



E003: Refrigerators and freezers



Product name:	TCW 40C AC
IMD-PQS Code:	E003-170
Status:	Prequalified
Date of acceptance:	09 Jun 2026
Appliance type:	E003
Product description:	Combined icelined refrigerator/waterpacks freezer
Manufacturer:	B Medical Systems Sarl
Manufacturers Reference:	TCW 40C AC
Country of Manufacture:	Luxembourg
Address:	17 Op der Hei Hosingen Luxembourg Luxembourg
Telephone:	+ 35 2 92 07 311
Email:	info@bmedicalsistemas.com
Website address:	www.bmedicalsistemas.com
Valid until:	31 May 2027

Specifications

PRODUCT SPECIFICATIONS - MAIN

Climate zone	Hot	Minimum rated ambient temperature (°C)	5.00
Relative Humidity (Min)	5.00	Relative Humidity (Max)	95.00
Freeze protection	Grade A	Hold over time (hours:mn)	144:00
External dimensions length (mm)	780.00	External dimensions width (mm)	1055.00
External dimensions height (mm)	910.00	Appliance tested at (°C)	43.00
Performance at" (°C)	43.00	Ambient temperature during testing (°C)	43.00
Fuel and refrigeration cycle	Electric - Compression	Energy source	100-240V / 50-60Hz
Lining	Ice	Energy Consumption During Freezing (kWh/24h)	1.3200
Energy Consumption Intermittent Power (kWh/24h)	1.0600	Energy Consumption Cool Down (kWh/24h)	0.9900
Energy Consumption Continuous Power (kWh/24h)	1.1600		

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

Refrigerator vaccine storage capacity(L)	36.500	Refrigerator's gross volume (Litres)	47.000
Autonomy (hrs:mn)	144:00	Refrigerant type	R600a
Solar radiation ref period (kWh/m2/day)	3.50		

PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

Freezer net volume	4.8	Freezer's gross volume (Litres)	4.80
Waterpack freezing capacity (Kg/24 hrs)	4.80	Waterpack storage capacity (Litres)	4.80

Comments	This product include the latest EMS Vaccine Cold Chain from B Medical Systems. It consists of Level 2 (advanced local monitoring) remotely upgradeable to Level 3 (advanced remote monitoring including cloud platform Vaclog). Monitoring level can be selected at the time of order. This product also include the latest generation voltage stabilizer with advanced surge protection already compatible with PQS_E007_VS01.6. A led lighting is also included to allow a proper visibility of the storage compartment at night.		
List of accessories	- 2 keys. - 2 spacers. - 1 brush. - 1 travel plug. - 1 wrench. - baskets. - 1 user manual (user choice of language) - 1 recycling instructions. - 8 water-pack holders. - 8 water-pack 0.6l - 8 water-pack cap.		
List of spare parts, Reference & Price	296.9768.82 VCC COLD CHAIN CONTROLLER 296.9705.37 POWER MANAGEMENT MODULE 296.9805.13 SENSOR TEMP REGULATION 296.9805.18 SENSOR HUMIDITY REFRIGERATOR 296.9705.38 EBOX 292.9960.13 FAN 296.9702.17 COMPRESSOR Other spare parts available upon request to local service provider or B Medical Systems		

PRICE AND SHIPPING

Shipping volume (m3)	0.908	Shipping weight (kg)	130.20
Minimum order	1.00	Units per package	1.00
Incoterms	EXW	Price 1	For quantities between 1-39 pcs: 5,890 EUR EXW
Price 2	For quantities between 40-99 pcs: 5,596 EUR EXW	Price 3	For quantities above 100pcs: 5,301 EUR EXW
Year of base price	2026		

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001 & ISO 13485
Specification Reference	Applicable PQS specification: E003/RF03.7 Applicable PQS VP: E003/RF03-VP.5		

VERIFICATION

Verification Laboratory	CEMAFROID SAS	Address	5 Avenue des Pres CS 20029 F94 266 Fresnes Cedex FranceFrance
Telephone	+33 1 49 84 84 84	Email	gerald.cavalier@cemafrroid.fr
Verification Report Reference	CEMAFROID SAS WHO 25-06- Test report_TCW40CAC-corr_1		

PRODUCT SITES

Organization name	B Medical Systems Sarl
Address	17 Op der Hei Hosingen Luxemburg Luxembourg

Current PQS status:	<i>Prequalified</i>	Valid until:	<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.