

## Laboratory refrigerators and freezers with spark-free interior



**LKUexv 1610**  
MediLine



**LGUex 1500**  
MediLine



**LKexv 1800**  
MediLine

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

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

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

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

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



**LCexv 4010**  
MediLine



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

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

<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.