

Design,
quality &
innovation

The medical ProfiLine range

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LKPv/LGPv: Range

Liebherr medical range 2007

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The medical ProfiLine range

LKPv/LGPv: Range

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LKPv 6520
LKPv 1420

LKPv 6522
LKPv 1422

LGPv 6520
LGPv 1420

Liebherr laboratory refrigerators & freezers

Common features:

- High quality white enamelled exterior – 304 grade stainless steel interior
- Powerful forced-air refrigeration system with rear air-duct & hot-gas defrost for minimum temperature variation
- Optical & acoustic hi-lo temperature and door-open alarms
- Volt-free contact for external alarm
- RS 485 interface: RS 232 adapter optional extra
- Optional infrared data transfer
- Integrated data logger & battery pack: saves temperature data for 72 hrs in case of power failure
- 83 mm insulation for maximum temperature stability
- High quality electronic controller with text display. Beside the pre-set temperature programs all temperature and alarm parameters can be adjusted to suit your individual application
- Control panel can be protected using a password to avoid unauthorised adjustments to the settings
- Castors fitted as standard
- Door lock, self-closing doors, fan cut-out switch



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The medical ProfiLine range LKPv 6520 / LKPv 6522

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LKPv 6520
LKPv 1420

LKPv 6522
LKPv 1422

LGPv 6520
LGPv 1420

Single-door laboratory refrigerators

LKPv 6520 – solid door

LKPv 6522 – glass door

Temperature range:

LKPv 6520, solid door: $-2^{\circ}\text{C} / +15^{\circ}\text{C}$

LKPv 6522, glass door: $0^{\circ}\text{C} / +15^{\circ}\text{C}$

- 4 coated wire shelves on adjustable trayslides, 60 kg shelf load
- Dimensions: 215 x 70 x 83 cm (H x W x D)
- 3 pre-set storage settings: blood, pharmacy, chromatography

Climate class:

LKPv 6520, solid door: $+43^{\circ}\text{C}$

LKPv 6522, glass door: $+32^{\circ}\text{C}$



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The medical ProfiLine range LKPv 1420 / LKPv 1422

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LKPv 6520
LKPv 1420

LKPv 6522
LKPv 1422

LGPv 6520
LGPv 1420

Double-door laboratory refrigerators

LKPv 1420 – solid doors

LKPv 1422 – glass doors

Temperature range:

LKPv 1420, solid door: $-2^{\circ}\text{C} / +15^{\circ}\text{C}$

LKPv 1422, glass doors: $0^{\circ}\text{C} / +15^{\circ}\text{C}$

- 8 coated wire shelves on adjustable trayslides, 60 kg shelf load
- Dimensions: 215 x 143 x 83 cm (H x W x D)
- 3 pre-set storage settings: blood, pharmacy, chromatography

Climate class:

LKPv 1420, solid door: $+43^{\circ}\text{C}$

LKPv 1422, glass door: $+32^{\circ}\text{C}$



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The medical ProfiLine range LGPv 6520

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LKPv 6520
LKPv 1420

LKPv 6522
LKPv 1422

LGPv 6520
LGPv 1420

Single-door laboratory freezer

LGPv 6520 – solid door

Temperature range: -10°C / -35°C

- 4 coated wire shelves on adjustable trayslides, 60 kg shelf load
- Dimensions: 215 x 70 x 83 cm (H x W x D)
- 2 pre-set storage settings: laboratory freezer, blood plasma

Climate class LGPv 6520: +43 °C



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The medical ProfiLine range LGPv 1420

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LKPv 6520
LKPv 1420

LKPv 6522
LKPv 1422

LGPv 6520
LGPv 1420

Double-door laboratory freezer

LGPv 1420 – solid doors

Temperature range: -10°C / -35°C

- 8 coated wire shelves on adjustable trayslides, 60 kg shelf load
- Dimensions: 215 x 143 x 83 cm (H x W x D)
- 2 pre-set storage settings: laboratory freezer, blood plasma

