

PRODUCT OVERVIEW

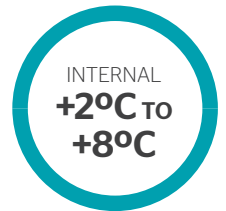
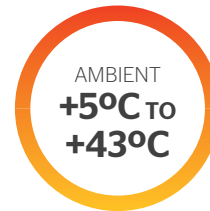
VC200SDD Bloodbank

Solar-powered direct drive bloodbank refrigerator

**A bespoke design for use in the cold chain -
the enhanced VC200SDD is suitable for blood
storage.**

Features & Benefits

- 120 x 280ml bloodbag storage capacity
- +5°C to +43°C extended operating temperature range
- Works at WHO solar reference period 3.5kWh/m²/24h
- 90hr 30min holdover at +43°C
- 79hr 29min autonomy at +43°C
- Maximum and minimum temperature recording
- Dedicated technical support and aftercare
- In-built solar powered temperature display
- All-metal, high strength hinges
- Heavy duty castors to make handling easier
- User-independent Grade A freeze protection
- Completely battery free, with plug and play connectors for easy installation
- Environmentally friendly: R600a refrigerant with low global warming potential and innovative insulation technology, giving exceptional energy efficiency
- Packaging tested to industry standards
- Tested to survive ambient storage temperatures up to +70°C
- British made
- CFC-free



**Remote temperature monitoring also available
according to customer requirements.**



VC200SDD Bloodbank

Technical Specifications

Performance

Net bloodbag storage capacity	120 bags (280ml/bag)
Number of baskets	5
Climate zone	Hot zone (+43°C)
Minimum rated ambient temperature	+5°C
Holdover time	90hr 30min at +43°C

Dimensions

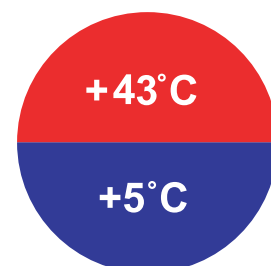
External: H x W x D	959 x 1282 x 740 mm
Shipping weight	129 kg
Gross volume	205.2 litre

Technical Details

Operating voltage	24 to 45 Vdc
Minimum starting voltage	24 Vdc
Minimum starting power	50 W
Minimum solar radiation for continuous running	125 W/m ² (using 400 Wp array)
Compressor	Danfoss / Secop BD35K
Refrigerant	R600a

WHO Pre-qualification

Test procedure	E003/RFO5.3-VP.3
Performance specification	E003/RFO5.3
PQS reference	E003/040



Experts in Solar innovation

The Dulas Solar International team provide high quality solar solutions where there is an unreliable or nonexistent grid network. Since 1982, Dulas has supplied solar power systems throughout the world for healthcare, water supply, telecommunications, humanitarian development, education, commerce and communities.

Our products and services include solar vaccine refrigerators and freezers (certified to WHO PQS standards), training and technical advice on the use and maintenance of refrigerator systems, solar water pumping and bespoke solar generating systems for remote locations.