



## E003: Refrigerators and freezers



<b>Product name:</b>	<b>MDFU-18</b>
<b>IMD-PQS Code:</b>	E003-146
<b>Status:</b>	Prequalified
<b>Date of acceptance:</b>	16 Feb 2026
<b>Appliance type:</b>	E003
<b>Product description:</b>	Waterpacks freezer
<b>Manufacturer:</b>	Mark Enterprises
<b>Manufacturers Reference:</b>	MDFU-18
<b>Country of Manufacture:</b>	India
<b>Address:</b>	Shed No.1, Plot No.93/2, Street No.17, City: MIDC Satpur, Nashik, Maharashtra Nashik Maharashtra India
<b>Telephone:</b>	+91 7276009009
<b>Email:</b>	<a href="mailto:certifications@markent.co.in">certifications@markent.co.in</a>
<b>Valid until:</b>	31 May 2027

### Specifications

#### PRODUCT SPECIFICATIONS - MAIN

<b>Climate zone</b>	Hot	<b>Minimum rated ambient temperature (°C)</b>	-10.00
<b>Relative Humidity (Min)</b>	5.00	<b>Relative Humidity (Max)</b>	95.00
<b>Hold over time (hours:mn)</b>	04:47	<b>External dimensions length (mm)</b>	725.00
<b>External dimensions width (mm)</b>	670.00	<b>External dimensions height (mm)</b>	850.00
<b>Appliance tested at (°C)</b>	43.00	<b>Performance at" (°C)</b>	43.00
<b>Ambient temperature during testing (°C)</b>	43.00	<b>Fuel and refrigeration cycle</b>	Electric, Compression Cycle, R600a refrigerant
<b>Energy source</b>	Electric (Mains Power 220–240 V, 50/60 Hz)	<b>Lining</b>	Corrosion-resistant, UV-protected internal and external cabinet (DIN 8985 compliant)
<b>Energy Consumption During Freezing (kWh/24h)</b>	1.3370	<b>Energy Consumption Cool Down (kWh/24h)</b>	1.1580

#### PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

<b>Solar radiation ref period (kWh/m2/day)</b>	0.00
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#### PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

<b>Freezer type</b>	Vaccine /Waterpacks freezer	<b>Freezer net volume</b>	98
<b>Freezer's gross volume (Litres)</b>	106.00		

**List of accessories** Single-phase voltage stabilizer (WHO PQS E007 approved) External electronic thermometer/display Lock with 2 keys Vaccine loading and waterpack placement instruction sheets (Figures 11 & 12 in report)

**List of spare parts, Reference & Price** AC Compressor-NLE 9KTK R600a WOT Condenser Drier Filter Starting Capacitor AC Fan motor Control Panel Temperature sensors Temperature Controller – Dixell XR30CX Thermometer- solar operated ON/OFF switch Mains Indicator Lamp Compressor indicator lamp – Green Electrical wiring 1sq mm Temperature monitoring data logger - PQS Code E006/081 Mains Cord – 3 core 1sq mm Voltage Stabilizer - PQS Code E007/007 Door Handle key, set - 2pc. Door Hinges with PVC cover Basket with Handles – 5 Nos. SS304 Material Foot with bolts(Adjustable foot) complete Base plate Fitting Drain plug - Ø6

### PRICE AND SHIPPING

<b>Shipping volume (m3)</b>	0.544	<b>Shipping weight (kg)</b>	88.00
<b>Minimum order</b>	1.00	<b>Units per package</b>	1.00
<b>Incoterms</b>	EXW	<b>Price 1</b>	Per unit is 2500 USD
<b>Price 2</b>	10 units is 24,375 USD	<b>Price 3</b>	100 units is 237,500 USD
<b>Year of base price</b>	2025		

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#### QUALITY STANDARD

<b>Quality Standard</b>	ISO 9001: 2000	<b>Specification Reference</b>	Applicable PQS specification: E003/FZ01.2 Applicable PQS VP(s):
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#### VERIFICATION

<b>Verification Laboratory</b>	0013X00004MI8OnQAJ	<b>Verification Report Reference</b>	UL India Pvt. Ltd., Report No. 4791197699-02-OTHER-S1-A1, dated 10 March 2025
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#### PRODUCT SITES

<b>Organization name</b>	Mark Enterprises
<b>Address</b>	Shed No.1, Plot No.93/2, Street No.17, City: MIDC Satpur Nashik Maharashtra India

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<b>Current PQS status:</b>	<i>Prequalified</i>	<b>Valid until:</b>	<i>31 May 2027</i>
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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.