

Active compression PQS
Vaccine refrigerator / Waterpack freezer
TCW 2000 AC

External dimensions

Height (mm)	910
Width (mm)	1270
Depth(mm)	780

Internal dimensions

Freezer height (mm)	340
Freezer width (mm)	250
Freezer depth (mm)	505
Refrigerator height (mm)	585
Refrigerator width (mm)	470
Refrigerator depth (mm)	425

Volumes

Refrigerator gross volume (litres)	118
Freezer gross volume (litres)	42
Vaccine Storage Capacity (litres)	60

Ship dimensions

Weight net (kg)	107
Height (mm) Cardboard	1030
Width (mm) Cardboard	1300
Depth (mm) Cardboard	800
Volume (m3) Cardboard	1.07
Weight (kg) Cardboard	128

Height (mm) Wood	-
Width (mm) Wood	-
Depth (mm) Wood	-
Volume (m3) Wood	-
Weight (kg) Wood	-

Accessories

4 vaccine storage baskets
2 x lockable lid
2 spacers
24 waterpacks of 0.6L

Technical details

Energy Source(s)	AC
Voltage	220-240V / 50-60Hz
Power	Refr. 250W Freezer 180W
Set-Point	Refr. +5°C Freezer -20°C
Compressor type	2 x Compressor TL5G
Refrigerant	Refr. 100g R134a Freezer 100g R134a
Thermostat	2 x Electronic TCW2000 AC
Capillary tube	Refr. DU=0.66 x 3500mm Freezer DU=0.66 x 3500mm
Colour	blue according to RAL5015
CFC/HCFC free	yes
External / internal material	Polyethylene
Insulation material	100 mm Polyurethane foam / Foaming agent; Cyclopentane
Evaporator type	Rollbond
Installed Icelining	24 x 0.6L

Performance

Hold over time at 32°C	-
Hold over time at 43°C	39.4h
Energy consumption without IP freezing	-
Energy consumption with IP freezing	-
Energy consumption stable running	1.87kWh/24h at 43°C
Energy consumption cool down	4.34kWh/24h at 43°C
Energy consumption during freezing	1.95kWh/24h at 43°C
Ice Pack freezing	2.4kg in 5.7h
Cool down	9.6h
Stable running, no IP freezing, full load (intermittent energy)	1.35kWh/24h at 43°C
Stable running, no IP freezing, full load (continuous energy)	1.87kWh/24h at 43°C
Frozen IP storage capacity (litres)	20 x 0.6 l waterpacks
Climate Zone	Hot
Temperature Class	T
Min rated ambient temperature	+10°C

Certification

WHO test procedure	E003 / RF03-VP.2	PQS Code	E003/014
WHO specifications	E003 / RF03.2	PIS Code	-
WHO test report	Intertek A65998	Freeze protection	Grade A
		Low Voltage Directive	2014/35/EC
		EMC Directive	2014/30/EC