

TYPE A Package Manufacturer's Certification

1. Product Model/Description: Model 3746B		
2. Package Specifications/Limitations: The Model 3746B is a steel drum with cork insulation housing a P3018 shield container. Fully assembled the container measures 405 mm tall by 325 mm in diameter.		
3. Special Form Source Assemblies Authorized for Transport (Yb-169 may also ship as Normal Form)¹		
Type A Approved Activity (Max.)	Isotope	Source Assembly Model Number
1 TBq (27 Ci) ²	Ir-192	A424-9, A426-1, A424-23, 87703, 89911, 89912; T-5, T-5F, G-40F, G-40T, G-60 (SPEC); 7, 32 (INC)
3 TBq (81 Ci)	Se-75	A424-25, A426-2, A424-25W; T-5, G-60 (SPEC)
1.11 TBq (30 Ci)	Yb-169	A424-26, 91810, 91808, 91807
<p>¹When a combination of radionuclides is transported within the container, the activity will be limited such that the sum of the proportionate amounts of each radionuclide with respect to the maximum content quantities does not exceed one.</p> <p>²Maximum Activity for Ir-192 is defined as output Curies as required in ANSI N432 and 10 CFR 34.20 and in line with TS-R-1 and Rulemaking by the USNRC and the USDOT published in the Federal Register on 26 January 2004.</p>		
4. References: AEAT/QSA/001 Issue 2; USA/0670/B(U)-96; GB/3746B/B(U)-96.		
5. Drawing/Assembly Description: Assembly as shown on pages 2 & 3 of this certificate		
6. Maintenance and Operational Controls: HPI-129 and HI018		
7. Max Weight of Package: 119 lb. (54 kg)		
8. Package Closures: The 3746B and P3018 must be assembled as shown on pages 2 & 3 of this certificate and a security seal attaches to the outside of the drum clamp band to serve as tamper indicating seal.		

Under §173.415, QSA Global Inc. certifies that the package and contents described above comply with relevant requirements for a Type A package under the International Atomic Energy Agency Regulations for the Safe Transport of Radioactive Material, 2009 Edition [No. TS-R-1] & 2018 Edition [No. SSR-6], and USDOT Specification 7A under USDOT 49 CFR 178.350.

All documentation of tests, engineering evaluation or comparative data demonstrating compliance of this package design to Type A Specification 7A shall be maintained by QSA Global, Inc. and will be available to regulators upon request.

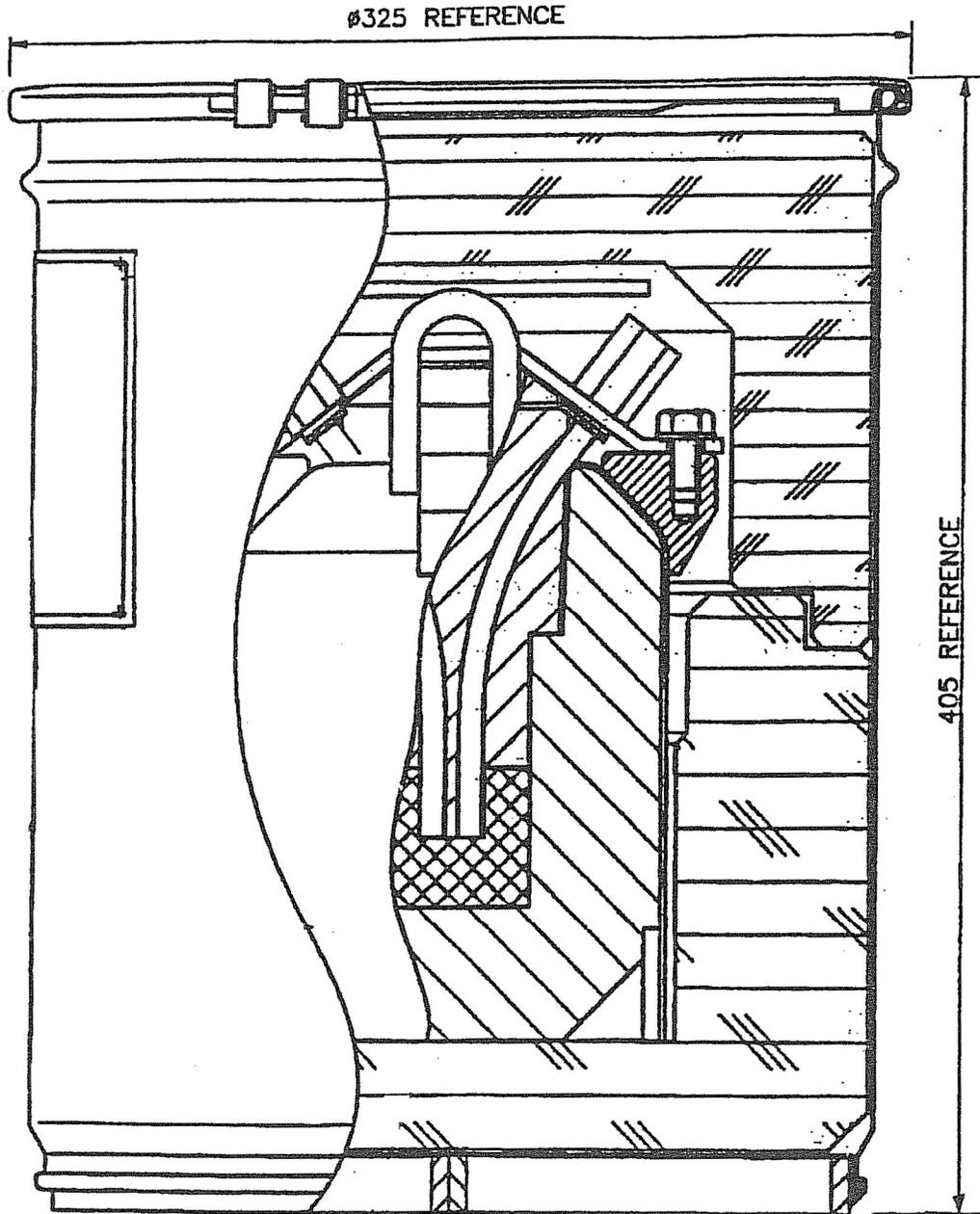
The shipper is responsible for ensuring the packaging conforms fully to the requirements identified on this certification including the assembly, maintenance and operational control requirements specified in Sections 5 & 6. Changes to the package assembly, shipment of material not specified on this certificate or any other non-compliance with the requirements of this certificate are not supported under this certification and will invalidate this Type A approval.

