



Package Type

Designed as a reusable Type A Package to the IAEA SSR-6 2018 Regulations for the Safe Transport of Radioactive Material.

Certification

Certified as a general purpose Type A Package for the carriage of specified radionuclides in solid or liquid form (including powders, liquids and sludges).

Other forms of radioactive material and/or primary packaging can be carried subject to safety review by Croft.

Description

The SAFPAK® 2767E is a reusable packaging design manufactured from stainless steel to give a long service life. The SAFPAK® 2767E consists of an Outer Container (Design No 2767) which carries a resealable Containment Vessel (CV), Design No 2776, within shock absorbing cork packing.

The SAFPAK® 2767 Outer Container is a pressed stainless steel body and lid with a bayonet action closure. The 2776 CV is a resealable stainless steel containment vessel with a robust screw retaining ring closure. The radioactive contents are held within in primary containers within the cavity.

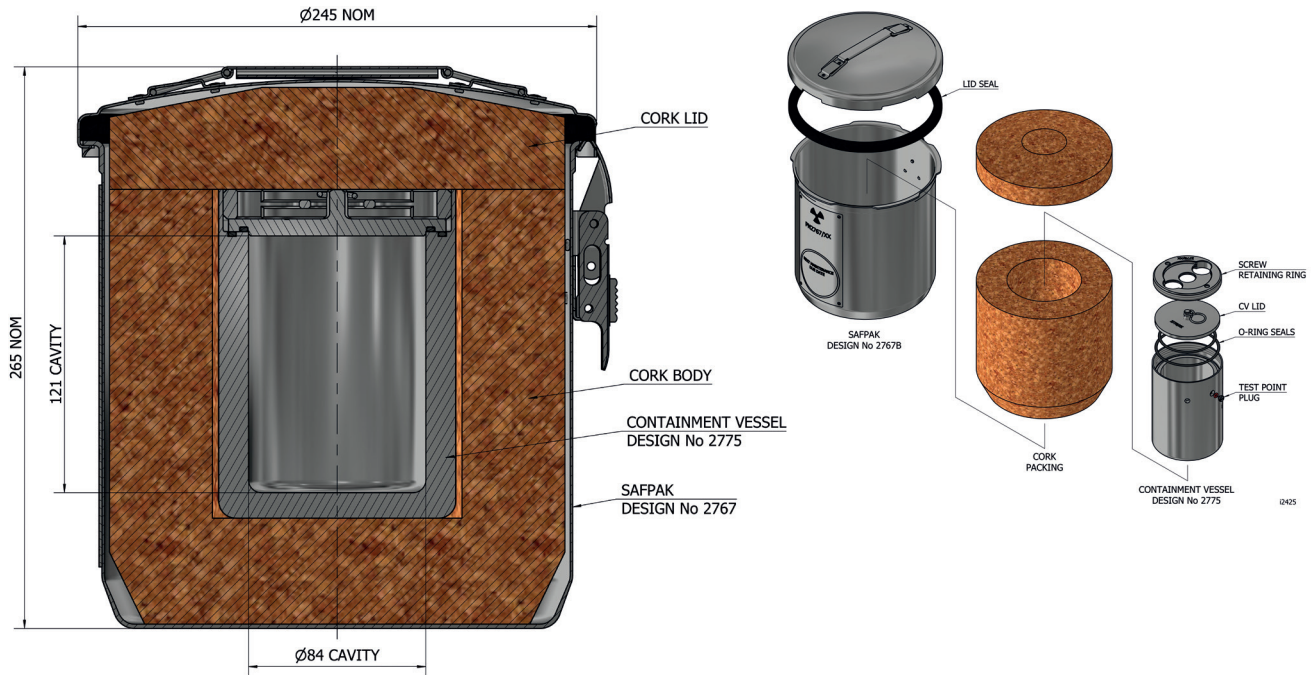
Containment / Shielding

The resealable stainless steel CV provides shielding (14 mm wall thickness) and the containment system for the package. The closure of the 2776 CV is a double O-ring seal design which facilitates leak testing to ensure that the seals achieve the prescribed levels of leak tightness.

To reduce the possibility of contaminating the resealable CV, primary containers such as screw top cans or capsules are normally used to carry the contents, securely packed to prevent internal displacements under normal conditions of transport.



Section through Package Design No 2767E



Approved Contents

- Radioactive material in liquid or solid form. A variety of sealed primary containers can be used with liquid contents (e.g. vials). Absorbent material must be used with primary containers that are not sealed (e.g. syringes).
- The contents are also limited to A1 for material in special form and A2 for other material, with the additional requirement that the external radiation levels of the package, during routine and normal conditions of transport, as loaded and presented for transport, are within regulatory limits.
- The following activity limits provide the bounding limits in terms of shielding capacity:
 - Cobalt-60 (Co-60): 25 MBq
 - Caesium-137 (Cs-137): 1000 MBq
 - Strontium-90 (S-90)/Yttrium-90 (Y-90): 1.58 GBq

Modes of Transport

By road, rail, sea and air.

Physical Data

Component	Outer Container Design No 2767	Containment Vessel Design No 2776
Dimensions		
External Diameter (mm)	245	112
External Height (mm)	270	152
Internal Diameter (mm)	220	84
Internal Height (mm)	257	121
Weights		
Tare Weight (kg)	4.6	5.4
Maximum Permitted Weight of Contents (kg)		4.5
Maximum Gross Weight of Package (including Contents) (kg)		15.8