

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

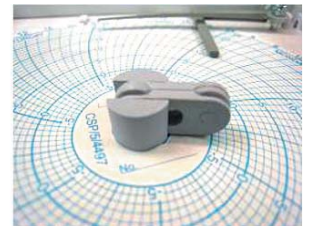


BLOOD
CAPACITY
**120
BAGS**

AMBIENT
**+5°C TO
+43°C**

INTERNAL
**+2°C TO
+8°C**

**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

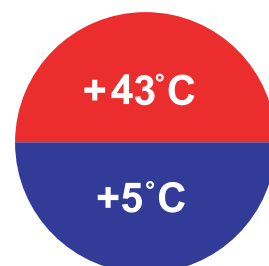
| | |
|---------------------|---------------------|
| External: H x W x D | 959 x 1282 x 740 mm |
| Shipping weight | 129 kg |
| Gross volume | 205.2 litre |

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.