



MDF-DU500ZH-PE

MDF-DU700ZH-PE

FrostLess

Natural Refrigerants -86°C Upright Freezer

525 L / 725 L



Cost-saving, environmentally friendly sample storage with reduced frost accumulation.

The MDF-DU500ZH-PE and MDF-DU700ZH-PE FrostLess -86°C Upright Freezers with reduced frost build-up on the inner doors. Provides optimum sample storage capacity within a compact footprint combined with natural refrigerants to minimise energy consumption, reduce environmental impact and save money.

FrostLess Technology

The improved packing, insulation materials, and the heated pipe frame of the inner door gasket result in reduced manual labor for freezer maintenance. Less ice will build up on the inner doors and the need for defrosting the freezer is reduced.

Reducing Frost Growth

The new FrostLess freezers from PHCbi minimise frost build up and with that the time needed for regular maintenance. Reducing frost buildup is critical for smooth running of the freezer, accessibility of the samples and preventing damage of samples.

Efficient Refrigeration

Naturally occurring hydrocarbon (HC) refrigerants provide more efficient cooling due to their high latent heat of evaporation. As well as improved performance this leads to reduced power consumption [6.9 kWh/day] and energy costs.



Test Conditions

Environment Condition:
Temp./Humidity: 30°C/80%.
Door Opening/Closing: 150 times,
30 sec/n. Period: 30 days. No Load.



New Thermal Insulation

The new design of the inner doors with New VIP panels inner door [84.5mm] and the new thermal insulation technology of the frame suppresses frost growth.



Environmentally Friendly

Ideal for laboratories looking to reduce their carbon footprint and environmental impact to comply with sustainability policies.

