

# HEALTHCARE COLD CHAIN COOLING SOLUTIONS

**COOLING WITH CARE  
SECURING HEALTH, PROTECTING LIVES**

Protect what matters with cooling solutions designed to safeguard health and save lives.

# HEALTHCARE

## A COMMITMENT TO HEALTH

### **EVERY DEGREE MATTERS. EVERY LIFE COUNTS**

Every day, Vestfrost Solutions help protect millions of vaccine doses, medicines, and biological samples around the world. Behind each one is a life depending on safe storage.

We take that responsibility seriously.

With decades of experience in professional refrigeration, we are a trusted partner for healthcare professionals globally. Our solutions meet the strict demands of the healthcare sector, where even a single degree can make the difference between safety and risk.

### **DESIGNED FOR CRITICAL NEEDS**

From hospitals and laboratories, to remote clinics and national health programs, our appliances ensure reliable temperature control, compliance, and peace of mind.

Designed for diverse industries, every appliance is built to ensure safety and trust - in the end improving health and even saving lives.





# TRUSTED AND USED WORLDWIDE

For over 30 years, we have delivered healthcare refrigeration worldwide in two key segments: BIOMEDICAL & COLD CHAIN EQUIPMENT.

Our extensive experience provides deep insight into temperature control - inside and outside the appliances.

To guarantee local support and reliable delivery, we work closely with a strong global network of partners. Their on-the-ground expertise ensures meeting local needs and maintaining high standards, even in the most challenging environments.

From major cities to rural areas, our cooling solutions are vital for keeping medical inventory and people safe.



## PROVEN PERFORMANCE & GLOBAL TRUST

18+ million units produced – many still in operation today. Trusted by healthcare professionals worldwide to deliver reliability and peace of mind every day.



## PARTNERSHIP

We work closely with healthcare professionals and partners to develop solutions that meet real-world needs – supported by our global network of local service partners.



## RELIABILITY IN EVERY STEP OF THE COLD CHAIN

Designed for stable temperature control, even in demanding environments, keeping vaccines and sensitive products protected at all times.



## PROTECTING WHAT MATTERS MOST

Helping ensure that life-saving vaccines reach those who need them most, supporting healthier communities worldwide.



**TOGETHER,  
WE DELIVER TRUST  
– EVERYWHERE.**

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# COLD CHAIN EQUIPMENT

## **Keeping vaccines safe. Anywhere.**

For more than 35 years, Vestfrost has supported global immunization programs by ensuring vaccines remain safe and effective, even in the most challenging environments. Our reliable cold chain solutions are built to perform, so healthcare professionals can focus on what matters most—saving lives.

As a long-standing UNICEF supplier, we provide WHO-approved equipment to Ministries of Health in over 100 countries, making us a trusted partner in global healthcare.