Climate class: LGPv 1420: +32 °C



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The ProfiLine evolution

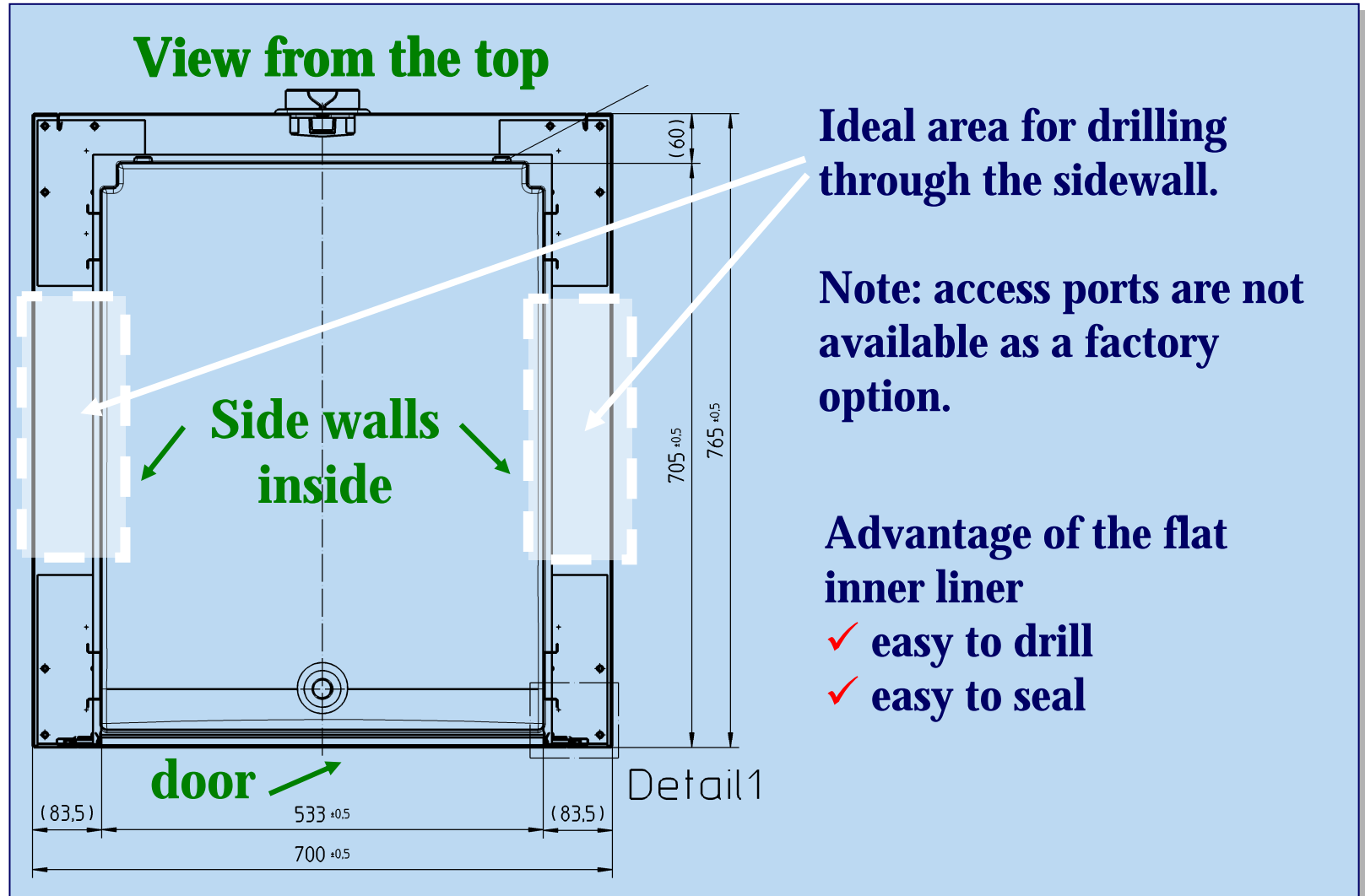
LKPv/LGPv: access ports

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LKPv 6520
LKPv 1420

LKPv 6522
LKPv 1422

LGPv 6520
LGPv 1420



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LKPv 6520
LKPv 1420

LKPv 6522
LKPv 1422

LGPv 6520
LGPv 1420

The ProfiLine evolution

LKPv/LGPv: Inner liner features

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Coated wire shelves on adjustable trayslides :

