

VC200SDD

Large capacity, Hot Zone rated,
WHO PQS accredited, Solar Direct Drive
refrigerator, Fully GAVI CCEOP compliant

+2 °C to
+8 °C
internal

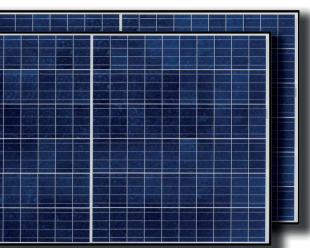
132 litres
vaccine capacity

>79 hour
autonomy

Sturdy, lockable handle

High-strength
metal hinges

Plug and play
power system
for easy installation



Durable twin gasket seals
designed for easy
maintenance

Integrated Beyond ICE3
with temperature display
and alarm




Grade A, UIFP Freeze Free
+5 °C to +43 °C extended
operating temperature
range

Heavy-duty castors
for easy handling

Features and Benefits:

- ✓ Includes a **400Wp** minimum solar array and mounting system
- ✓ Tested to survive **ambient storage temperatures** of up to +70 °C
- ✓ **Climate friendly** R600a refrigerant
- ✓ **CFC-free**
- ✓ Corrosion tested to meet **WHO standards**
- ✓ Lowest **Total Cost of Ownership (TCO)**

Supplied with:

-  **Three-year** manufacturer's warranty as standard
-  **Six stacking baskets** for easy stock management
-  **Integrated** Remote Temperature Monitoring Device (RTMD)

The VC200SDD is Hot Zone rated which means it operates at a stable +2 °C to +8 °C in an extended ambient operating range of +5 °C to +43 °C



beyond
READY

Dulas refrigerators are
now Beyond ready!

Integrated Beyond
ICE3 RTMD fitted to
all Dulas refrigerators
as standard.



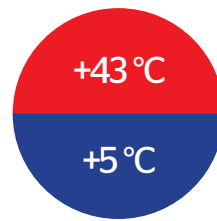
Temperature Monitoring Device

- ✓ **WHO PQS** accredited
- ✓ **120-day** local data storage accessible via USB port
- ✓ **30-day** pdf report available by scanning QR code
- ✓ **Remote activation** means no installation costs
- ✓ **Seamlessly connects** to your existing Beyond cold chain management system

Beyond's Remote Temperature Monitoring System (RTMS) provides real-time monitoring and reporting of cold chain assets in one easy to use cloud based portal.

VC200SDD

Technical specifications



Performance

Net vaccine storage capacity	132 litres
Gross volume	205 litres
Climate zone	Hot Zone (+43 °C)
Minimum rated ambient temperature	+5 °C
Autonomy time†	79 h 29 min at +43 °C
Solar array size	>400 Wp

Refrigerator dimensions

External dimensions (H x W x D)	980 mm x 1282 mm x 740 mm
Shipping dimensions (H x W x D)	1180 mm x 1355 mm x 825 mm
Net weight	147 kg
Shipping weight	194 kg

System dimensions

Shipping dimensions (H x W x D)	350 mm x 1810 mm x 1220 mm
Net weight	38.5 kg
Shipping weight	72.5 kg

Technical details

Operating voltage	24 to 45 V d.c.
Minimum starting voltage	24 V d.c.
Minimum starting power	50 W
Minimum solar radiation for continuous running	200 W/m ² (using 400 Wp array)
Compressor	Secop (Danfoss)
Refrigerant	R600a

WHO pre-qualification

PQS reference	E003/O40
Test procedure	E003/RF05.3-VP.3
Performance specification	E003/RF05.3

†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.

Dulas. Experts in cold chain technology.

For over 40 years, Dulas has been a pioneer in renewable energy. Our mission is to develop and implement renewable energy solutions that improve lives, help to combat climate change, and support communities in the most remote parts of the world. Renowned for our WHO pre-qualified solar vaccine refrigerators and freezers, we continue to innovate by developing and improving our products and supporting projects in the field by providing in-depth technician and user training.

