



Naps' CFS49ISi vaccine refrigerator system has passed all the required WHO tests and is one of the leading products of this type in the world. The standard Naps vaccine refrigerator system is normally stocked for emergency deliveries.

Refrigerator for Vaccine Storage

Naps CFS49ISi vaccine refrigeration system is designed around a special CFC-free 12 Volt dc refrigerator of gross internal volume of 58 litres. The CFS49ISi system is particularly suited for use in areas without electricity or a fuel supply, extending the cold chain and basic medical care needs from base hospitals to remote areas.

CFS49ISi is capable of storing up to 5.4 kg of frozen icepacks, whilst maintaining 30 - 35 litres of standard vaccine packs between +2 °C and +8 °C. A set of icepacks of up to 2.4 kg can be frozen whilst keeping the vaccine load within the required temperature limits. Meets the WHO/UNICEF standard E3/RF4.

This vaccine storage system is delivered complete, comprising of refrigerator and a Naps Universal Power Pack.

The Naps Universal Power Pack includes a photovoltaic array, support structure, battery box with integral charge controller and vented batteries. Provision for fast installation is made by the use of quick fit cables and connectors.

Other hardware includes: table for fridge and Naps Universal Power Pack, tools, vaccine boxes, ice packs and necessary instruction guides.

Naps CFS49ISi vaccine refrigerator's performance data

Gross internal volume: 58 litres

Net vaccine storage volume: 49 litres

Ice pack storage

- Up to 9 frozen icepacks of 0.6 litre can be stored
- Up to 4 ice packs of 0.6 litre can be frozen at any one time

Power consumption at 32 °C

- 26 Ah/day (steady running)
- 45 Ah/day (with ice pack freezing)

Power consumption at 43 °C

- 48 Ah/day (steady running)
- 82 Ah/day (with ice pack freezing)

System components

Complete standard stationary system includes:

- 4 pieces 50 Watt modules
- Vaccine fridge CFS49ISi
- 2 x 100 Ah/12 Volt batteries
- Table
- Battery box with integrated charge controller, support structure, all cables with plugs, all necessary accessories and a tool kit.

Estimated shipping data as a stationary system

- Weight 300 kg
- Volume 1.3 m³ including batteries

List of individual components and spare parts

Product code	Item
13040	Solar module NR50G, 50 Watts
57090	Table for vaccine fridge CFS49ISi and battery box, dimensions 100 (l) x 61 (w) x 90 (h) cm
20250	Support structure for 4 modules, SM-4
20260	Support structure for 8 modules, SM-8
57000	Condenser fan
82000	SGF 12/100 dry charged battery with acid in separate container. Accessories for parallel-connecting 2 batteries.
59000	Battery box with charge controller, 10m 2 x 6mm ² array cable with plugs, 2 m 2 x 4 mm ² cable to the refrigerator with plugs
76460	Plastic plugs TPI for the cable clips used in brick walls, box of 100 units
56000	Vaccine refrigerator CFS49ISi, dimensions 107 (l) x 44,5 (w) x 51 (h) cm and weight 57 kg
76280	Installation tape, 1 coil, 25 mm
57091	Ice pack 0.6 litre, approved by WHO/UNICEF
57040	Compressor (CFC-free)
57150	Tool kit for the vaccine fridge system
76625	Cable clips, TC-7-14, box of 100 units

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Other models will be offered on request. Please contact us for assistance.