amount standard/maximum)		pcs	5/8	5/8
OR				
Drawers: width 460 mm, depth 253 mm (amount standard/maximum)		pcs	5/8	5/8

Ensure that there is sufficient air circulation around the device so that condensate air can freely enter the environment. See the end of the specifications for more information.

\*\* Depth measurement 500 includes space for condensation

## BB bloodbanks

BB			BB 160/160		BB 160/160 GD glass door	
			UPPER	LOWER	UPPER	LOWER
External dimensions	Width	mm	595		595	
Note! **	Depth	mm	500 + 30 (handle)		500 + 30 (handle)	
	Height	mm	2030		2030	
Internal dimensions	Width	mm	475	475	475	475
	Depth	mm	339	339 / 206	339	339 / 206
Front / back	Height	mm	815	896 / 816	815	896 / 816
Volume (measured on a stainless-steel shelf according to DIN standard)	Net	liters	117	115	117	115
	Gross	liters	143	141	143	141
Inner surfaces			Stainless steel		Stainless steel	
Weight	Net	kg	104		109	
Package weight	Gross	kg	109		114	
Package size	Width	mm	680		680	
	Depth	mm	600		600	
	Height	mm	2170		2170	
Sound level measured at the distance of 1m and from the height of 1.6 m		dB	43		44	
Ambient temperature		°C	+5...+32		+5...+32	
Operating temperature		°C	+2...+6		+2...+6	
Temperature accuracy			DIN58371		DIN58371	
Refrigerant	R600a	g	2 x 50		2 x 50	
Connection Power		W	100		100	
Fuse	Slow	A	10		10	
Voltage		V	230/50 Hz		230/50 Hz	
Defrost 1. Air 2. Hot gas 3. Electric			3 automatic		3 automatic	
Energy consumption (kW/d) (GD LED light OFF/ON)		kW	1,95		2,1/2,7	
SHELVES AND DRAWERS:						
Stainless steel shelf, width 495 mm, depth 330 mm (amount standard/maximum)		pcs	4/6	4/6	4/6	4/6
OR						
Drawers: width 460 mm, depth 253 mm (amount standard/maximum)		pcs	2/4 *	4/6	2/4 *	4/6

Ensure that there is sufficient air circulation around the device so that condensate air can freely enter the environment. See the end of the specifications for more information.

\* 160/160 top: 2 stainless steel shelves (width 495 mm, depth 325 mm) are always supplied with drawers as standard

\*\* Depth measurement 500 includes space for condensation

## BB bloodbanks

BB			BB 400	BB 400 GD glass door
External dimensions	Width	mm	610	610
	Depth	mm	746	746
Height adjustable thumb screw legs (standard)	Height	mm	2000	2000
Height adjustable stainless steel legs	Height	mm	2150	2150
Castors (lockable front castors)	Height	mm	2095	2095
Internal dimensions	Width	mm	498	498
	Depth	mm	538	538
Front/back	Height	mm	1533/1387	1533/1387
Volume (measured on a stainless-steel shelf according to DIN standard)	Net	liters	346	346
	Gross	liters	451	451
Weight	Net	kg	102	120
	Gross	kg	112	112
Package size	Width	mm	700	700
	Depth	mm	810	810
Height adjustable thumb screw legs	Height	mm	2140	2140
Height adjustable stainless steel legs	Height	mm	2300	2300
Sound level measured at the distance of 1m and from the height of 1.6 m		dB	43	44
Ambient temperature		°C	+5...+30	+5...+30
Operating temperature		°C	+2...+6	+2...+6
Temperature accuracy			DIN58371	DIN58371
Refrigerant			R600 / 80 g	R600 / 80 g
Connection Power		W	75	75
Fuse	Slow	A	10	10
Voltage		V	230/50 Hz	230/50 Hz
Defrost 1. Air 2. Hot gas 3. Electric			1 automatic	1 automatic
	Energy consumption (kW/d) (GD LED light OFF/ON)		kW	1,1
SHELVES:				
1. Stainless steel shelf, width 498 mm x depth 513 mm (amount standard/maximum) (includes 2 pcs 140 mm tall shelf boxes)		psc	5 / 8	5 / 8
SHELF BOXES (ACCESSORY):				
2. Shelf box, width 234 mm x length 500 mm x height 140 mm				



