



AX27L Mobile Temperature Management

Proprietary ThermoCor[®] Technology

AcuTemp AX27L Mobile Temperature Management Units incorporate CSafe's ThermoCor[®] high-performance insulation technology. This highly efficient insulation delivers an extremely high R Value of 45 per inch thickness (0.00312 W/mK) – the highest in the industry. As a result, the AX27L performs like no other mobile medical refrigerator/freezer.

AcuTemp[®] AX27L Advantages

Ensure payload integrity

- Extended hold times
- Dual set-points for refrigerated or frozen payloads
- Multiple power sources
- Rugged design withstands abuse of transportation
- Locking switch prevents accidental temperature changes

Reduce storage, transportation and distribution costs

- Large payload volume
- Reusable
- Energy efficient

Store or Transport Vaccines, Pharmaceuticals and Biological Materials with Confidence

The AcuTemp AX27L (formerly VaxiCool[®]) answers the need for small, non-CFC refrigeration units that are energy efficient, precisely controlled and transportable. With dual set-points for refrigerated or frozen payloads, the AX27L is designed to safely store or transport critical vaccines, drugs, specimens and other bio-medical materials to the point-of-use.

Capable of running up to five days on battery power only, the AX27L has become an essential component in clinical trial, vaccine and drug distribution around the world. Its compact size, large payload capacity and ice-free operation have made the AX27L the ideal solution for hundreds of clinical research organizations, public health organizations, disaster response teams and emergency medical personnel.

The AcuTemp AX27L can also be used in conjunction with the AcuTemp[®] PX1L portable carrying case and AcuTemp[®] PXC coolant packs for a complete distribution system. Most PXC coolant packs can be conditioned to their proper temperature in the AX27L prior to use in the portable PX1L carrying case. This system is flexible enough to accommodate both bulk transport and point-of-use delivery.



AcuTemp[®] AX27L Mobile Refrigerator/Freezer



Physical Specifications

Payload volume: 27 liters (1 ft³)

Payload dimensions
(LxWxH):
37.5 cm x 27.3 cm x 26.7 cm
(14.75 in x 10.75 in x 10.5 in)

External dimensions
(LxWxH):
93.5 cm x 52.3 cm x 53.3 cm
(36.8 in x 20.6 in x 21.0 in)

Empty Weight: 52 kg (114.4 lb)

Operational Specifications

Power Sources:
Grid power (standard): 115 VAC or 230 VAC, 50-60 Hz
Battery (standard):
Two 21 amp. hr. gel cell batteries
Car lighter outlet (available):
12 VDC

Dual Temperature Set-Points:
Refrigerator mode: +4°C (39.2°F)
Freezer mode: -22°C (-7.6°F)

Total Solutions

• Extended Hold Times

ThermoCor[®] insulation efficiently maintains payload temperature so valuable payloads are protected longer. AcuTemp AX27L users have Peace of Mind[®] that payloads are delivered safely and at The Right Temperature[®], even during power outages.

• Tight Temperature Control

AcuTemp AX27L is equipped with both audible and visual alarm systems to alert users of a potential compromise in payload temperature and when the power supply is getting low. This assures tight temperature control of the payload for the duration of the storage or transport cycle.

• Energy Efficiency

AcuTemp AX27L uses less energy than other mobile refrigerators/freezers. Estimated power consumption is indicated below:

- 6 Watts at 25°C (77°F)
- 18 Watts at 43°C (110°F)



AcuTemp[®] PX1L
Portable Unit
and AcuTemp[®] PXC
Coolant Packs



CSafe Global's full range of active and passive solutions