



E003: Refrigerators and freezers



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Product name:	TCW 120C AC
IMD-PQS Code:	E003-152
Status:	Prequalified
Date of acceptance:	20 Apr 2026
Appliance type:	E003
Product description:	Combined icelined refrigerator/waterpacks freezer
Manufacturer:	B Medical Systems Sarl
Manufacturers Reference:	TCW 120C 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)	30.00	Relative Humidity (Max)	85.00
Freeze protection	Grade A	Hold over time (hours:mn)	127:55
External dimensions length (mm)	780.00	External dimensions width (mm)	1665.00
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)	1.6200
Energy Consumption Intermittent Power (kWh/24h)	1.2500	Energy Consumption Cool Down (kWh/24h)	1.2500
Energy Consumption Continuous Power (kWh/24h)	1.3800		

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

Refrigerator vaccine storage capacity(L)	120.000	Refrigerator's gross volume (Litres)	165.900
Autonomy (hrs:mn)	127:55	Refrigerant type	R600a

PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

Freezer type	Water-pack freezer	Freezer net volume	14.4
Freezer's gross volume (Litres)	14.40	Waterpack freezing capacity (Kg/24 hrs)	4.80
Waterpack storage capacity (Litres)	14.40		

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 Accessories supplied with the device include: - 2 keys. - 2 spacers. - 1 brush. - 1 travel plug. - 1 wrench. - baskets. - 1 user manual (user choice of language) - 1 recycling instructions. - 24 water-pack holders. - 24 water-pack 0.6l - 24 water-pack cap - 10 x 8A fuses.

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 B Medical Systems or Local Service Provider

PRICE AND SHIPPING

Shipping volume (m3)	1.41	Shipping weight (kg)	177.00
Minimum order	1.00	Units per package	1.00
Incoterms	EXW	Price 1	For 1-39 pcs: 6,990 EUR EXW
Price 2	For 40-99 pcs: 6,641 EUR EXW	Price 3	For 100pcs and above: 6021 EUR EXW
Year of base price	2026		

QUALITY STANDARD

Quality Standard	Other	Quality standard (Other)	ISO 9001 & ISO 13485
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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@cemafroid.fr
Verification Report Reference	WHO_25-07_TCW120CAC		

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.