

SDD VACCINE REFRIGERATOR WITH WATERPACK FREEZER

VC150SDD

+2 °C to
+8 °C
Internal

102 litre
vaccine capacity
20 x 0.6 litre
waterpacks

>77 hour
autonomy



Overview

Our WHO PQS accredited Solar Direct Drive (SDD) vaccine refrigerators and waterpack freezers offer 365 days of stable +2 °C to +8 °C temperatures, ensuring optimal vaccine storage in all conditions.

Perfect for outreach programmes, this product can freeze 2kg of waterpacks per 24 hours.



Key Features



WHO PQS accredited

Exceeding the Performance, Quality and Safety standards set by the World Health Organisation



Grade A, Freeze Free

All products have Grade A User-independent Freeze Protection (UIFP)



Hot Zone Rated

Operates at a stable +2 °C to +8 °C in an extended ambient operating range of +5 °C to +43 °C



Plug and Play

power system for easy installation



Lockable handle

In-built lock and 2 keys to keep vaccines safe



Wire Baskets

Six stacking baskets for easy stock management and optimum airflow



Solar Panel Kit

Includes a 900 Wp minimum solar array and mounting system



Heavy duty castors

For easy handling



Three Year Warranty

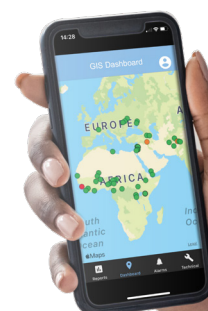
Manufacturers warranty provided as standard

Connected Cold Chain with EMS Level 3

Our upgraded Solar Direct Drive refrigerators now feature integrated WHO PQS accredited Equipment Monitoring System (EMS) technology. With Level 3 monitoring, your data won't be isolated as real-time remote visibility ensures that your vaccines remain safely protected within the critical +2 °C to +8 °C range.

- **Operational Visibility:** Real-time tracking of temperature, power, door openings, and compressor health.
- **Smartphone Alerts:** Global mobile notifications enable rapid intervention before spoilage occurs.
- **Targeted Maintenance:** Remote diagnostics help technicians arrive prepared for a first-time fix.
- **Streamlined Reporting:** Automated reporting feeds directly into dashboards accessible at national level.

* dependent on 'BeyondColdCloud™' subscription activation and GSM connectivity



Refrigerator Performance

Net vaccine storage capacity	102 litres
Waterpack storage capacity	20 x 0.6 litres or 12 kg
Gross volume	158 litre refrigerator and 42 litre freezer
Climate zone	Hot Zone (+43 °C)
Minimum rated ambient temperature	+5 °C
Autonomy time†	77 h 57 min at +43 °C
Solar array size	>900 Wp

Refrigerator dimensions

External dimensions (H x W x D)	980 mm x 1280 mm x 750 mm
Shipping dimensions (H x W x D)	1180 mm x 1355 mm x 825 mm
Net weight	153 kg
Shipping weight	199 kg

System dimensions

Shipping dimensions (H x W x D)	350 mm x 1810 mm x 1220 mm
Net weight	64kg
Shipping weight	104 kg

Technical details

Operating voltage	24 to 45 V d.c.
Minimum starting voltage	24 V d.c.
Minimum starting power	50 W refrigerator / 50 W freezer
Minimum solar radiation for continuous running	200 W/m ² (using 900 Wp array)
Compressor	Secop (Danfoss)
Refrigerant	R600a

WHO pre-qualification

PQS reference	E003/048
Test procedure	E003/RF05-VP.2
Performance specification	E003/RF05.2

†Autonomy is the amount of time that the refrigerator can maintain the vaccine load within the temperature range of +2 °C to +8 °C with minimal solar radiation available and at the maximum rated ambient temperature.