Design No: **CU112B**

Package Category: **SAFDRUM**

Package Type

Designed as a re-usable Type A package for the shipment of solid or liquid samples.

Certification

The package meets the requirements for DOT Spec 7A Type A Packages as defined in 49 CFR (HM 181) and IAEA Regulations for the Safe Transport of Radioactive Material.

Description

The SAFDRUM is designed to be robust and simple to use. The package consists of a stainless steel open head Outer Drum (Design No CU112) which carries a stainless steel and lead Shielding Pot (Design No CU105) within polyethylene foam packing.

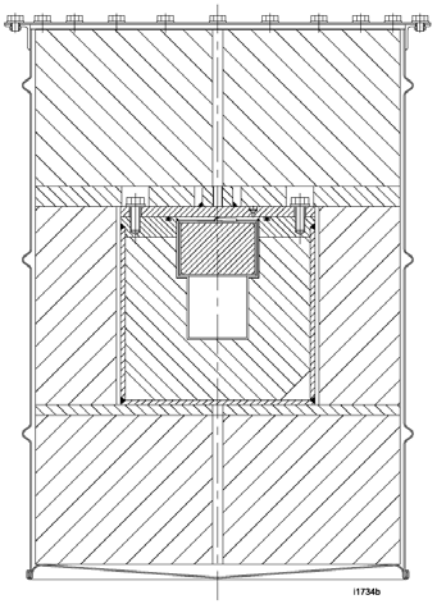
The Outer Drum is a stainless steel MIL Spec 30 gal drum fitted with a bolted flange type lid.

The Shielding Pot is a lead filled vessel having a fabricated stainless steel shell and cavity walls and a bolted flange closure fitted with an O–ring seal.

Containment

The containment system is the Shielding Pot, with the containment being provided by the stainless cavity walls and the bolted flange closure fitted with an O–ring seal. The lid is provided with a test point for periodic leakage testing.

Section through Package Design No CU112B



Approved Contents

- Solid or liquid contents may be carried. Suitable primary containers are required for liquid contents
- Maximum contents weight of Shielding Pot (including the weight of any packing or additional shielding) is 5 lb (2.3 kg)
- Radioactive contents are limited to A_1 for material in special form and A_2 for open form 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

Physical Data

	Outer Drum Design No CU112		Packing		Shielding Pot Design No CU105	
External Diameter **External Height**	20.60" 27.50"	523 mm 699 mm			9.50" 9.75"	241 mm 248 mm
Internal Diameter **Internal Height**	18.10" 26.25"	460 mm 666 mm			2.83" 3.00"	71 mm 76 mm
Tare Weight	37 lb	17 kg	22 lb	10 kg	234 lb	106 kg
Weight of empty package					293 lb	133 kg
Maximum Weight of Package Design No CU112B including Contents					298 lb	136 kg

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