



## E003:

## Refrigerators and freezers

<b>PQS code:</b>	<b>E003/043</b>
<b>Type of appliance:</b>	Solar direct drive combined refrigerator/freezer
<b>Manufacturer's reference:</b>	TCW 2043 SDD
<b>Manufactured in:</b>	Luxembourg
<b>Company:</b>	B Medical Systems Sarl
<b>Address:</b>	17 Op der Hei L-9809 Hosingen Luxembourg
<b>Telephone:</b>	+ 35 2 92 07 311
<b>Email:</b>	<a href="mailto:info@bmedicalsistemas.com">info@bmedicalsistemas.com</a> , <a href="mailto:Gilles.Ries@bmedicalsistemas.com">Gilles.Ries@bmedicalsistemas.com</a> , <a href="mailto:Admilson.Pinto@bmedicalsistemas.com">Admilson.Pinto@bmedicalsistemas.com</a>
<b>Web address:</b>	<a href="http://www.bmedicalsistemas.com">www.bmedicalsistemas.com</a>

## Specifications

<b>Climate zone:</b>	Hot	<b>Min rated ambient temp:</b>	+5°C
<b>Refrigerant:</b>	R600a	<b>Energy source:</b>	Solar direct drive
<b>Appliance tested at:</b>	+43°C	<b>Ext dimensions (HxLxD)</b>	91 x 127 x 78 cm
<b>Performance at:</b>	<b>+43°C</b>	<b>Fuel and cycle type:</b>	Electric - compression
<b>SOLAR DIRECT DRIVE REFRIGERATOR</b>		<b>AND / OR FREEZER</b>	
		<b>Freeze protection: Grade A</b>	
<b>Vaccine storage capacity (Liters)</b>	70	<b>Gross volume (Liters):</b>	42
<b>Gross volume (Liters):</b>	79	<b>Waterpack freezing capacity:</b>	2.5kg/24h
		<b>Waterpack storage capacity:</b>	16x0.6L 10.5kg
<b>Autonomy as per WHO/PQS protocols</b>	73 hours 54 min	<b>At a solar radiation reference period of:</b>	3.5 kWh/m <sup>2</sup> /day

### Warning !

For solar direct drive units, the correct sizing of the solar panel array for a specific site is complex and critical. It must be agreed with both the appliance manufacturer and with the Qualified Supplier of the solar energy system at the time of ordering.

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Prices include the solar generator system : G1=roof fixes; G2=roof adjustable. Includes for the duration of the warranty period contractually agreed: the B Medical Systems RTMD with worldwide communication, real time alarms messages for temperature and open door alerts via SMS / EMAIL, GPS position using Google Maps, access to the webserver performance monitoring; compliant to WHO PQS E006/TR03.2 with one deviation as this RTMD has no integrated display (however the refrigerator has a digital display). This RTMD is exclusively bundled to B Medical Systems refrigerators / freezers. Includes warranty for 3 or 10 years as the case may be. For more information and further conditions of warranty, please contact B Medical Systems

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**Comments:**

**Accessories:**

2 baskets; 16 waterpacks 0.6 L; 4 keys; documentation; 1 pan for drain . , 2 lockable lids, 2 spacers, 1 brush, 1 compass

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**Spare parts (ref, price):**

Included in the UNICEF Supply Division spare parts kit:  
1 No. Compressor (BD35K Solar) - Part No.296.9702.09  
1 No. E-BOX BD35K SOLAR - Part No. 296.9705.32  
1 No. Electronic thermostat/controller (TCW DC Solar) - Part No. 292.2009.05  
1 No. FAN PAPST #4312NNU 12V 4.3W 410MM - Part No. 292.9960.13

Other parts are available as spares on request.

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**Shipping volume:**

1.07m3

**Shipping weight:**

166kg

**Price year**

2022

**Incoterms**

EXW

**Price**

> 100 units: G1: 8279€ ; G2:  
9296€

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**Quality standard:**

- ISO 13485 - ISO 14001 -  
ISO 9001 -

**Specification ref.**

**Verification report:**

WHO 13-025 and WHO 16-  
009

**Verification laboratory:**

CEMAFROID SAS

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**Current PQS status:**

*pre-qualified: 27 Mar 2014*

**Validity until:** *May, 2024*

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Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.