## **Proven impact worldwide**

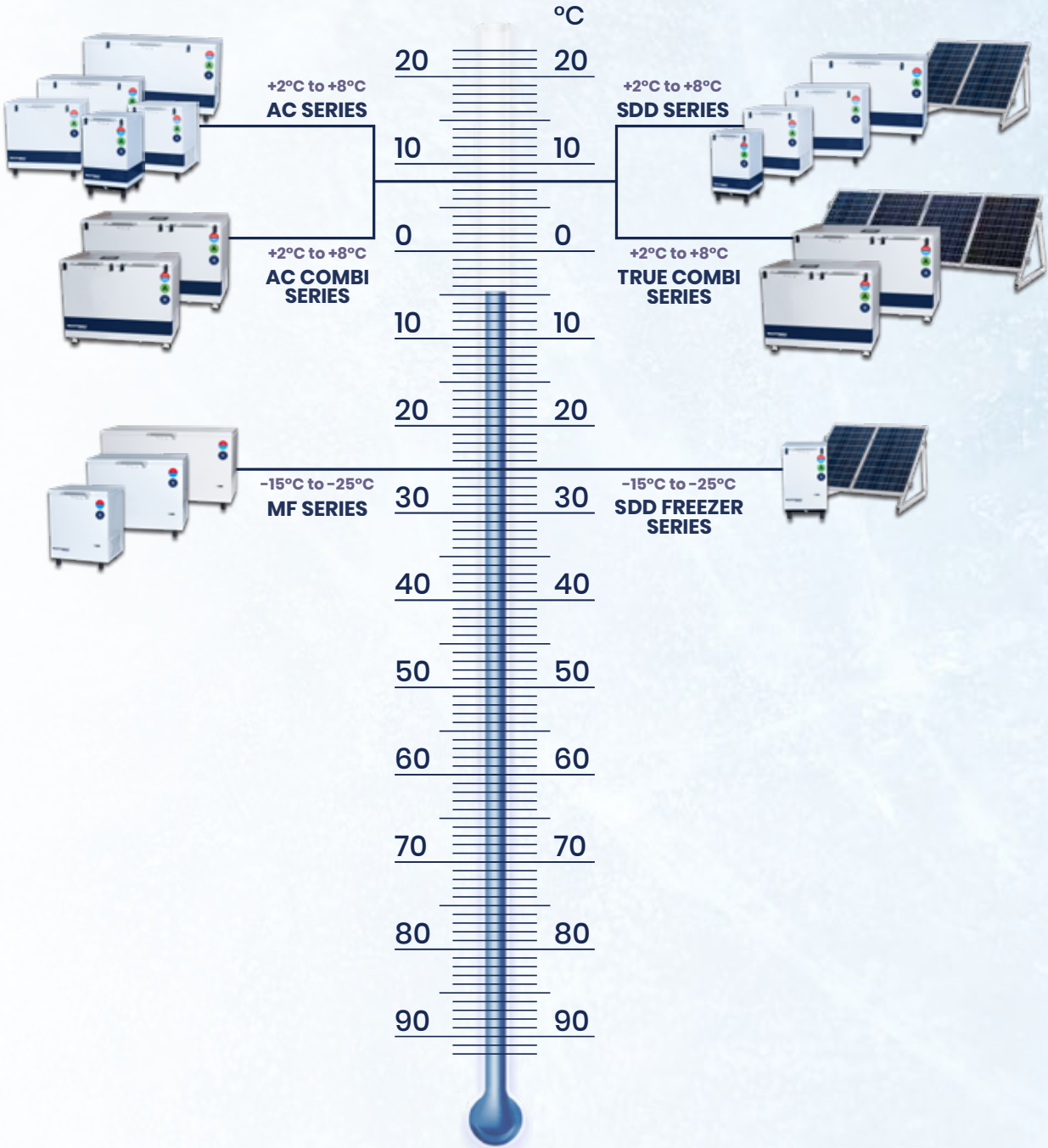
Over the past decade, more than 100,000 Vestfrost vaccine coolers have been deployed globally, supporting safe vaccine storage around the world.

Our solutions help deliver life-saving vaccines safely—even in remote locations.

These units have supported the storage of billions of vaccine doses, contributing to immunization efforts led by health authorities, NGOs, and international organizations.

**TOGETHER,  
WE HELP PROTECT COMMUNITIES AND  
IMPROVE GLOBAL HEALTH.**

# PRODUCT RANGE



## WHO PQS

All our Cold Chain appliances are approved according to the strict WHO PQS (Performance, Quality and Safety) standards for the storage of vaccines.



## **Reliable cold chain for extreme conditions**

Vestfrost Cold Chain Equipment is purpose-built for tropical and hot-zone conditions. All units are hot zone approved, maintaining a stable +2°C to +8°C even in ambient temperatures from +5°C to +43°C.

Our refrigerators and freezers are self-regulating and built to withstand dust, humidity, and harsh climates, ensuring vaccines remain potent and safe at all times. With no complicated setup required, the equipment delivers dependable, continuous protection, allowing healthcare workers to concentrate on what matters most: patient care.

## **Global technical training**

We ensure our partners are fully equipped to maintain and service Vestfrost units anywhere in the world. Our technical training programs cover everything from installation to advanced troubleshooting, giving teams the confidence and skills they need.

Sessions are delivered both online and through on-site visits, where our experts provide hands-on instruction. This ensures your team is always prepared to keep equipment running smoothly.

## **Turnkey Solutions**

With our Turnkey Solutions model, any project will experience full yield of the procured Cold Chain Equipment from planning to installation, regardless of project size or location.

Vestfrost Solutions works with over 120 trained partners worldwide. This network allows us to reach end users quickly and efficiently, even in remote areas. Our partners receive continuous training and direct support from our headquarters. We believe in offering our partners the same level of support we expect them to provide to end users.

