



Package Type

Designed as a Type B(U)F Package to the IAEA SSR-6 2018 Regulations for the Safe Transport of Radioactive Material.

Certification

Currently undergoing approval in the UK to the IAEA SSR-6 transport regulations. Alternative approvals in UK and overseas for specific contents are possible.

Description

The SAFKEG® 4087 is a large cavity (Ø400 x 700 mm) design within our SAFKEG® range. It has been designed for the transport of solid radioactive materials, but it could also be certified to carry liquids.

The SAFKEG® 4087 consists of an Outer Keg (Design No 4087) which carries a Containment Vessel (CV) Design No 4086, within a thermally insulating and shock absorbing cork packing set.

The Outer Keg consists of a fabricated stainless steel outer body with a large stainless-steel lined cavity and a bolted stainless-steel lid enclosure. 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 4086 CV is manufactured from stainless steel incorporating a closure fitted with double O-ring seals.

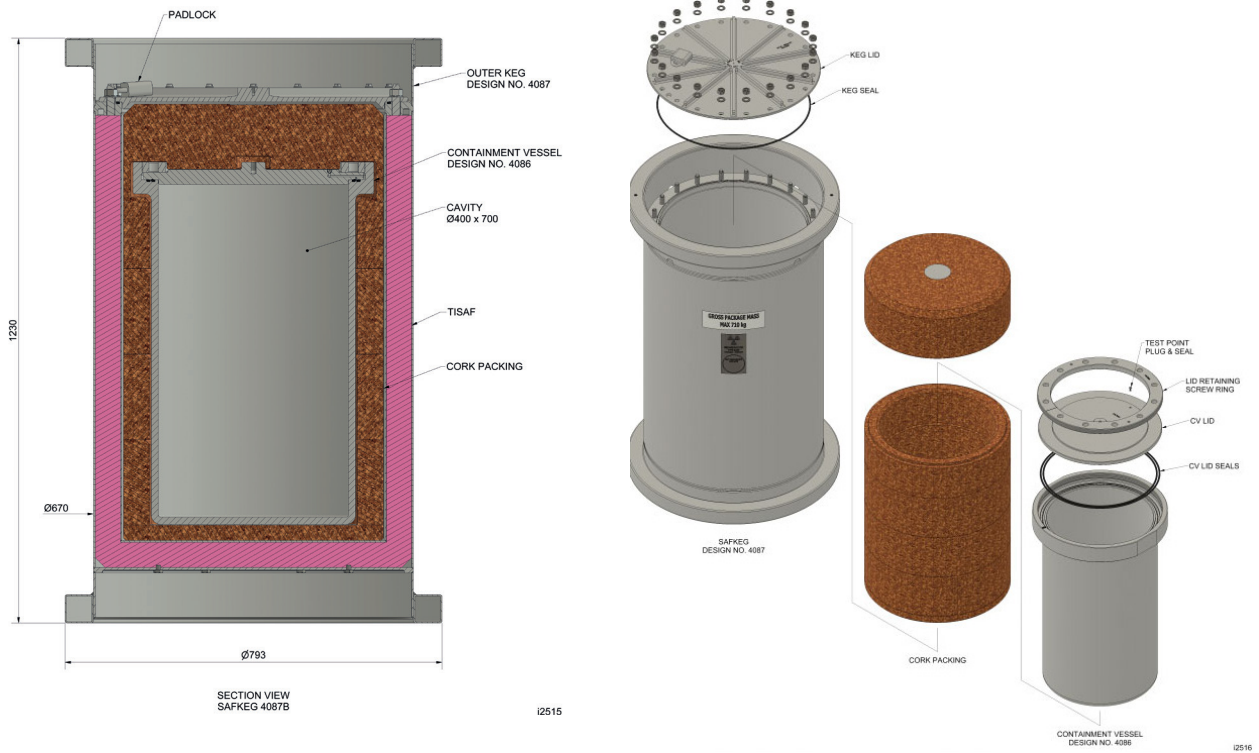
Containment / Shielding

The 4086 CV provides the containment system of the package. This incorporates a verifiable double O-ring seal configuration which is closed using a large 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 liners, can be designed to be located within the 4086 CV if required (within the allowable contents mass limit).



Section through Package Design No 4087



Approved Contents

The package is designed to carry a range of contents. Specific radionuclides will be assessed and approved on a case-by-case basis.

Modes of Transport

By road, rail, sea and air.

Physical Data

Component	Outer Keg Design No 4087	Containment Vessel Design No 4086
Dimensions		
External Diameter (mm)	790	506
External Height (mm)	1230	762
Internal Diameter (mm)	550	400
Internal Height (mm)	920	700
Weights		
Tare Weight (kg)	310	200
Maximum Permitted Contents Weight (kg)		200
Maximum Gross Weight of Package (including Contents) (kg)		710