



E003: Refrigerators and freezers



Product name:	TCW 40F SDD
IMD-PQS Code:	E003-169
Status:	Prequalified
Date of acceptance:	28 May 2026
Appliance type:	E003
Product description:	Solar direct drive waterpacks freezer
Manufacturer:	B Medical Systems Sarl
Manufacturers Reference:	TCW 40F SDD
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	Relative Humidity (Min)	30.00
Relative Humidity (Max)	85.00	Hold over time (hours:mn)	12:00
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	Fuel and refrigeration cycle	Electric - compression
Energy source	Solar Direct Drive	Lining	PCM
Energy Consumption During Freezing (kWh/24h)	0.6000	Energy Consumption Cool Down (kWh/24h)	0.6250

PRODUCT SPECIFICATIONS - ADDITIONAL REFRIGERATOR

Solar radiation ref period (kWh/m2/day)	3.50
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PRODUCT SPECIFICATIONS - ADDITIONAL FREEZER

Freezer type	Rapid water-pack freezer	Freezer's gross volume (Litres)	64.00
Waterpack freezing capacity (Kg/24 hrs)	3.60	Waterpack storage capacity (Litres)	18.00

Comments	Prices include the solar system: SG490 RGA Energy sources: nominal 37 V DC solar electric array. Minimum power 490 watts at solar radiation reference period 3.5 kWh/m2/day Freezer net volume: 50 - 110 L Range freezing capacity: 5 kg/24h Range waterpack storage capacity: 20 - 100L Water-pack freezing capacity: 18kg = 30 Water-packs 0.6L
List of accessories	2 Keys 2 spacers 8 waterpacks 0.6l 8 waterpack holders 8 waterpack caps 1 brush 1 compass 1 wrench 1 basket 1 user manual 1 recycling instructions
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 parts are available as spares on request.

PRICE AND SHIPPING

Shipping volume (m3)	0.908	Shipping weight (kg)	122.00
Minimum order	1.00	Units per package	1.00

Incoterms	EXW	Price 1	For quantities between 1-39 pcs: 7,490 EUR EXW
Price 2	For quantities between 40-99 pcs: 7,116 EUR EXW	Price 3	For quantities above 100pcs: 6,741 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/FZ03.3 Applicable PQS VP(s): E003/FZ03-VP.1		

VERIFICATION

Verification Laboratory	Re/Gent B.V	Address	Lage Dijk 22Netherlands
Telephone	+31492 476365	Email	patrick.beks@re-gent.nl
Verification Report Reference	Re/Gent B.V. BM34/25335/V1		

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.