# TrueBlue Series

# A NEW GENERATION OF PRODUCTS

## Built for a new generation of healthcare delivery

From January 2026, all CCE appliances introduce a completely new product platform - designed and developed to meet the evolving demands of modern vaccine storage and healthcare systems, smarter functionality, and improved reliability - supporting more efficient, data-driven and resilient cold chain operations.

A new generation of products. A continued commitment to quality, performance, and long-term impact.

**The distinctive blue stripe marks more than a design update - it signals a step change in how Vestfrost solutions support immunization programs worldwide.**



## Our new portfolio supports performance, safety and reliability



TrueBlue



Built-in intelligent monitoring.



Improved life-saving features.



Approved according to all new PQS standards.



Designed for demanding healthcare environments.

# EMS CONTROLLER FUTURE-PROOF

## Your vaccine storage

Our integrated EMS system is available in levels 1-3 across the full VLS range and is fully compliant with the latest WHO PQS standards.



### What this means for you

- ✓ Full compliance with WHO PQS standards.
- ✓ Faster troubleshooting and proactive maintenance.
- ✓ Local and remote monitoring.
- ✓ Upgrade-ready for future technologies.

### Why the new EMS standard?

The updated PQS requirements set a new standard for monitoring and data use.



Who PQS compliant



Advanced insights



Easy integration with LMIS/eLMIS



Faster issue detection



M2M connectivity & remote access



Clear data ownership

# EMS LEVELS

## From basic monitoring to full connectivity

A clear overview of EMS capabilities across levels  
– scalable to match your cold chain needs.



### LEVEL 1 Local basic

#### Basic monitoring (manual)

- ✓ Monitoring locally
- ✓ Data access (USB)
- ✓ Local display
- ✓ Alarm locally (display)  
Audio + visual
- ✓ Update possibility  
to Level 2/ Level 3



### LEVEL 2 Advanced local

#### Local decision support (advanced)

- ✓ All level 1 features
- ✓ Local dashboard/  
visualization
- ✓ Local data analysis  
& decision support
- ✓ Update possibility  
to Level 3



### LEVEL 3 Advanced (full remote)

#### Full fleet management

- ✓ All level 2 features
- ✓ Remote connectivity  
(GSM/SIM)
- ✓ Remote monitoring  
(dashboard)
- ✓ SMS / E-mail alarms
- ✓ Auto communication  
to external systems API
- ✓ User apps / email  
reporting



### Upgradable from Level 1 to Level 3

A future-ready platform that grows with your needs.



1

2

3

# VACCINE REFRIGERATORS

## AC Series

+2°C to +8°C

### Plug in and protect

A new vaccine refrigerator arrives at the health clinic, and installation is quick and hassle-free. The unit comes ready to plug in, with no additional setup or equipment required. It's a dependable solution for clinics and facilities that need reliable vaccine storage, day in and day out.

The TrueBlue VLS AC series is designed for long-term performance and is among the most cost efficient vaccine refrigerators available, helping you manage operating costs while ensuring vaccines remain safe and ready.

### Robust design for lasting performance

Built to support your operations for years to come, with minimal maintenance and low energy consumption, it integrates seamlessly into busy clinics and health centres, allowing staff to focus on patient care rather than equipment.

With its robust construction and consistent temperature control, it is a solution you can rely on.



AC SERIES	VLS 174Ae AC	VLS 204Ae AC	VLS 304Ae AC	VLS 404Ae AC	VLS 504Ae AC
Temperature range, °C	+2°C to +8°C	+2°C to +8°C	+2°C to +8°C	+2°C to +8°C	+2°C to +8°C
Dimensions, H x W x D, mm	950 x 550 x 650	910 x 720 x 700	910 x 920 x 700	910 x 1260 x 700	910 x 1560 x 700
Packed dimensions, H x W x D, mm	1055 x 610 x 675	1025 x 785 x 727	1025 x 980 x 727	1025 x 1320 x 727	1025 x 1620 x 727
WHO PQS code	E003/120e	E003/109e	E003/110e	E003/112e	E003/113e
Hold-over time, hours	57,52	54	55,50	55,00	55,27
Net/Gross Volume, L	38/50,6	60/113	98/157	145/235	242/314
Net/Gross Weight, kg	63,8/84,7	91,4/116,4	104,8/132,2	127,2/159,0	172,0/193,7
Baskets	1 + 1	2 + 1	3 + 2	4 + 3	6 + 4
Optional as 115V	Yes	Yes	Yes	Yes	Yes
EMS level 3 as an option	Yes	Yes	Yes	Yes	Yes



## Our mission

We empower healthcare workers and organizations with robust, energy-efficient, WHO-approved solutions.

