

Vaccine Cold Chain

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





REMOTE
TEMPERATURE
MONITORING
DEVICE
OPTIONAL

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



● 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



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



Technical Specifications: TVW 4000 AC

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

Performance Data: TVW 4000 AC

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

B Medical Systems S.à r.l

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

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