



## E003:

## Refrigerators and freezers

<b>PQS code:</b>	<b>E003/077</b>
<b>Type of appliance:</b>	Solar direct drive combined refrigerator/freezer
<b>Manufacturer's reference:</b>	TCW15 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@bmedicalsyste.ms.com">info@bmedicalsyste.ms.com</a> , <a href="mailto:Gilles.Ries@bmedicalsyste.ms.com">Gilles.Ries@bmedicalsyste.ms.com</a> , <a href="mailto:Admilson.Pinto@bmedicalsyste.ms.com">Admilson.Pinto@bmedicalsyste.ms.com</a>
<b>Web address:</b>	<a href="http://www.bmedicalsyste.ms.com">www.bmedicalsyste.ms.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>	95x73x73cm
<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>	16 Litres	<b>Gross volume (Liters):</b>	2.4 Litres
<b>Gross volume (Liters):</b>	26.5 Litres	<b>Waterpack freezing capacity:</b>	1.97 kg
		<b>Waterpack storage capacity:</b>	4 x 0.6L waterpacks
<b>Autonomy as per WHO/PQS protocols</b>	84 hours	<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.

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 2 or 10 years as the case may be. For more information and further conditions of warranty, please contact B Medical Systems

**Comments:**

**Accessories:**

2 baskets; 4 water-packs 0.6 L; 4 water-pack holders; 2 keys; 1 brush; 2 spacers; documentation

**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. Electronic Control Unit - Part No.296.9705.12  
 1 No. Electronic thermostat/controller - Part No.296.9769.82  
 1 No. Fan (12-28 V, 5.6W) - Part No.292.9960.09

Other parts are available as spares on request.

**Shipping volume:**

0.65 m3

**Shipping weight:**

87 kg

**Price year**

2019

**Incoterms**

EXW

**Price**

> 100 units: G1: 3819 €; G2:  
4081 €

**Quality standard:**

- ISO 9001:2008 - ISO 13485  
 - Other - ISO/TS 16949:2009 -

**Specification ref.**

**Verification report:**

WHO 16-014 and WHO 16-  
015

**Verification laboratory:**

CEMAFROID SAS

**Current PQS status:**

*pre-qualified: 13 Sep 2016*

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

Note: If Current PQS status is 'Suspended' or 'Withdrawn', this product is NOT to be purchased.