By helping vaccines and essential medicines reach those who need them most, Vestfrost contributes to a healthier and safer world – especially for the youngest and most vulnerable.

The right appliances do more than protect vaccines – they help save lives.

**THEIR NEEDS,  
OUR PRIORITY**

# AC REFRIGERATORS & FREEZER IN ONE

## AC COMBI SERIES

+2°C to + 8°C / -15°C to - 25°C

### Everything ready in one place

It is early morning, and the team is preparing for a long day in the field. They need vaccines safely chilled and icepacks perfectly frozen – without delays or complexity.

The AC Combi Series brings everything together in one energy-efficient solution, combining reliable vaccine refrigeration with icepack freezing to support smooth and efficient vaccination campaigns.

### Ready to plug in

This all-in-one refrigerator and freezer stores vaccines and icepacks in one compact system, with electric operation for consistent performance in clinics, hospitals, and outreach hubs with stable power access.



AC COMBI SERIES	VLS 086A RF AC	VLS 096Ae RF AC
Temperature range, refrigerator °C	+2°C to +8°C	+2°C to +8°C
Temperature range, freezer °C	-15°C to -25°C	-15°C to -25°C
Dimensions, H x W x D, mm	925 x 1190 x 755	925 x 1510 x 755
Packed dimensions, H x W x D, mm	1065 x 1240 x 785	1065 x 1560 x 785
WHO PQS code	E003/168	TBA
Autonomy, hours	128,33	114,33
Gross volume, L	57,625	110
Net/Gross Weight, kg	152/160	150/190
Water pack freezing capacity, kg/24h	2,4	2,4
Water pack storage capacity, L	28 x 0,6	28 x 0,6
Baskets	1	2
Optional as 115V	Yes	Yes
EMS level 3 as an option	Yes	Yes

# FROM SOLAR TO SOCKET



## Simplifying vaccine logistics

The AC Combi series delivers the same trusted performance and user-friendly experience as our popular True Combi line, now with the added convenience of mains power.

It's designed for fast setup and smooth integration into existing infrastructure, making it an ideal choice for facilities with reliable electricity. Just plug it in, and you're ready.

# VACCINE REFRIGERATORS

## SDD SERIES

**+2°C to +8°C**

### Built for places beyond the grid

In remote clinics far from power lines, vaccines remain safe and ready – even under extreme conditions.

The VLS Solar Direct Driven Series is designed for locations where power is unreliable or unavailable, delivering consistent cold chain performance without dependence on the grid or ongoing energy costs.

Supplied with 2 x 180 W solar panels, the system is ready for fast easy installation.

### When the grid fails, performance matters

Powered by sunlight, the TRUEBLUE VLS SDD Series ensures continuous vaccine protection day and night – delivering reliable, low-cost performance in remote healthcare settings.



SDD SERIES	VLS 024Ae SDD	VLS 054Ae SDD	VLS 094Ae SDD	VLS 154Ae SDD
Temperature range °C	+2°C to +8°C	+2°C to +8°C	+2°C to +8°C	+2°C to +8°C
Dimensions, H x W x D, mm	950 x 550 x 650	910 x 720 x 700	910 x 920 x 700	910 x 1260 x 700
Packed dimensions, H x W x D, mm	1055 x 610 x 675	1025 x 785 x 727	1025 x 980 x 727	1025 x 1320 x 727
WHO PQS code	E003/069e	E003/106e	E003/107e	E003/108e
Autonomy, hours	81,70	72,40	72,50	73,40
Net/Gross Volume, L	25,5/33	55,5/108	92/151	170/248
Net/Gross Weight, kg	52,8/67,8	85,0/110,5	107,0/127,9	103,8/133,8
Baskets	1 + 0	2 + 1	1 + 0	4 + 0
Port	USB A 5V	USB A 5V	USB A 5V	USB A 5V
EMS level 3 as an option	Yes	Yes	Yes	Yes



## Cold where it counts

In the most remote areas with unreliable or no electricity, the sun takes over.

With just sunlight, these appliances keep vaccines safe, even through long, hot days and cool nights. No fuel. No electricity. Just reliable protection.

Installation is quick and flexible. Whether mounted on a rooftop, a pole or the ground, the system fits your environment and gets to work – quietly, efficiently, and without interruption.

# POWERED BY THE SUN

# OUR PROJECTS

A small selection of projects we have participated in.

These cases represent only a small selection of our global footprint. Through a network of 120+ partners worldwide, we ensure our solutions reach end users efficiently.

VESTFROST  
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IVORY COAST

## Delivering long-term cold chain support in Côte d'Ivoire

Following the delivery of approximately 300 SDD units in Côte d'Ivoire, Vestfrost Solutions continued to support the project through technical training conducted with our local partner.

By strengthening local service capabilities, the project helps ensure reliable equipment performance and sustainable cold chain operations.



PAKISTAN

## Precision at Scale

With approximately 3,000 cold chain units being deployed across Pakistan in 2026, this is one of Vestfrost Solutions' largest and most complex projects this year. The full-service solution covers everything from receiving and warehousing to nationwide deployment, installation, and training.

Success relies on precise coordination and strong collaboration between the Ministry of Health, Vestfrost Solutions, and our local partner to ensure every unit reaches its destination and is ready to support reliable vaccine storage.



### Going the Extra Mile

In 2025, more than 240 CCE units were delivered across Costa Rica. One of the main challenges was reaching remote healthcare facilities, where deliveries often required transportation by boat and other alternative means. Through close coordination with local partners and training of healthcare workers, the installations were completed successfully, helping strengthen vaccine storage capacity in hard-to-reach communities.



### Supporting Reliable Vaccine Storage in Mozambique

Vestfrost Solutions supplied approximately 350 VLS056 solar-powered vaccine refrigerators to support immunization efforts across Mozambique. Working closely with the Ministry of Health and UNICEF, the project also included hands-on training to strengthen local capacity and help ensure reliable vaccine storage in remote and off-grid communities.



### Knowledge That Lasts

More than 200 units were delivered across the Dominican Republic. As many users were unfamiliar with the new EMS platform and combi units, Vestfrost Solutions and the Ministry of Health organized a three-day practical training program for both users and technicians.

The result was stronger local expertise, increased self-sufficiency, and a significant reduction in support requests.



From busy cities to remote islands and hard-to-reach villages, Vestfrost and local partner delivered vaccine refrigerators to more than 500 health facilities across Uganda in 2025, helping ensure reliable vaccine storage nationwide.

## At Vestfrost, our responsibility goes beyond production

We secure reliable delivery and on-site installation anywhere in the world. In addition, we provide comprehensive training for healthcare professionals, ensuring our partners are fully prepared to operate and maintain the equipment.

# SDD REFRIGERATOR & FREEZER IN ONE

## TRUE COMBI SERIES

**+2°C to +8°C / -15°C to -25°C**

### Two functions. One system

Vaccination day starts with two boxes to check: vaccines chilled, icepacks frozen. The True Combi series handles both from a single solar-powered system – no second appliance to source, install, or maintain.

Designed for areas with unreliable or no electricity, the VLS Solar Direct Driven Series keeps both functions running independently of the grid, with no ongoing energy costs.

VLS RF SDD models come complete with 4 x 180 W solar panels for fast and easy installation.

### Choose what fits your workflow

Two True Combi sizes offer flexibility to match your setup – supporting efficient planning, transport, and daily operations without compromising reliability.



TRUE COMBI SERIES	VLS 086A RF SDD	VLS 096Ae RF SDD
Temperature range, refrigerator °C	+2°C to +8°C	+2°C to +8°C
Temperature range, freezer °C	-15°C to -25°C	-15°C to -25°C
Dimensions, H x W x D, mm	925 x 1190 x 755	925 x 1510 x 755
Packed dimensions, H x W x D, mm	1065 x 1240 x 785	1065 x 1560 x 785
WHO PQS code	E003/157	E003/132e
Autonomy, hours	128,33	114,33
Gross volume, L	50	50
Net/Gross Weight, kg	152/160	150/190
Water pack freezing capacity, kg/24h	2,4	2,4
Water pack storage capacity, L	28 x 0,6	28 x 0,6
Optional as 115V	Yes	Yes
EMS level 3 as an option	Yes	Yes

# TWO FUNCTIONS ONE FOOTPRINT

## Zero compromise

The True Combi series combines vaccine storage and waterpack freezing in a single, space-saving appliance. It is built for healthcare teams who need to stay efficient - whether in a busy clinic or on the move.

With dependable temperature control and performance, it ensures vaccines are protected and outreach teams are always ready.



# WATERPACK FREEZERS

## SDD FREEZER SERIES

**-15°C to -25°C**

### On schedule, every morning

Outreach teams can't wait for equipment. The VFS SDD freezer series freezes waterpacks within 24 hours, so cold boxes can be packed and ready before the team heads out – even in areas without reliable power.

2 x 180 W solar panels come standard, for installation that keeps pace with a clinic's schedule, not the other way around.

### A steady supply, not a bottleneck

With a 24-hour freeze cycle, the VFS SDD freezer keeps up with daily outreach demand, ensuring frozen waterpacks are always ready when cold boxes need to be packed.



SDD FREEZER SERIES	VFS 048 SDD
Temperature range, refrigerator °C	<b>-15°C to -25°C</b>
Dimensions, H x W x D, mm	950 x 550 x 650
Packed dimensions, H x W x D, mm	1055 x 610 x 675
WHO PQS code	E003/099
Autonomy, hours	48,00
Gross volume, L	34,3
Net/Gross Weight, kg	58,1/73,13
Waterpack freezing capacity, kg/24h	1,6
Waterpack storage capacity, L	29 x 0,6

# LAST MILE, FIRST PRIORITY

## **Frozen and ready, before the journey starts**

Once packed into cold boxes, frozen waterpacks help maintain temperature over long distances and rough terrain — giving outreach teams what they need before they ever leave the clinic.

# FIGHTING FOOD LOSS IN RURAL AGRICULTURE

**Safe food. Fair prices. Healthy communities.  
Cold storage makes all three possible.**

In off-grid communities across low-income countries, the challenge is the same whether it is a vaccine or a harvest: keeping what matters cold. Without reliable cold storage, a large share of produce and fish spoils before it ever reaches a buyer - taking income, nutrition, and food safety with it.

**40%**

of food is lost post-harvest in developing regions

**1B+**

people face food insecurity today

**70%**

of those losses are preventable with cold chain

**Without cold storage, a cycle takes hold:**

- 1** Poor storage leads to poor quality
- 2** Poor quality forces distress sales at low prices
- 3** Low prices push the most vulnerable to spoiled food
- 4** Foodborne illness spreads - and the cycle repeats

By improving cold storage access, this cycle can be broken. Farmers can preserve quality, sell at fair prices, and protect the health of their communities.



# SOLAR-POWERED PROTECTION

## SOE 2015 – SOLAR DIRECT DRIVEN CHEST FREEZER

**-14°C to -16°C / -14°C to -22°C**

The same solar principle that protects vaccines in remote clinics  
- now protecting food and livelihoods.

### WHAT IT PROTECTS

#### The harvest

Extended shelf life means produce and fish reach the market in full value.



#### The income

Farmers choose when to sell - not under pressure from spoilage.



#### Food safety

Properly stored food reduces risk of foodborne illness in the community.



#### Independence

Individual ownership - no shared infrastructure, no single point of failure.



**NOTE: Solar panels, batteries and charger are not included.**

SOE appliances are not approved for vaccines or vital contents. For solar-powered vaccine storage, see the TrueBlue VLS SDD Series - p. 16.



#### SOLAR DIRECT DRIVEN CHEST FREEZER

#### SOE 215

H x W x D, mm	850 x 1125 x 600
Net / Gross weight, kg	50 / 60
Gross volume, L	213 / 12-45
Temperature range (+43°C AMB)	<b>-14°C to -16°C</b>
Temperature range (+32°C AMB)	<b>-14°C to -22°C</b>
Refrigerant	R600a
Temperature control	Automatic
Lock + keys	YES
Solar connection	Plug & play

# VACCINE & ICEPACK FREEZERS

## MF SERIES

**-15°C to -25°C**

### Dual protection

The power is out, but the vaccines are still safe. The healthcare workers in the clinic are confident that both the vaccines and the frozen waterpacks inside are exactly as they should be - protected, stable, and ready for the next outreach trip. With thick insulation and long hold-over time, the cold is maintained.

The MF Series is designed to keep vaccines safe and ready for use while ensuring waterpacks are frozen for field operations, combining two essential functions in one reliable appliance.

### How do you stay prepared?

Keep vaccines at the right temperature and freeze waterpacks in the same unit, so you're always prepared for transport.

Whether you're working in remote areas or facing unexpected challenges, the MF series keep your supplies protected and your team prepared.



