



Package Type

The 3940A SAFKEG is designed as a B(U) Package to the 1985 Editions of the IAEA Regulations for the Safe Transport of Radioactive Materials and with 10 CFR 71.

Certification

Primary certification is in process with the US DOE with issue scheduled for 2002. The package is also to be certified by the US NRC and validated by the US DOT for use for international shipments.

Description

The package consists of an Outer Container Keg Design No 3940 which carries a resealable Inner Container Design No 3941 within insulating and shock absorbing cork packing. The Inner Container Design No 3941 carries an Innermost Container Design No 3942.

The Outer Container Keg Design No 3940 has a fabricated stainless steel body with a large stainless steel lined cavity and a bolted stainless steel lid. The space provided between the fabricated body and the lined cavity is filled with a phenolic foam insulant.

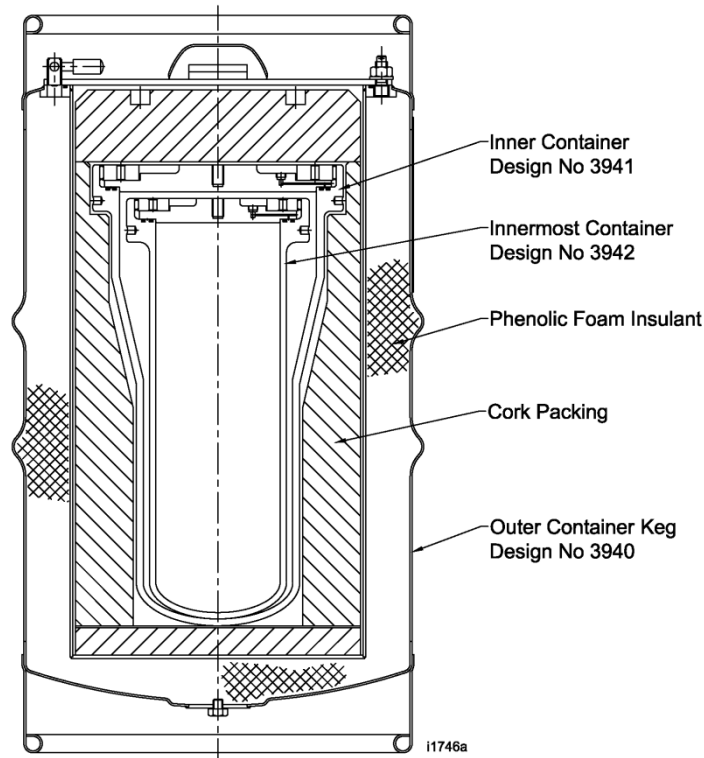
The Inner Container Design No 3941 is a resealable stainless steel containment vessel. The Innermost Container Design No 3942 is a second resealable stainless steel containment vessel.

Containment

Double containment is provided by the combination of the resealable Inner Container, Design No 3941 and the resealable Innermost Container Design No 3942. This double containment meets the requirements of 10 CFR 71.63 (1989) for solid plutonium in powder form.

The lids of both containers have double 'O' ring seals with an interspace between the 'O' ring seals which facilitates leak testing to ensure that the seals achieve the prescribed levels of leaktightness.

Section through SAFKEG



Approved Contents

Plutonium and/or Uranium in solid or powder form
 Maximum total weight not to exceed
 Maximum heat emission not to exceed
 See Web site for full details of contents.

44 lb (20.0 kg)
 30 watts

Physical Data

	Outer Container 3940		Inner Container 3941		Innermost Container 3942	
External Diameter	16.73"	425 mm	10.16"	258 mm	7.08"	180 mm
External Height	29.92"	760 mm	18.70"	475 mm	17.05"	433 mm
Internal Diameter	11.81"	300 mm	6.06"	154 mm	5.02"	128 mm
Internal Height	23.15"	588 mm			14.41"	366 mm
Weight	119 lb	54 kg	59.5 lb	27 kg	33 lb	15 kg
Total mass of packaging			104 kg (228 lb)			
Maximum mass of contents			20 kg (44 lb)			
Total mass of package			124 kg (272 lb)			

Further Information

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