STAINLESS STEEL SHELF



FLAT BOTTOMED PLASTIC SHELF BOXES

Note! Box lids and dividers must be ordered separately



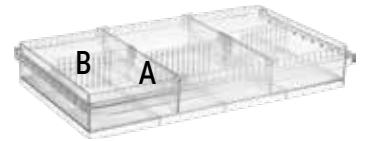
## BB bloodbanks

BB			BB / F 400		BB 400 GD / F 400 *	
			UPPER C	LOWER F	UPPER C glass door	LOWER F solid door
External dimensions	Width	mm	610		610	
	Depth	mm	746		746	
Height adjustable thumb screw legs (standard)	Height	mm	2000		2000	
Height adjustable stainless steel legs	Height	mm	2150		2150	
Castors (lockable front castors)	Height	mm	2095		2095	
Internal dimensions	Width	mm	498	498	498	498
	Depth	mm	538	538	538	538
Front/back (from bottom up to filling limit)	Height	mm	779	711/565	779	711/565
Volume (measured on a stainless-steel shelf according to DIN standard)	Net	liters	180	135	180	135
	Gross	liters	219	216	219	216
Weight	Net	kg	132		142	
Package weight	Gross	kg	142		152	
Package size	Width	mm	700		700	
	Depth	mm	810		810	
Height adjustable thumb screw legs	Height	mm	2140		2140	
Height adjustable stainless steel legs	Height	mm	2300		2300	
Sound level measured at the distance of 1m and from the height of 1.6 m		dB	45		45	
Ambient temperature		°C	+5...+30		+5...+25	
Operating temperature		°C	+2...+6	-15...-25	+2...+6	-15...-25
Temperature accuracy			DIN58371		DIN58371	
Refrigerant			R600 / 40 g	R600 / 75 g	R600 / 40 g	R600 / 75 g
Connection Power		W	250		250	
Fuse	Slow	A	10		10	
Voltage		V	230/50 Hz		230/50 Hz	
Defrost			3	2	3	2
1. Air 2. Hot gas 3. Electric			aautomatic	aautomatic	aautomatic	aautomatic
Energy consumption (kW/d) (GD LED light OFF/ON)		kW	3,47		3,77	
SHELVES:						
1. Stainless steel shelf, width 498 mm x depth 513 mm (includes 2 pcs 140 mm tall shelf boxes)		psc	2	-	2	-
2. Stainless steel shelf, width 498 mm x depth 513 mm		pcs	-	2	-	2
SHELF BOXES (ACCESSORY):						
3. Shelf box, width 234 mm x length 500 mm x height 140 mm						

\* C GD/F door handedness must be mentioned in product order. Changing handedness afterwards requires replacement of doors.