MF SERIES	MF 114	MF 214	MF 314
Temperature range, refrigerator °C	-15°C to -25°C	-15°C to -25°C	-15°C to -25°C
Dimensions, H x W x D, mm	910 x 720 x 700	910 x 1120 x 700	910 x 1560 x 700
Packed dimensions, H x W x D, mm	1025 x 785 x 727	1025 x 1185 x 727	1025 x 1620 x 727
WHO PQS code	E003/024	E003/025	E003/023
Holdover time, hours	2,80	2,90	4,00
Gross volume, L	105	171	281
Net/Gross Weight, kg	62,2/69,9	71,3/93,0	80,0/117,2
Icepack freezing capacity, kg/24 h	7,2	7,2	7,2
Icepack storage capacity, liters	64 x 0,6	160 x 0,6	256 x 0,6
Optional as 115V	Yes	Yes	Yes

# MAKING A DIFFERENCE IN GLOBAL HEALTH



# GLOBAL PARTNER INSIGHTS

## Driving impact through local expertise.

At Vestfrost Solutions, our global partners are at the heart of our mission to deliver reliable cold chain solutions in the world's most demanding environments.

Here's what some of our partners have to say about working with Vestfrost.



Our experience with Vestfrost has been defined by strong technical collaboration, practical training, and reliable support. Through joint projects and close communication, we have been able to strengthen local technical capabilities and deliver dependable cold chain solutions in demanding environments.

The combination of durable products, user-focused design, and responsive technical support helps create long-term confidence for both service partners and healthcare customers.

- Edson, Peru



Being a Vestfrost partner means being committed to delivering more than just service. It means responding quickly to customer needs, supporting healthcare systems in demanding environments, and helping ensure that life-saving vaccines are stored safely and reliably, even in the most remote communities.

We are proud to contribute with technical expertise, reliable support, and a shared commitment to high service standards and long-term customer trust.

- Guillermo, Costa Rica



As a long-standing Vestfrost in Africa, we are proud to support projects that strengthen healthcare systems in some of the world's most challenging environments. Through nearly 20 successful projects across 7 African countries, the partnership has been built on trust, technical collaboration, and a shared commitment to reliable.

From large-scale vaccine refrigerator rollouts – including the deployment of more than 1,100 units in Uganda under demanding conditions – to ongoing technical support and training initiatives, our experience with VESTFROST Solutions has consistently been defined by durable products, responsive support, and strong teamwork. Together, we continue working toward expanding access to reliable medical refrigeration across the African continent.

- Allister, **South Africa**

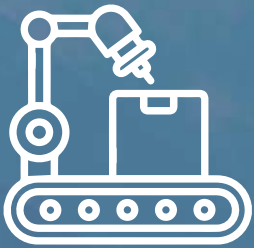


One of the strengths of Vestfrost products is the focus on practical usability, energy efficiency, and robust construction. Features related to temperature stability, product reliability, and user-friendly operation have been particularly beneficial for our customers.

The products have demonstrated stable operation under demanding environmental conditions, which is especially important in regions with temperature fluctuations and heavy operational use.

- Shahjalal, **Bangladesh**

# THE JOURNEY



## Production

Every appliance starts at our production facility in Esbjerg, Denmark, where over 135 employees work around the clock to meet global demand. Strict quality control at every stage ensures each unit leaves the factory ready to perform in the field – from the first weld to the final test.



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SOLUTIONS



## Shipment

Our products are packed and sealed according to UN regulations and shipped to all corners of the world. Our products are very sought after in extremely rural areas, where electricity and other infrastructure may be lacking. This means we utilize a multitude of delivery options; our products travel by boat, plane, and truck to get to the country where they'll be installed.



## Distribution

Vestfrost Solutions have over 120 partners worldwide to ensure that we reach out to the end users as fast as possible. The partners get continuous training and receive support from headquarters within 24 hours. It's important to offer the partners the same support we expect from them for the end users. Our network of partners allows us to operate on a global scale and maintain a local connection at the same time.



## Remote Monitoring

If you purchase a Vestfrost Solutions product with the EMS installed, you will have the opportunity to access remote monitoring of your appliances. We also have access to the available data and can therefore in close collaboration with our partners be readily available to make adjustments if necessary.

**From production to performance – we ensure reliability at every step**

# BUILT TO PERFORM. DESIGNED FOR THE FIELD.

## VLS SDD, VLS AC & MF

Every feature exists for a reason. Here is a closer look at what makes these products reliable where reliability is not always optional.