- ✓ for general laboratory applications
- ✓ flexible use of storage volume
- ✓ non-tilting shelves

Smooth 304-grade s/s inner liner :

- ✓ hygienic, easy to clean & disinfect
- ✓ top standard
- ✓ acid resistant and solvents



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LKPv 6522
LKPv 1422

LGPv 6520
LGPv 1420

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LKPv/LGPv: Inner liner features

robust s/s ladderracks

- ✓ small shelf spacing (27,5 mm) for ideal setting and adjusting of the shelves
- ✓ easily removable for cleaning

robust s/s “U”-trayslides

- ✓ shelves are easy to adjust
- ✓ shelves are non-tilting

Robust shelves

- ✓ max. load 60kg

Glass-door model with interior light

- ✓ Easy control of stored goods without opening the door
- ✓ Stored goods are illuminated for even better visibility

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LKPv 6522
LKPv 1422

LGPv 6520
LGPv 1420

The ProfiLine evolution

Premium electronic controller

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- **Temperature control:** Premium electronic controller
controller with clear text display
- **Temperature/text display:** digital, illuminated
- **Keyboard lock function:** included
- **data logger /** records 3500 measurements
HACCP function:
- **Temperature-recording:** every 2 minutes
equals: ~ 116 hours / ~ 4,8 days

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LGPv 6520
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The ProfiLine evolution

Premium electronic controller

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- **Temperature alarm,
high & low temp.:** optical and acoustic
- **Door open-alarm:** optical and acoustic (4 min. delay)
- **door open:** displayed as text “door open”
- **volt-free contact:** included
- **Interfaces:** RS 485 & Infrared
- **Battery to maintain
functions of the controller
during power failure:** saves data for 72 hours

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Premium electronic controller, pre-set programs

Pre-set programs Lab cooling

Pre-set Programs	Name		Relative Humidity	Set temperature
1	Blood		medium	+4°C
2	Pharmacy		low	+5°C
3	Chromatography		low	+4°C

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Premium electronic controller, pre-set programs

Pre-set programs Lab freezing

Pre-set Programs	Name		Relative Humidity	Set temperature
1	Lab		high	-20°C
2	Blood plasma		high	-30°C

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LKPv 1420

LKPv 6522
LKPv 1422

LGPv 6520
LGPv 1420

GKPv 6580
GKPv 1480

GGPv 6580
GGPv 1480

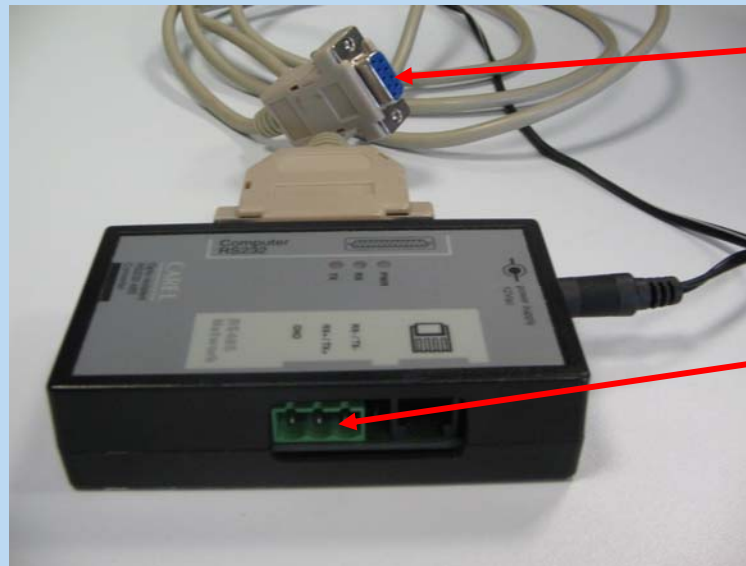
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Premium electronic controller, accessories

