

**PRODUCT SPECIFICATION - ULT240**

# ULT-Freezer

# ULT240

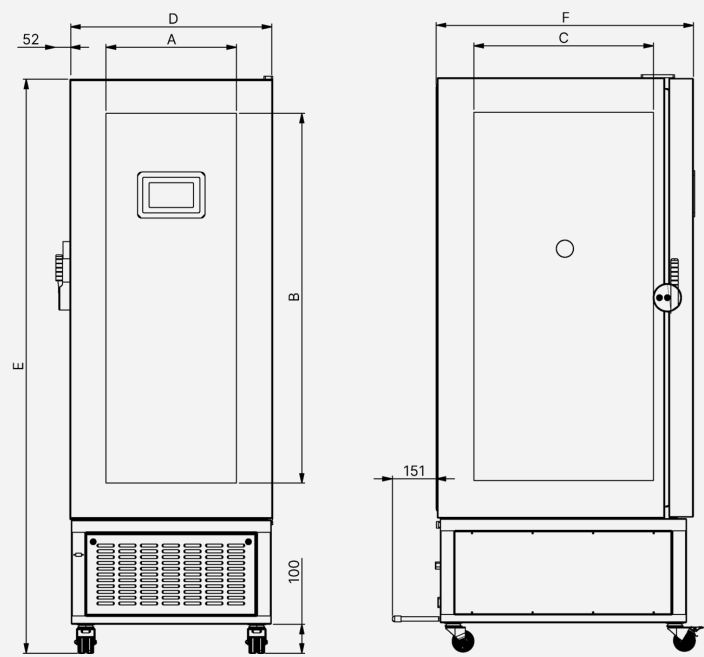


ULT Freezer – Maximum protection for samples that matter.

When it comes to ultra-low temperature storage, one factor is paramount: the reliable protection of your samples over extended periods of time. The Memmert ULT freezer has been developed specifically for this purpose. It combines consistent, precise temperature control with integrated safety features and energy-optimised design for continuous operation.

## Key Performance Features

- Natural Refrigerants
- State-of-the-Art Safety Concept
- Remote-Monitoring
- Inverter-Controlled Compressors



Temperature

|                           |    |            |
|---------------------------|----|------------|
| Setting temperature range | °C | -50 to -86 |
| Setting accuracy          | °C | 0.1        |

Features

|                       |  |                                                                          |
|-----------------------|--|--------------------------------------------------------------------------|
| Control unit          |  | 7" touchscreen integrated in the outer door in ergonomic position        |
| Adjustable parameters |  | Temperature                                                              |
| Interfaces            |  | <ul style="list-style-type: none"><li>Ethernet LAN</li><li>USB</li></ul> |

Safety

|                                  |  |                                                                 |
|----------------------------------|--|-----------------------------------------------------------------|
| Temperature monitoring           |  | Temperature sensor Pt1000                                       |
| Alarm                            |  | visual and acoustic                                             |
| Behaviour during a power failure |  | Backup battery for alarming and monitoring during power failure |

### Heating concept

|                |  |                                                                                                                                                                            |
|----------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cooling system |  | Cooling system with two cascade-connected compressors for reliable low-temperature performance. Refrigerants: First stage R455A / Second stage R170. Air-cooled condenser. |
|----------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Standard equipment

|                            |  |                                                                                                                                                                                   |
|----------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Door                       |  | Insulated stainless steel outer doors with mechanical door lock                                                                                                                   |
| Standard option            |  | <ul style="list-style-type: none"> <li>Door-open detection</li> <li>Entry port / pressure relief opening Ø 26 mm, lateral</li> </ul>                                              |
| Other standard accessories |  | Standard interior configuration with 4 compartments. Consisting of 2 stainless steel inner doors and 3 height-adjustable shelves for flexible adaptation to different load sizes. |

### Stainless steel interior

|                                   |        |      |
|-----------------------------------|--------|------|
| Volume                            | l      | 244  |
| Width                             | mm     | 450  |
| Height                            | mm     | 1111 |
| Depth                             | mm     | 489  |
| Max. loading of chamber           | kg     | 280  |
| Max. loading of grids/shelves     | kg     | 140  |
| Maximum quantity of 2'/50mm boxes | number | 162  |

### Textured stainless steel casing

|              |    |                     |
|--------------|----|---------------------|
| Width        | mm | 700                 |
| Height       | mm | 1832                |
| Depth        | mm | 738                 |
| Installation |    | on lockable castors |

Packing/shipping data

|                       |        |                                            |
|-----------------------|--------|--------------------------------------------|
| Transportinformation  |        | The appliances must be transported upright |
| Customs tariff number |        | 8418 40 20                                 |
| Country of origin     |        | Netherlands                                |
| Packaging             | Width  | mm 900                                     |
|                       | Height | mm 2050                                    |
|                       | Depth  | mm 900                                     |
| Weight                | Net    | kg 245                                     |
|                       | Gross  | kg 310                                     |

Standard units are safety-approved and bear the test marks:

