

## 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.