



SMALL FIELD REFRIGERATION SYSTEM (SFRS) | DoD CFD

PURPOSE:

The Small Field Refrigeration System brings together the transportation benefits of the TriContainer (TriCon) and the refrigeration capabilities of traditional refrigeration units (RUs) that normally require their own transportation to field feeding sites. The SFRS is known commercially as the TriCold®.

CHARACTERISTICS:

The SFRS is designed with a three-into-one concept. Like a regular TriCon, it offers the advantages of functionally or organizationally segregated cargo with the ease of handling of a standard 20 ft container. Additionally, however, the SFRS has the added capability of refrigerated or frozen storage of perishable and semi-perishable food items once the system has reach its destination site. One SFRS unit is structurally compatible to be mixed and matched with other traditional TriCons or other SFRS units to form larger units that are equivalent to ISO 20 foot containers. The SFRS is thermally efficient, with steel-foam-steel construction. Four-way lift pockets are integrated into the design.

CAPABILITIES & BENEFITS:

- All SFRS units have a single side door full-width access, offering a wide range of options for food service equipment storage, foodstuffs, and medical supplies.
- Can store perishable and semi-perishable foods, as well as whole blood for medical needs.
- Has four-way fork-lift pockets.
- Has thermally efficient, steel-foam-steel panel construction (stainless steel interior).
- Can be simply and quickly secured together using SeaLock connectors.

COMMENTS:

The SFRS is one of the main components of the E-TRHS. The use of the SFRS for shipping the E-TRHS allows it to be combined with other mission essential cargo (when combined with other SFRS units or TriCons) while providing the refrigeration and freezer capability necessary for storing perishable food items at forward field feeding sites.

POINT OF CONTACT:

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AT A GLANCE:

■ DIMENSIONS:

- Container: 8 ft L x 6-5.5 ft W x 8 ft H (2.4 x 1.9 x 2.4 m)
- Doors: 5 ft 9 inches W x 6 ft 10 inches H (1.8 x 2.1 m)

■ VOLUME/INTERNAL CAPACITY:

270 cu ft (7.5 cu m)

■ WEIGHT:

- Maximum gross: 24,460 lbs (12,000 kg)
- Tare (including RU): 4,410 lbs (2,000 kg)
- Payload: 22,050 lbs (10,000 kg)