### BB 80, 120, 200 and 160/160 factory mounted accessories

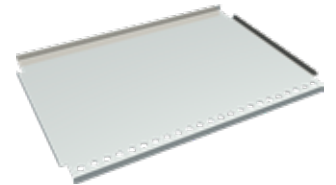
KK9010	FLAT BOTTOMED PLASTIC DRAWER + DIVIDERS (INCLUDE 2 PCS KK2371 AND 3 PCS KK2372)
KK2371	LONGITUDINAL DIVIDER (A) FOR DRAWER
KK2372	CROSS DIVIDER (B) FOR DRAWER
KK2379	GLASS SHELF FULL SIZE 1/1 (WIDTH 475 MM x DEPTH 315 MM) BB 80, BB 200
KK9015	GLASS SHELF FULL SIZE 1/1 (WIDTH 475 MM x DEPTH 260 MM) BB 120, BB 160/160
KK2991	STAINLESS STEEL SHELF (WIDTH 475 MM x DEPTH 330 MM)
KK9101	ELECTRONIC LOCK iLOQ + ONE KEY (MODELS 80, 120, 200) Further information: <a href="http://www.ilq.com">www.ilq.com</a>
KK9102	ELECTRONIC LOCK iLOQ + ONE KEY (MODELS 160/160) Further information: <a href="http://www.ilq.com">www.ilq.com</a>
L-ILOQ160/160	ELECTRONIC LOCK iLOQ + ONE KEY (MODELS 160/160), SHARED LOCK FOR UPPER AND LOWER CUPBOARD, Further information: <a href="http://www.ilq.com">www.ilq.com</a>
KK9100	iLOQ S10 ADDITIONAL KEY (NOT PROGRAMMED)
KK9023	ABLOY LOCK SERIALISATION
KK9047	ADDITIONAL ABLOY KEY
KK9053	LED LIGHT (AS A STANDARD IN GD MODELS)
L-KK2679	STAND H=120 MM (BB 80 TOTAL HEIGHT H=860 MM)
L-KK3282	STAND H=160 MM (BB 80 TOTAL HEIGHT H=900 MM)
KK3374	ROLLER WHEEL AT THE BACK SIDE OF THE CABINET (15 MM TOTAL HEIGHT INCREASE) NOTE! ONLY 1-DOOR MODELS
KK9059	RJ45 (WHITE, BLUE) CABLE 2.5 METER
KK9046	CUSTOMER DELIVERED FACTORY MOUNTED PROBE FOR REMOTE MONITORING
L-OKP043	GROUNDING CABLE (3.0 M) WITH ANGELED SOCKET SSSL NRO 7060292
KK3021	DOOR OPENING PEDAL



FLAT BOTTOMED PLASTIC DRAWER + DIVIDERS



GLASS SHELF FULL SIZE 1/1



STAINLESS STEEL SHELF



iLOQ



LED LIGHT



STAND H=120 MM



RJ45 CABLE

### BB 400 factory mounted accessories

KK4050	STAINLESS STEEL SHELF , DEPTH 513 MM
KK2382	FLAT BOTTOMED PLASTIC DRAWER + STAINLESS STEEL SHELF
KK4248	GLASS SHELF FULL SIZE 1/1 (DEPTH 515 MM)
KK4185	FLAT BOTTOMED STEEL DRAWER = DRAWER (INCLUDES 3 PCS LONGITUDINAL DIVIDERS AND DIVIDER COMB) 460 MM WIDTH x 485 MM DEPTH x 50 MM HEIGHT
KK4219	LONGITUDINAL DIVIDER FOR STEEL DRAWER
L-KK5214	FLAT BOTTOMED PLASTIC BOX DRAWER €/PC, 2 PCS/SHELF LENGHT 500MM x WIDTH 234MM x HEIGHT 140MM
KK4184	WIRE BASKET DRAWER, 480 MM WIDTH x 480 MM DEPTHx 200 MM HEIGHT
L-SKK080 L-SKK081	CASTORS 4 PCS, LOCKABLE FRONT CASTORS
KK9053	LED LIGHT (AS A STANDARD IN GD MODELS)
KK9023	ABLOY LOCK SERIALISATION
KK9047	ADDITIONAL ABLOY KEY
KK9101	ELECTRONIC LOCK iLOQ + ONE KEY (MODEL BB 400) Further information: <a href="http://www.ilq.com">www.ilq.com</a>
L-ILOQ 400 C/F	ELECTRONIC LOCK iLOQ + ONE KEY (BB/F MODEL, SHARED SINGLE LOCK) Further information: <a href="http://www.ilq.com">www.ilq.com</a>
KK9100	iLOQ S10 ADDITIONAL KEY (NOT PROGRAMMED)
KK9059	RJ45 (WHITE, BLUE) CABLE 2.5 METER
KK9046	CUSTOMER DELIVERED FACTORY MOUNTED PROBE FOR REMOTE MONITORING
L-OKP043	GROUNDING CABLE (3.0 M) WITH ANGELED SOCKET SSTL NRO 7060292
KK3021	DOOR OPENING PEDAL



