

Package Design No 3977A

Package Name - Safkeg-HS



Package Type

Reusable Type B package for the shipment of solid and liquid radioactive materials.

Certification

The Safkeg-HS package is being certified by the USNRC as a B(U) Package - the package meets all the requirements of 10CFR71 and the IAEA Regulations for the Safe Transport of Radioactive Material, TS-R-1.

Description

The Safkeg-HS package is designed to be robust and simple to use. The package consists of a stainless steel outer keg which carries a stainless steel and DU shielding pot within cork packing.

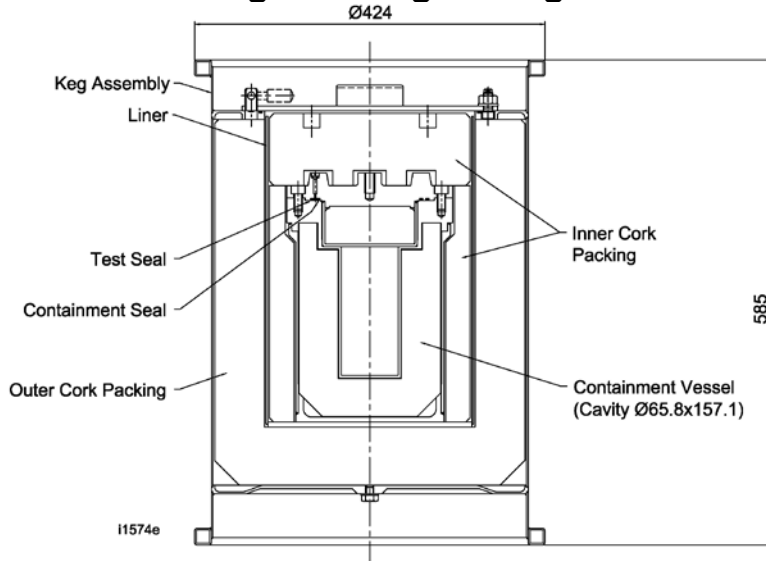
The outer keg is fabricated in stainless steel and having a flange type lid fastened by studs and nuts.

The shielding pot is a DU filled vessel having a fabricated stainless steel shell and cavity walls and having a flange type lid fitted with double O-ring seals and fastened by screws.

Containment

The containment system is the shielding pot with the containment being provided by the welded stainless cavity walls and the flange closure fitted with double O-ring seals. The pot lid is provided with a test point for leakage testing the containment system in accordance with ANSI N14.5.

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Approved Contents

The contents are solid or liquid radioactive materials carried in suitable primary containers to prevent contamination of the shielding pot.

The shielding pot may be fitted with additional shielding where required.

The radioactive contents are limited by the shielding and contents maximum heat output of 15W.

Modes of Transport

Road, rail, sea, air and inland waterway.

Physical Data

Safkeg-HS Package	Outer Keg		Inner Cork Packing		Inner Shielding Pot	
External Diameter	16.69"	424 mm			7.87"	200 mm
External Height	23.03"	585 mm			11.91"	302.5 mm
Internal Diameter	9.68"	246 mm			2.59"	65.8 mm
Internal Height	14.76"	375 mm			6.18"	157.1 mm
Tare Weight	88 lb	39.9 kg	5.5 lb	2.4 kg	236.5 lb	107.2 kg

Weight of empty package - 330 lb (149.5 kg).

Maximum weight of Safkeg-HS package (including contents) - 350 lb (158.8 kg).

Further Information

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