standard interface adapter RS 485 to RS 232 with data logging software

Connection module from standard bus RS 485 to RS 232 to save data



RS 232

**Data transfer possible up to
max. 10m**

RS 485

**Data transfer possible up to
max. 1000 m**

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The ProfiLine evolution electronic, Accessories

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LKPv 6520
LKPv 1420

LKPv 6522
LKPv 1422

LGPv 6520
LGPv 1420

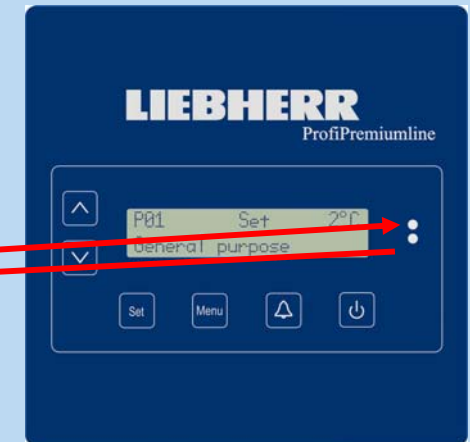
GKPv 6580
GKPv 1480

GGPv 6580
GGPv 1480

Accessory: infrared key with software

Transfer of data from controller to PC

With the IR key the data can be
read-out and transferred to the PC



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The ProfiLine evolution

LKPv/LGPv: Technical data

LKPv 6520

Technical data LKPv 6520 Lab forced- air refrigerator

Dimension exterior :	Width: 700 / 533 mm
interior:	Depth: 830 / 650 mm
	Height: 2150 / 1550 mm
Cabinet:	steel sheet 0,7 mm powder coated
Inner liner:	s/s (AISI 304) 0,5 mm
Connection rating:	2,0 A; 250 Watt; 220-230 V / 50 Hz
Energy consumption:	1,25 kWh/24h
Temperature range:	-2° to +15°C
Refrigerant:	R 134a
Climate class:	T (+18°C to +43°C)
Gross volume:	601 litre
shelves:	4 coated wire shelves
Lock:	standard
Control:	Electronic with clear text, HACCP function
Defrost:	Hot-gas
Insulation:	83 mm (door 60 mm)
Door:	foamed
Interior lighting:	none
Castor:	2 fixed and 2 swivel with brake
Forced-air:	Double fan

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LKPv/LGPv: technical data

LKPv 6522

LKPv 6522 Lab forced- air refrigerator

Dimension exterior :	Width:	700 / 533 mm
interior:	Depth:	830 / 650 mm
	Height:	2150 / 1550 mm
Cabinet:	steel sheet 0,7 mm powder coated	
Inner liner:	s/s (AISI 304) 0,5 mm	
Connection rating:	2,5 A; 300 Watt; 220-230 V / 50 Hz	
Energy consumption:	2,7 kWh/24h	
Temperature range:	0° to +15°C	
Refrigerant:	R 134a	
Climate class:	N (+16°C to +32°C)	
Gross volume:	601 litre	
shelves:	4 coated wire shelves	
Lock:	standard	
Control:	Electronic with clear text, HACCP function	
Defrost:	Hot-gas	
Isolation:	83 mm (door 60 mm)	
Door:	glass door	
Interior lighting:	Illuminated 15 Watt	
Castor:	2 fixed and 2 swivel with brake	
Forced-air:	Double fan	