STAINLESS STEEL SHELF (C AND F 400)



FLAT BOTTOMED PLASTIC DRAWER + STAINLESS STEEL SHELF



GLASS SHELF FULL SIZE 1/1



FLAT BOTTOMED STEEL DRAWER + LONGITUDINAL DIVIDER



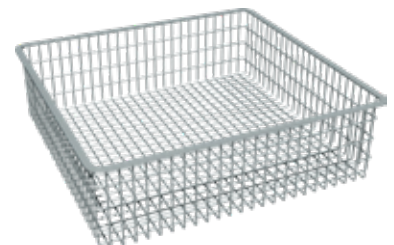
RJ45 CABLE



iLOQ



FLAT BOTTOMED PLASTIC BOX



WIRE BASKET, DRAWER

# Technical data

## Installation under table top and furniture mounting



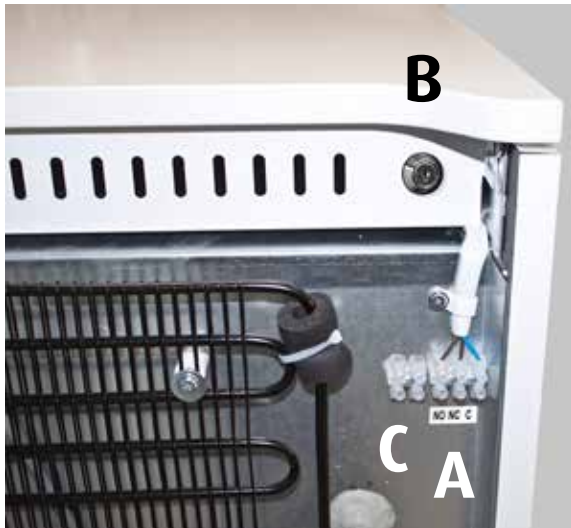
# Technical data

## DIN 58345 accessory packag, Additional NTC probe and RJ45 cabel

### DIN 58345 accessory package for MED SAVE control unit

There is a potential-free connection point (A) at the back of the cabinet for alarms. DIN 58345 equipment package includes a battery backup for MED SAVE controller power failure and temperature registering during 12 hours, lockable battery back-up user switch (B), and antifreeze function.

BB cables have battery back-up by default.



### Additional NTC probe and RJ45 cabel (client's probe, accessory)



#### Customer sensor

- Remove the protective cap (E)
- Twist to open the bushing of the push through plug (F)
- Push sensor (G) through the push through hole into the box
- Plug in the cables into the switch strip (C)
- Twist to close the push through plug (F)

#### Note!

Customer sensor must be calibrated according to the box temperatures. Sensor calibration depends on its location.



