


Vaccine Cold Chain

Large rotomoulded Vaccine/Water-pack Freezer: TVW 4000 AC



TVW 4000 AC

Vaccine storage capacity: 240 L
Frozen water-pack storage capacity: 318 x 0.6 L (without baskets)

Vaccine/Water-pack Freezer

Set Point: -25°C
Hold over time: 50h 9min¹

1. measured at +43°C

PQS
CERTIFIED
E003/138



Vaccine/Water-pack Freezer

Vaccine/Water-pack Freezers are devices intended for the safe storage of **vaccines** at freezing temperatures or freezing of **water-packs** by means of an AC-powered PCM-lined compression cooling system



Optional - Remote Temperature Monitoring Device (RTMD)

With prepaid communication for the duration of the warranty period and offering real-time worldwide remote monitoring, data access over WEB and GPS position



3 years international warranty for all parts and labour



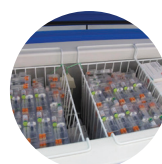
Highest insulation value

- Rotomoulded body construction: rust free and extremely robust
- 100mm PU foam insulation guarantees highest possible hold over time
- Double Silicon gaskets (replaceable) and lockable clasps ensure tight sealing



Integrated electronics

- Electronics controller with integrated LED digital temperature monitoring
- Temperature monitoring maintained in case of system failure
- Environmentally friendly refrigerant (R290)



Special features

- Delivered with 6 storage wire baskets
- Low energy consumption: 4.45 kWh/24h at +43°C (stable running)
- Phase Changing Material (PCM) bank design safeguards vaccines by keeping temperatures below -15°C for up to 34h during power failures



Technical Specifications: TVW 4000 AC

| | | |
|---|--------------------|---|
| <i>Function</i> | | Vaccine/Water-pack Freezer |
| <i>Climate Zone</i> | | Hot zone (+43°C) |
| <i>Vaccine Storage Capacity (L)</i> | | 240 |
| <i>Voltage</i> | | 220-240V 50/60Hz |
| <i>Energy Source</i> | | AC |
| <i>Refrigerant</i> | | R290 |
| <i>External / internal material</i> | | Polyethylene |
| <i>Dimensions (External)</i> | <i>Height (mm)</i> | 915 |
| | <i>Width (mm)</i> | 1600 |
| | <i>Depth (mm)</i> | 780 |
| <i>Dimensions (Shipping)</i> | <i>Height (mm)</i> | 1040 |
| | <i>Width (mm)</i> | 1660 |
| | <i>Depth (mm)</i> | 805 |
| | <i>Weight (kg)</i> | 188 |
| <i>Accessories</i> | | 6 vaccine storage baskets 2 spacers 1 brush |
| <i>WHO PQS Certification (Only applicable for Vaccine Freezer Mode)</i> | | E003/138 |
| <i>Medical Device Regulation</i> | | (EU) 2017/745: Class I |

Performance Data: TVW 4000 AC

| | |
|---|---|
| <i>Hold over time at +43°C</i> | 50h 9min |
| <i>Cool down</i> | 15h at +43°C |
| <i>Energy consumption stable running</i> | 4.45 kWh/24h at +43°C |
| <i>Energy consumption cool down</i> | 4.06 kWh/24h at +43°C |
| <i>Water-pack freezing</i> | 36.4kg/24h at +43°C (64 water-packs of 0.6L) |
| <i>Frozen water-pack storage capacity</i> | 318 x 0.6 L (without baskets) |

B Medical Systems S.à r.l

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B Medical Systems is a global manufacturer and distributor of medical-grade devices with over 40 years of industrial experience.

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