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LKPv/LGPv: technical data

LKPv 1420

LKPv 1420 Lab forced- air refrigerator

Dimension exterior :	Width:	1430 / 1263 mm
interior:	Depth:	830 / 650 mm
	Height:	2150 / 1550 mm
Cabinet:	steel sheet 0,7 mm powder coated	
Inner liner:	s/s (AISI 304) 0,5 mm	
Connection rating:	2,5 A; 350 Watt; 220-230 V / 50 Hz	
Energy consumption:	1,9 kWh/24h	
Temperature range:	-2° to +15°C	
Refrigerant:	R 134a	
Climate class:	T (+18°C to +43°C)	
Gross volume:	1427 litre	
shelves:	8 coated wire shelves	
Lock:	standard	
Control:	Electronic with clear text, HACCP function	
Defrost:	Hot-gas	
Isolation:	83 mm (door 60 mm)	
Door:	foamed	
Interior lighting:	none	
Castor:	3 fixed and 2 swivel with brake	
Forced-air:	Double fan	

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LKPv/LGPv: Technical data

LKPv 1422

LKPv 1422 Lab forced- air refrigerator

Dimension exterior :	Width:	1430 / 1263 mm
interior:	Depth:	830 / 650 mm
	Height:	2150 / 1550 mm
Cabinet:	steel sheet 0,7 mm powder coated	
Inner liner:	s/s (AISI 304) 0,5 mm	
Connection rating:	3,0 A; 400 Watt; 220-230 V / 50 Hz	
Energy consumption:	5,0 kWh/24h	
Temperature range:	0° to +15°C	
Refrigerant:	R 134a	
Climate class:	N (+16°C to +32°C)	
Gross volume:	1427 litre	
shelves:	8 coated wire shelves	
Lock:	standard	
Control:	Electronic with clear text, HACCP function	
Defrost:	Hot-gas	
Isolation:	83 mm (door 60 mm)	
Door:	glass door	
Interior lighting:	Illuminated 2 x 15 Watt	
Castor:	3 fixed and 2 swivel with brake	
Forced-air:	Double fan	

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LKPv/LGPv: Technische Daten

LGPv 6520

LGPv 6520 Lab forced- air freezer

Dimension exterior :	Width:	700 / 533 mm
interior:	Depth:	830 / 650 mm
	Height:	2150 / 1550 mm
Cabinet:	steel sheet 0,7 mm powder coated	
Inner liner:	s/s (AISI 304) 0,5 mm	
Connection rating:	4,0 A; 600 Watt; 220-230 V / 50 Hz	
Energy consumption:	5,5 kWh/24h	
Temperature range:	-10° to -35°C	
Refrigerant:	R 404a	
Climate class:	T (+18°C to +43°C)	
Gross volume:	601 litre	
s/s grids:	4 pieces	
Lock:	standard	
Control:	Electronic with clear text, HACCP function	
Defrost:	Hot-gas	
Isolation:	83 mm (door 60 mm)	
Door:	foamed	
Interior lighting:	none	
Castor:	2 fixed and 2 swivel with brake	
Forced-air:	Double fan	

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The ProfiLine evolution

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LKPv/LGPv: Technische Daten

LGPv 1420

LGPv 1420 Lab forced- air freezer

Dimension exterior :	Width:	1430 / 1263 mm
interior:	Depth:	830 / 650 mm
	Height:	2150 / 1550 mm
Cabinet:	steel sheet 0,7 mm powder coated	
Inner liner:	s/s (AISI 304) 0,5 mm	
Connection rating:	4,5 A; 700 Watt; 220-230 V / 50 Hz	
Energy consumption:	9,8 kWh/24h	
Temperature range:	-10° to -35°C	
Refrigerant:	R 404a	
Climate class:	N (+16°C to +32°C)	
Gross volume:	1427 litre	
shelves:	8 coated wire shelves	
Lock:	standard	
Control:	Electronic with clear text, HACCP function	
Defrost:	Hot-gas	
Isolation:	83 mm (door 60 mm)	
Door:	foamed	
Interior lighting:	none	
Castor:	3 fixed and 2 swivel with brake	
Forced-air:	Double fan	