# Technical data

## DIN 58345 accessory packag, Additional NTC probe and RJ45 cabel

### RJ45 connection cable

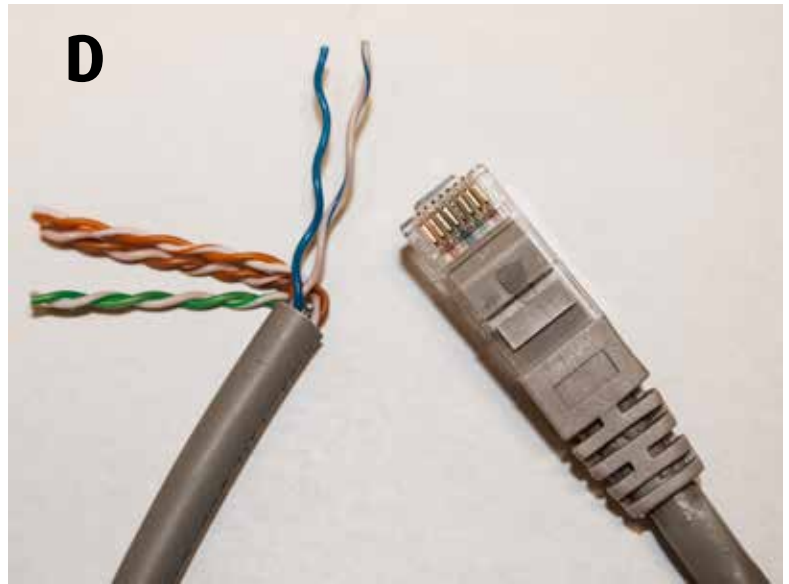
Alarm switch factory setting:

4/blue  
5/blue-white



Also a separate sensor for continuous temperature control can be connected to RJ45 cable, which can then be monitored through the property control centre (VAK).

We recommend a customer sensor installation at the factory.

Connect RJ45 cable (D) to connector A (connector A, see picture on previous page).

