

## Laboratory refrigerators and freezers with spark-free interior



**LKUexv 1610**  
MediLine



**LGUex 1500**  
MediLine



**LKexv 1800**  
MediLine

Gross / net capacity	141 / 130 litre
Exterior dimensions in mm (w / d / h)	601 / 618 / 820
Interior dimensions in mm (w / d / h)	440 / 435 / 670
Energy consumption in 365 days <sup>1</sup>	315 kWh
Ambient temperature range	+10°C to +35°C
Refrigerant	R 600a
Sound power level	47 dB(A)
Voltage / Connection rating	220 - 240V~ / 1.0 A
Cooling system	forced-air
Defrost	automatic
Temperature range	+3°C to +16°C
Gradient <sup>2</sup> / max. fluctuation <sup>3</sup>	3.9°C / 4.8°C
External cabinet finish	steel / white
Door material	steel
Internal liner material	commercial grade moulded polystyrol
Type of control	LED 7-segment display with buttons
Power failure alarm	when mains power return
Fault: warning signal	visual and audible
Volt-free alarm contact	yes
Connectivity type	SmartCoolingHub
Connectivity solution	Retrofittable
Interface	RS485
Adjustable shelves	3
Shelf material	glass
Usable shelf area in mm (w / d)	440 / 420
Shelf loading	40 kg
Drawers	
Number of baskets	
Compartment height in mm	
Handle	slimline handle with integrated opening mechanism
Type of lock	mechanical
Door hinges	right, reversible on site
Gross / net weight	41 / 38 kg
Accessories	
Glass shelf	9293629
Stacking kit, white	9592697
Roller bars	9590521
SmartCoolingHub	6125784
Additional lock barrels (up to 10)	on request

Gross / net capacity	139 / 129 litre
Exterior dimensions in mm (w / d / h)	601 / 618 / 820
Interior dimensions in mm (w / d / h)	454 / 450 / 663
Energy consumption in 365 days <sup>1</sup>	294 kWh
Ambient temperature range	+10°C to +35°C
Refrigerant	R 600a
Sound power level	45 dB(A)
Voltage / Connection rating	220 - 240V~ / 1.0 A
Cooling system	static
Defrost	manual
Temperature range	-9°C to -26°C
Gradient <sup>2</sup> / max. fluctuation <sup>3</sup>	6.6°C / 3.3°C
External cabinet finish	steel / white
Door material	steel
Internal liner material	commercial grade moulded polystyrol
Type of control	LED 7-segment display with buttons
Power failure alarm	when mains power return
Fault: warning signal	visual and audible
Volt-free alarm contact	yes
Connectivity type	SmartCoolingHub
Connectivity solution	Retrofittable
Interface	RS485
Adjustable shelves	
Shelf material	evaporator plates
Usable shelf area in mm (w / d)	454 / 450
Shelf loading	24 kg
Drawers	3
Number of baskets	1
Compartment height in mm	
Handle	slimline handle with integrated opening mechanism
Type of lock	mechanical
Door hinges	right, reversible on site
Gross / net weight	43 / 42 kg
Accessories	
Glass shelf	
Stacking kit, white	9592697
Roller bars	9590521
SmartCoolingHub	6125784
Additional lock barrels (up to 10)	on request

Gross / net capacity	180 / 160 litre
Exterior dimensions in mm (w / d / h)	600 / 600 / 860
Interior dimensions in mm (w / d / h)	513 / 441 / 702
Energy consumption in 365 days <sup>1</sup>	328 kWh
Ambient temperature range	+10°C to +30°C
Refrigerant	R 600a
Sound power level	47 dB(A)
Voltage / Connection rating	220 - 240V~ / 1.0 A
Cooling system	forced-air
Defrost	automatic
Temperature range	+1°C to +15°C
Gradient <sup>2</sup> / max. fluctuation <sup>3</sup>	10.2°C / 7.4°C
External cabinet finish	steel / white
Door material	steel
Internal liner material	commercial grade moulded polystyrol
Type of control	Rotary control with digital thermometer
Power failure alarm	
Fault: warning signal	
Volt-free alarm contact	
Connectivity type	
Connectivity solution	
Interface	
Adjustable shelves	3
Shelf material	glass
Usable shelf area in mm (w / d)	513 / 412
Shelf loading	40 kg
Drawers	
Number of baskets	
Compartment height in mm	
Handle	ergonomic slimline handle
Type of lock	mechanical
Door hinges	right, reversible on site
Gross / net weight	41 / 38 kg
Accessories	
Glass shelf	9293631
Stacking kit, white	
Roller bars	
SmartCoolingHub	
Additional lock barrels (up to 10)	

