



SAFTAINER® 2914/3948



Package Type

The SAFTAINER® 2914 and SAFTAINER® 3948 are designed as an Industrial Package (IP-2) in accordance with the IAEA SSR-6 2018 Regulations for the Safe Transport of Radioactive Material. The SAFTAINER® is specifically designed as a reusable transport container but could also be used for disposal.

Certification

The SAFTAINER® 2914 and SAFTAINER® 3948 are designed to ISO standards and CSC requirements. The designs are certified as Industrial Package Type 2 (IP-2) Transport Packagings.

Description

The SAFTAINER® 2914 and SAFTAINER® 3948 are designed as large volume, high payload capacity reusable containers for the transport of bulk quantities of radioactive materials. The SAFTAINER® 2914A is a 10 ft long version whereas the SAFTAINER® 3948A is 30 ft long version. Both designs are based upon our standard 20 ft long SAFTAINER® 2896 design.

The SAFTAINER® 2914 and SAFTAINER® 3948 are constructed from carbon steel with a large single door at one end. The door is fitted with a double seal system and is closed by a hydraulic closure system and secured with a mechanical locking mechanism. The hydraulic closing system is operated by an air driven pump and is also provided with a manual hand operated backup system. The container is finished inside and out with a durable paint finish for corrosion protection.

The floor incorporates anchorage points to suit a range of standard handling/tie-down equipment to suit customer needs.

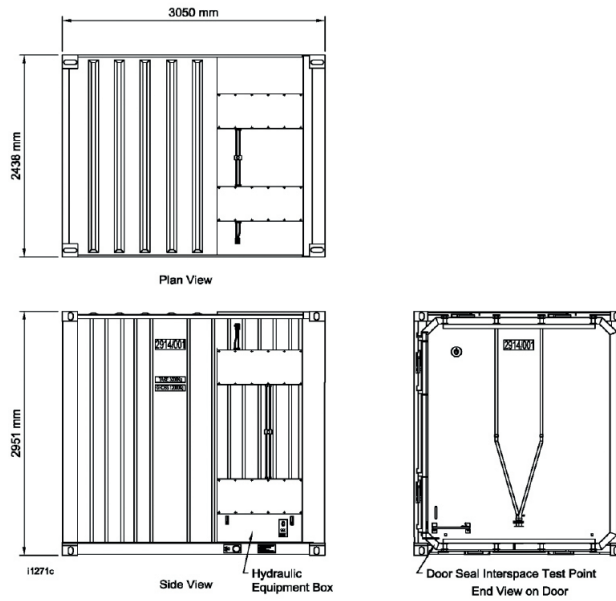
Containment

The SAFTAINER® 2914 and SAFTAINER® 3948 have a fully seal welded containment boundary. The door has a double seal (incorporating a seal interspace) and a test point. The door seal can be leak tested in approximately 15 minutes. The body seal welds are leakage tested at manufacture and re-verified at periodic maintenance.

The containment system provides containment of particulate contents. A High Efficiency Particulate Air (HEPA) filter is fitted to the door. The HEPA filter prevents pressure difference developing across the containment boundary, thus ensuring there is no particulate leakage from the container during transport.



Section through Package Design No 2914/3948



Approved Contents

Non-fissile solid radioactive materials that qualify as either Low Specific Activity (LSA-I, II or III) or Surface Contaminated Objects (SCO-I, II or III), packaged in such a manner that ensures that the external radiation levels of the package during routine and normal conditions of transport, are within regulatory limits.

Modes of Transport

By road, rail or sea.

Physical Data

Component	Container Design No 2914	Container Design No 3948
Dimensions		
External Dimensions (L x W x H) (mm)	3050 (10') x 2438 (8') x 2591 (8'6")	9125 (29'11") x 2438 (8') x 2591 (8'6")
Internal Length (mm)	2790 (9')	8908 (29'2")
Internal Door (W x H) (mm)	2080 (6'9") x 2260 (7'5")	
External Volume (m ³)	19 (680ft ³)	57 (203ft ³)
Weights		
Tare Weight (tonne)	3.0	6.1
Maximum Permitted Contents Weight (tonne)	8.5	28.9
Maximum Gross Weight of Package (including Contents) (tonne)	12.0	35.0