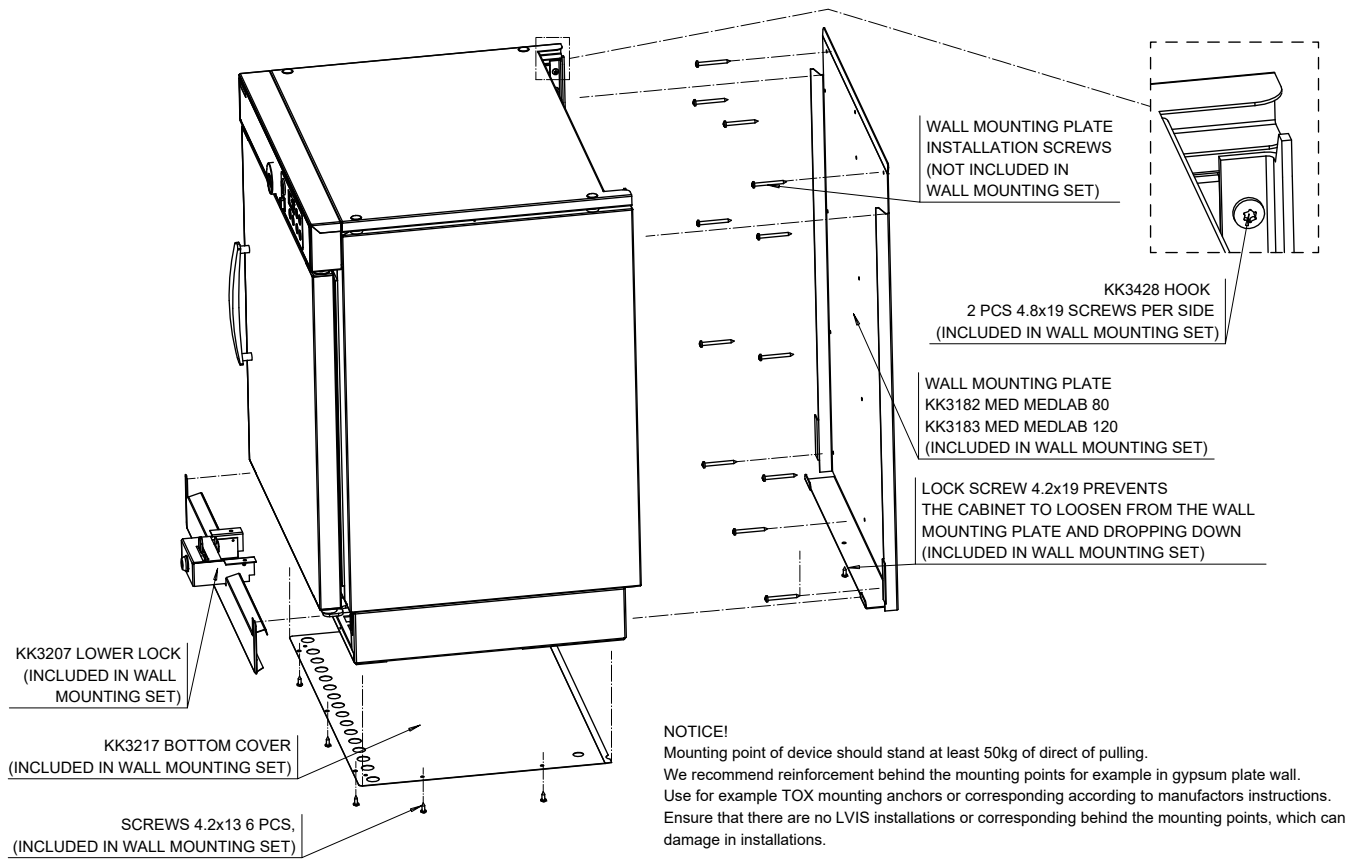


Cable colour codes:

		Pin		Pin	RJ45	
	orange/white	1		1	orange/white	
	orange	2		2	orange	
	green/white	3		3	green/white	
	blue	4		4	blue	
	blue/white	5		5	blue/white	
	green	6		6	green	
	brown/white	7		7	brown/white	
	brown	8		8	brown	

# Technical data

## MED SAVE ja MEDLAB SAVE 80/120 wall mounting



KK3418-EN

# Technical data

## Sales and delivery conditions

### 1. Prices

Prices are exclusive of VAT. We reserve the right to change prices if the state authorities by changing foreign exchange rates or other charges impact the price determining principles or in case of increase in costs for reasons beyond our control.

### 2. Deliveries

Terms of delivery is, if not separately agreed, EXW (Ex Works) Hollola Finland. Standard packaging is included in the prices. If desired, we offer IPPC packaging and freight costs which will be separately priced. Prices do not include waste management arrangements and the cost of recovery of waste. Under the law, the holder of the waste is responsible for the WEEE waste in professional use.

### 3. Product features

For the purpose of continuous product development, Suomen Kotikylmiö reserves the right to change the products.

### 4. Changes and cancellations concerning orders

The buyer shall promptly notify in writing the seller of any changes and cancellations. Changes or cancellations must be made fourteen days (14) days before the scheduled delivery time. The seller shall be entitled to invoice the buyer; the value of the current level of preparedness of a product cancelled or changed later than fourteen (14) days. The new delivery time of the changed order will be counted from the date of the change, unless otherwise agreed.

### 5. Return policy

The seller will not accept returns without prior agreement. The comments regarding the merchandise must be made within five (5) days of receipt. Returns must always be agreed upon in advance with the representative. For the return of standard products, which is not due to the seller's fault, up to 80% will be refunded. Return policy applies only to the products included in the standard sales program with no additional accessories that are unused, undamaged and in their original packaging.

### 6. Insurance

The customer is responsible for the transportation of goods and transport insurance.

### 7. Warranty

The warranty period for the raw material and components is one (1) years if not agreed otherwise. The warranty applies to the equipment sold to the first buyer, i.e. goods have left the factory.

Warranty is conditional upon the fact that:

- The product is installed in accordance with the provided installation instructions
- The product is used only for its intended purpose
- The product has been used and maintained according to the instructions
- Maintenance work shall be done by a professional refrigeration contractor

Warranty claims must contain:

- Product brand, model and serial number
- Nature of the problem and the circumstances how it has occurred



# Technical data

## Notes

# Technical data

## Notes

# Technical data

## Notes

# **PORKKA**

MED and MEDLAB appliances are manufactured in Hollola, Finland, where our research & development, factory, administration and service are also situated.

MED and MEDLAB are genuine Finnish products. The label on the front panel of your cooling appliance is guarantee of high Finnish quality, evolving from long experience, strong materials, and construction, proven over decades.

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