



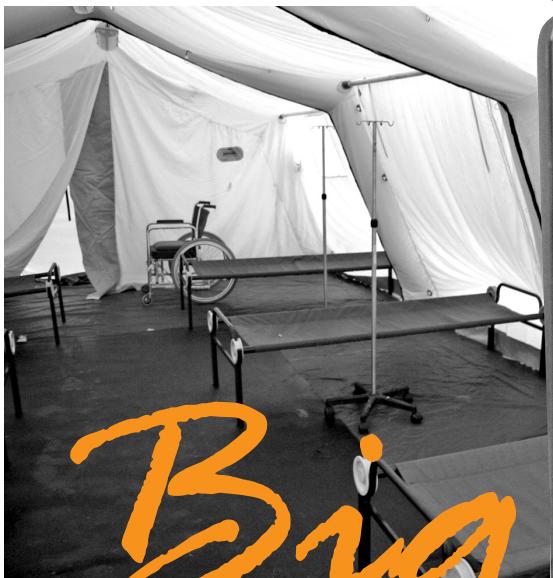
STERILIZATION
SYSTEMS

M-138

Portable Field Hospital Sterilization System

- Rugged
- Portable
- Simple to operate
- Fully supported by ETC

*Required equipment
for any emergency
or first response protocol.*



NSN 6530-00-926-2151

Designed for mobile surgical hospitals, remote locations and most other field-emergency conditions. First line of defense for hurricanes, floods, typhoons, earthquakes and other unexpected disasters.

MULTIPLE APPLICATIONS: The M-138 sterilizes and dries wrapped and unwrapped dressings, instruments, utensils, glassware, gloves, syringes, bed pans, discharge kits and liquids.

SPECIFICATIONS:
Meets stringent federal standards.

INTERNAL

Capacity: (cu ft) 118 (4.19)
Chamber Dimension mm
(in): 406 x 914 (16 dia x 36)

EXTERNAL

Length mm (in): 1168 (46)
Width mm (in): 635 (25)
Height mm (in): 1575 (62) Door Open
Weight kg (lbs): 142 (312)

CONSTRUCTION: Cylindrical chamber—406 mm I.D. x 914 mm L (16" x 36") , made of heavy-duty aluminum, double-shelled construction welded at the seam, and will withstand operating pressure of 2.3 bar (33 psig). The inner and outer shells are placed one within the other, evenly staged and reinforced to form a jacket over the entire exterior of the inner shell. All pipes and fittings are nonferrous metal. Door is aluminum plate with low heat conducting handles. Seven aluminum shelves, with the top six installed in any combination, for flexibility.

RUGGED HOUSING: For protection, the M-138 is built with a rugged case. When completely closed, the case protects the sterilizer and the heat source, and also serves as a shipping container. When opened, it becomes a suitable stand.

PORTABLE: Designed for easy shipping and handling.
Weight does not exceed 142 kg (312 lbs.)

SIMPLE OPERATION: Each phase of the sterilizing cycle—pressurization, exhaust and vacuum—is started manually by a programming wheel that operates a single multi-port valve. The programming wheel has a cycle-phase indicator.

INSTRUMENTATION: Temperature and pressure gauges are located in easy-to read positions. The timer is located beneath the door frame.

ACCURACY: Pressure gauges within 0.1 bar (1.5 psig), timer within 5 seconds, thermometer within 0.5 °C between 98.9°C to 132.2°C (210°F to 270°F).

SIMPLIFIED DESIGN: Provides greater reliability, fewer repairs and easy access to components.

NO INVENTORY BUILDUP: Sterilizer uses quick-dry and gas-exhaust cycles, preventing inventory build-up at peak demand periods.

STEAM SUPPLY: For field operation, power steam can be supplied from multiple sources. Electricity or external steam can be used.

SAFETY: The low water safety switch will cut the flow of electric power to the heaters should water in the steam enclosure fall to an unsafe level. Door radial-holding arms exert even pressure on the gasket, preventing steam leaks. The door seal is broken well before the radial arms have been disengaged from the head ring, allowing steam to escape from the chamber without endangering the operator.



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