## Laboratory fridge-freezer combination with spark-free interior



**LCexv 4010**  
MediLine



Gross / net capacity	fridge compartment
Gross / net capacity	freezer compartment
Exterior dimensions in mm (w / d / h)	
Interior dimensions in mm (w / d / h)	fridge compartment
Interior dimensions in mm (w / d / h)	freezer compartment
Energy consumption in 365 days <sup>1</sup>	
Ambient temperature range	
Refrigerant	
Sound power level	
Voltage / Connection rating	
Cooling system	fridge / freezer comp.
Defrost	fridge / freezer comp.
Temperature range	fridge / freezer comp.
Gradient <sup>2</sup>	fridge / freezer comp.
Max. fluctuation <sup>3</sup>	fridge / freezer comp.
External cabinet finish	
Door material	
Internal liner material	
Type of control	
Power failure alarm	
Fault: warning signal	
Volt-free alarm contact	
Connectivity type	
Connectivity solution	
Interface	
Adjustable shelves	fridge compartment
Shelf material	fridge / freezer comp.
Usable shelf area in mm (w / d)	fridge compartment
Shelf loading	fridge / freezer comp.
Drawers	freezer compartment
Handle	
Type of lock	
Door hinges	
Gross / net weight	
Accessories	
Glass shelf	
Product temperature sensor	
SmartCoolingHub	
Roller bars	
Additional lock barrels (up to 10)	

Gross / net capacity	254 / 240 litre
Gross / net capacity	107 / 105 litre
Exterior dimensions in mm (w / d / h)	601 / 618 / 2003
Interior dimensions in mm (w / d / h)	440 / 441 / 1105
Interior dimensions in mm (w / d / h)	433 / 433 / 597
Energy consumption in 365 days <sup>1</sup>	657 kWh
Ambient temperature range	+10°C to +35°C
Refrigerant	R 600a
Sound power level	52 dB(A)
Voltage / Connection rating	220 - 240V~ / 1.5 A
Cooling system	forced-air / static
Defrost	automatic / manual
Temperature range	+3°C to +16°C / -9°C to -30°C
Gradient <sup>2</sup>	4.0°C / 7.9°C
Max. fluctuation <sup>3</sup>	3.9°C / 5.5°C
External cabinet finish	steel / white
Door material	steel
Internal liner material	commercial grade moulded polystyrol
Type of control	LED 7-segment display with buttons
Power failure alarm	when mains power return
Fault: warning signal	visual and audible
Volt-free alarm contact	yes
Connectivity type	SmartCoolingHub
Connectivity solution	Retrofittable
Interface	RS485
Adjustable shelves	4
Shelf material	glass / glass
Usable shelf area in mm (w / d)	440 / 409
Shelf loading	40 kg / 24 kg
Drawers	3
Handle	slimline handle with integrated opening mechanism
Type of lock	mechanical
Door hinges	right, reversible on site
Gross / net weight	92 / 85 kg
Accessories	
Glass shelf	9293629
Product temperature sensor	9590145
SmartCoolingHub	6125784
Roller bars	9592756
Additional lock barrels (up to 10)	on request

<sup>1</sup> Measured at +25°C ambient temperature and +5°C set temperature for fridges and -20°C for freezers.

<sup>2</sup> Gradient as defined in EN 60068-3: the difference between the warmest and coldest average measurements, increased by their expanded uncertainty, throughout the duration.

<sup>3</sup> Max. fluctuation as per EN 60068-3: greatest fluctuation value determined throughout the duration of measurements.