



Package Type

Designed as a reusable Type B(U) Package for solid radioactive materials, primarily medical radioisotopes.

Certification

Certified as a Type B(U) package by the UK Competent Authority to the IAEA SSR-6 2018 Regulations for the Safe Transport of Radioactive Materials and validated for use in USA.

Description

The SAFKEG® 2799 consists of an Outer Keg (Design No 2799) which carries a resealable stainless steel Containment Vessel (CV) Design No 2812, within insulating and shock absorbing cork packing set.

The Outer Keg 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 resin foam, Thermally Insulating Shock Absorbing Foam (TISAF).

The 2812 CV is manufactured from stainless steel incorporating a closure fitted with double O-ring seals.

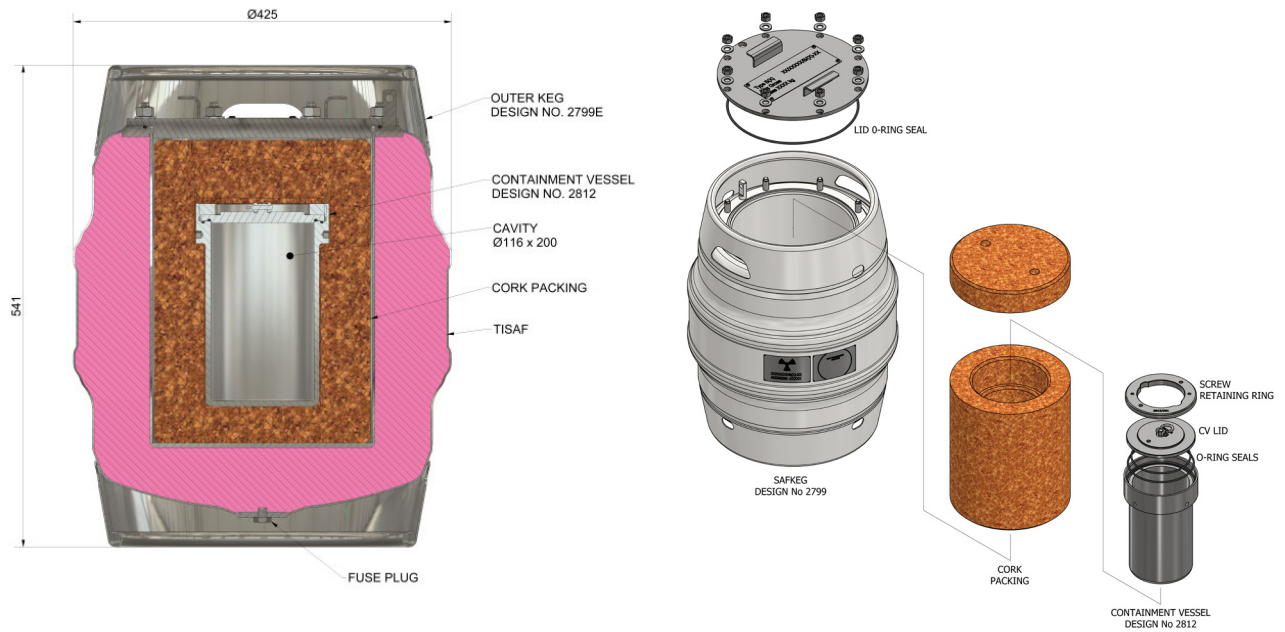
Containment / Shielding

The 2812 CV provides the containment system of the package. This incorporates a verifiable double O-ring seal configuration which is closed with a screw retaining ring system to clamp the CV lid and compress elastomeric seals. The interspace between the inner and outer seal facilitates leakage testing to ensure that the seals achieve the prescribed levels of leak tightness.

The package does not include any specific shielding beyond its steel construction. However additional shielding, in the form of lead/tungsten pots, can be included within the 2812 CV if required (within the allowable contents mass limit).



Section through Package Design No 2799E



Approved Contents

- Currently approved for solid Actinium-225 (Ac-225) and Actinium-227 (Ac-227), with daughter products. Other contents could be approved if required.
- Maximum activity will depend on the nature of the contents. Maximum contents heat emission is not to exceed 10 watts.

Modes of Transport

By road, rail, sea and air.

Physical Data

Component	Outer Keg Design No 2799	Containment Vessel Design No 2812
Dimensions		
External Diameter (mm)	425	150
External Height (mm)	541	228
Internal Diameter (mm)	247	116
Internal Height (mm)	342	200
Weights		
Tare Weight (kg)	46	7
Maximum Permitted Contents Weight (kg)		11.5
Maximum Gross Weight of Package (including Contents) (kg)		67.5