



MOBILE VACCINE FRIDGE

Minus40

D70M



D70M Mobile Vaccine Fridge

Minus40's D70M Mobile Vaccine Fridge is a critical component in ensuring the integrity of the vaccine and medical cold chain, maintaining the required temperature of 2°C to 8°C during transit.

It features innovative eutectic tank designs embedded within the fridge walls, allowing it to sustain cold conditions for up to 26 hours even in the absence of electrical power and under harsh ambient conditions of 32°C.

Designed and constructed in South Africa with robust materials, the 70-litre D70M is engineered to withstand challenging environments encountered during transport and in field clinics.

Its versatile power options—capable of operating on 12/24-volt DC from vehicles or switching to 220-volt AC from mains—make it an ideal solution for mobile clinics and medical facilities, particularly in areas with unreliable electricity supply.

Key Features

- * Temperature maintained by PLC controller to set point (+/- 2°C)
- * Eutectic cooling technology to give 26 hours holdover when the power is interrupted
- * Works on 12/24-volt DC and 220-volt AC
- * Robust design for harsh driving conditions
- * Stainless steel is used extensively for ease of cleaning and hygiene risk mitigation
- * Upright design for ease of access and stock management



2°C-8°C Range



70L Capacity



220V AC
12/24V DC



26 Hrs Holdover



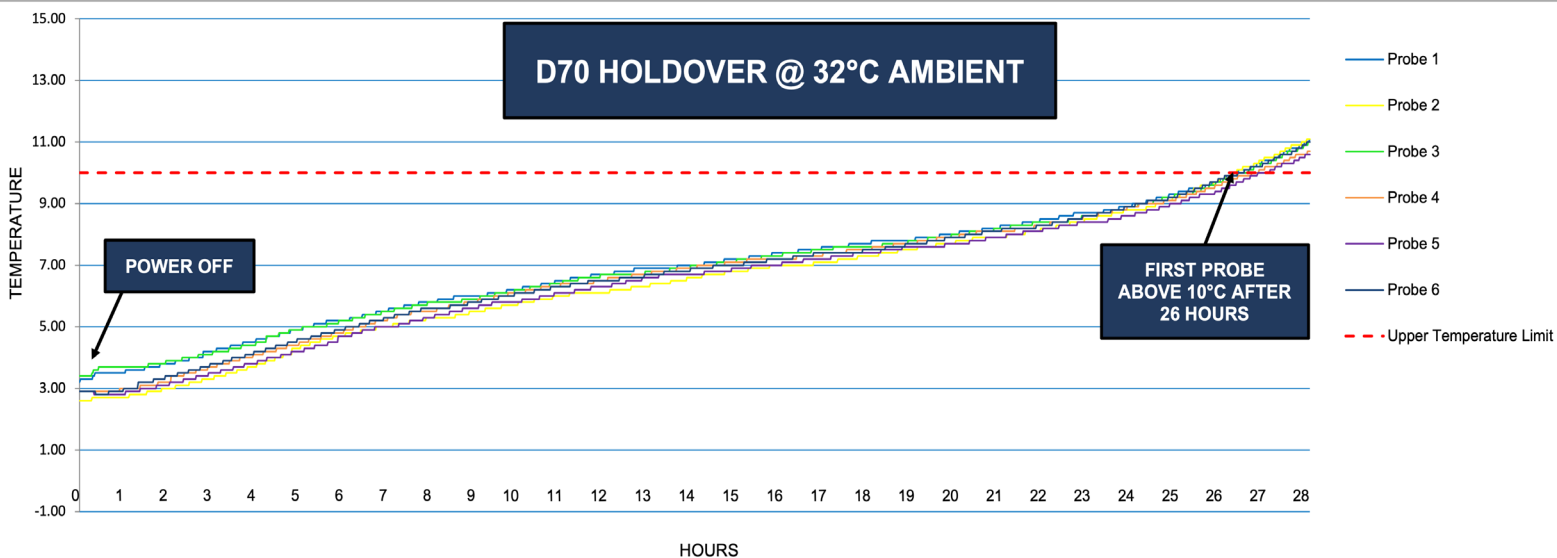
Mobile Ready



Stainless Steel

Performance Data Graph

The D70M has a Holdover time of 26 Hours after the loss of power at an ambient of 32°C.



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*Precision Cooling For
Critical Healthcare
Environments*

MOBILE VACCINE FRIDGE

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Construction

External material	Stainless steel
Internal material	Stainless steel
Insulation	CFC-free high-density foam insulation
Shelves	2 Stainless steel perforated shelves
Door type	Solid, hinged door (self-closing door)
Door lock	Lockable latch
Lighting	Internal light (LED)
Light switch	No external light switch
Probe hole	Comes with a pre-fitted independent temperature monitoring probe hole
Feet / base of unit	Levelling feet

Refrigeration

Compressor(s)	1 compressor
Cooling method	Fan assisted cooling
Defrost mode	Automatic defrost
Refrigerant	R134a



Model

Model name	D70M Mobile Vaccine
Cabinet type	Upright
Capacity	70L

Performance

Temperature range	2°C to 8°C
Holdover time at 32°C	26 Hours
Max ambient temperature	32°C
Controller(s)	1 digital controller with LED display 1 additional solar display

Dimensions

External dimensions (H x W x D) mm	835 x 600 x 695
Internal dimensions (H x W x D) mm	515 x 400 x 350
Weight	75kg

Electrical

Voltage	220V AC / 12V DC
Rated power supply (A)	0.17A (220V AC)
Energy rating	Est. A+

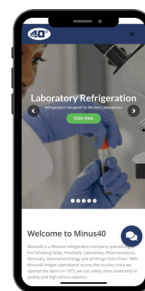
Alarms

Temperature alarm	Audible and visual alarm for temperatures outside of range
Door alarm	Audible and visual alarm

Minus40 Service Level Agreements

As with all Minus40 products, the D70M comes with our trusted service warranty, ensuring long-term reliability. For enhanced performance and extended lifespan, consider our annual service agreement, designed to keep your medical refrigeration systems in top condition. Make sure to discuss this with one of our sales representatives!

Scan To View Our Online Instructional Videos



*The parameters and performance specified in this brochure may be changed without prior notice, due to product upgrading.

**There may be differences between the product images shown in this brochure and the actual products received.



MEDICAL DEVICES
QUALITY MANAGEMENT
ISO 13485:2016 CERTIFIED

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