### WHY CHOOSE VLS SDD & VLS AC



#### Solar-ready - no grid required (SDD models)

2 × 180W (SDD) · 4 × 180W (Combi). Fast install, zero ongoing energy cost.



#### Performs below +5°C - beyond PQS

Built-in heating element maintains +2°C to +8°C where PQS doesn't require coverage.



#### Widest voltage tolerance in class (AC models)

110-278V input. Handles the most unreliable power sources safely.



#### Energy harvesting - USB-A 5V

Charge field equipment from the unit. (SDD models).



#### 5" colour touch display - EMS Controller

Full-colour graphical interface. Clear status and simplified operation in any light condition.



#### EMS PQS data logging

Continuous temperature logging built into the EMS controller - WHO/PQS documentation ready



#### Safety relay - short circuit protection

Protects electrical components in demanding environments.

### WHY CHOOSE MF



#### Green refrigerant - R600a

Lower GWP than R134a. Better efficiency. Already compliant with F-gas regulation.



#### Temperature logging from day one

Factory-fitted Fridge-tag 2E - WHO/PQS documentation ready on arrival.



#### Advanced Led Controller

Clear status display and simplified operation in any light condition.



#### Extended voltage stabilizer

110-278V · 82-159V. PQS E007/VS01-VP.5 compliant.



BOTH LINES  
Industrial  
grade lock



PROTECTION  
Junction  
box



CERTIFICATION  
PQS  
E007/VS01-  
VP.6



INPUT VOLTAGE  
110-278V /  
50-60Hz

# CERTIFICATES

As a supplier of cooling solutions to the healthcare industry, we commit ourselves to offer a thoroughly tested and approved solution.

On top of our own rigorous quality requirements and assurances, our appliances are either certified or in conformance to below standards:

## BIOMEDICAL



All our products are manufactured in accordance to CE standards



All of our biomedical appliances fulfill internal ATEX Category 3 zone 2



ISO 9001  
ISO 14001  
ISO 45001



DIN is the official German representative in the European Committee for Standardization

DIN 13277 Refrigerators for storage of Medicine

## COLD CHAIN



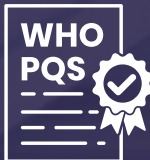
All our products are manufactured in accordance to CE standards



ISO 9001  
ISO 14001  
ISO 45001

**Vestfrost Solutions A/S is an ISO 9001-certified company, which means we:**

- Produce products that meet customers' quality requirements
- Produce products in accordance with customer specifications
- Provide a high degree of process control



# TECHNICAL DATA

Scan the QR code below to see the full technical specifications for our appliances in Biomedical and Cold Chain Equipment.



**BIOMEDICAL**



**COLD CHAIN**

## **THIS IS JUST THE BEGINNING**

Vestfrost was founded in Esbjerg, Denmark in 1963, with one clear mission: creating world-class refrigerators and freezers. Over six decades later, that mission has grown into a global effort spanning two production sites, a worldwide partner network, and more than 18 million units sold.

In 2010, we expanded with Vestfrost Zrt. in Csongrád, Hungary, which today manufactures our Lifestyle product lines. Our Healthcare appliances remain rooted in Esbjerg, where advanced technology and precise craftsmanship meet the strict demands of professional cold chain applications.

Behind every unit stands a skilled international workforce across Denmark and Hungary, united by the same standard: reliability that healthcare professionals can depend on.

We aim to be more than a manufacturer — we aim to be the solutions expert, building the right partnerships to solve real-world challenges.

## **SHAPING THE FUTURE**

Our future is built on innovation, sustainability, and global reach — from new technologies to an expanding product range.

We embrace challenges and turn them into achievements.

**TOGETHER,  
WE SHAPE THE FUTURE OF  
COOLING SOLUTIONS.**

**BIG ENOUGH TO COPE  
SMALL ENOUGH TO CARE**

**TOGETHER, WE WILL SAVE LIVES**

**Vestfrost Solutions**

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Please see our website  
for more information:  
[www.vestfrostsolutions.com](http://www.vestfrostsolutions.com)

 [www.linkedin.com/company/vestfrostsolutions](http://www.linkedin.com/company/vestfrostsolutions)

 [www.youtube.com/@vestfrostsolutionsDK](http://www.youtube.com/@vestfrostsolutionsDK)

**VESTFROST**  
SOLUTIONS