Regulatory Signature

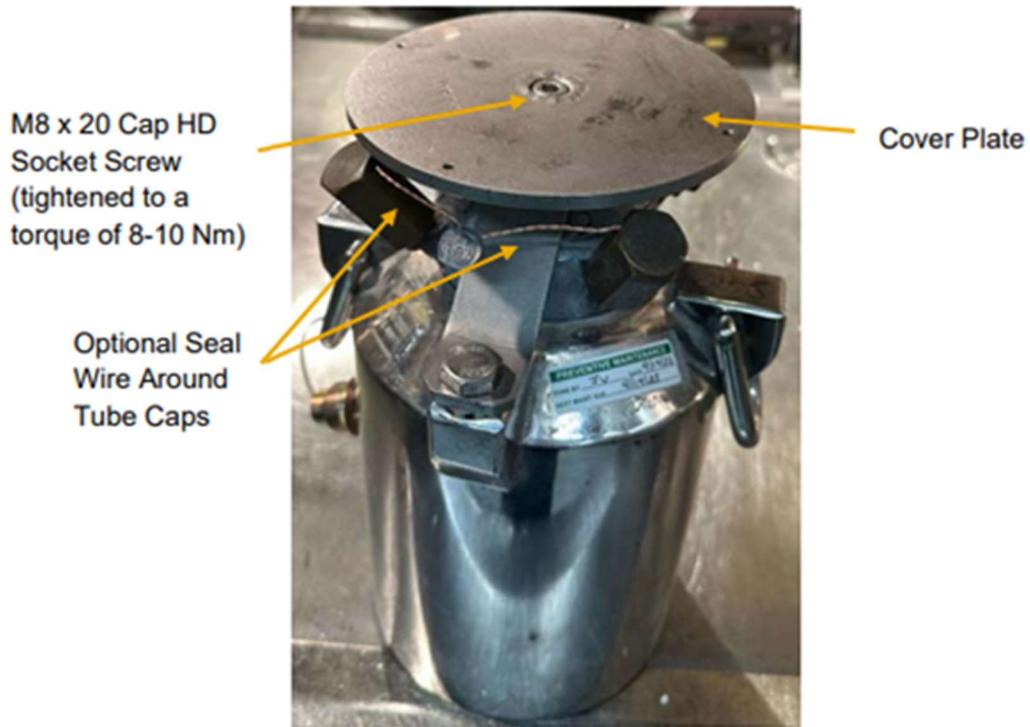
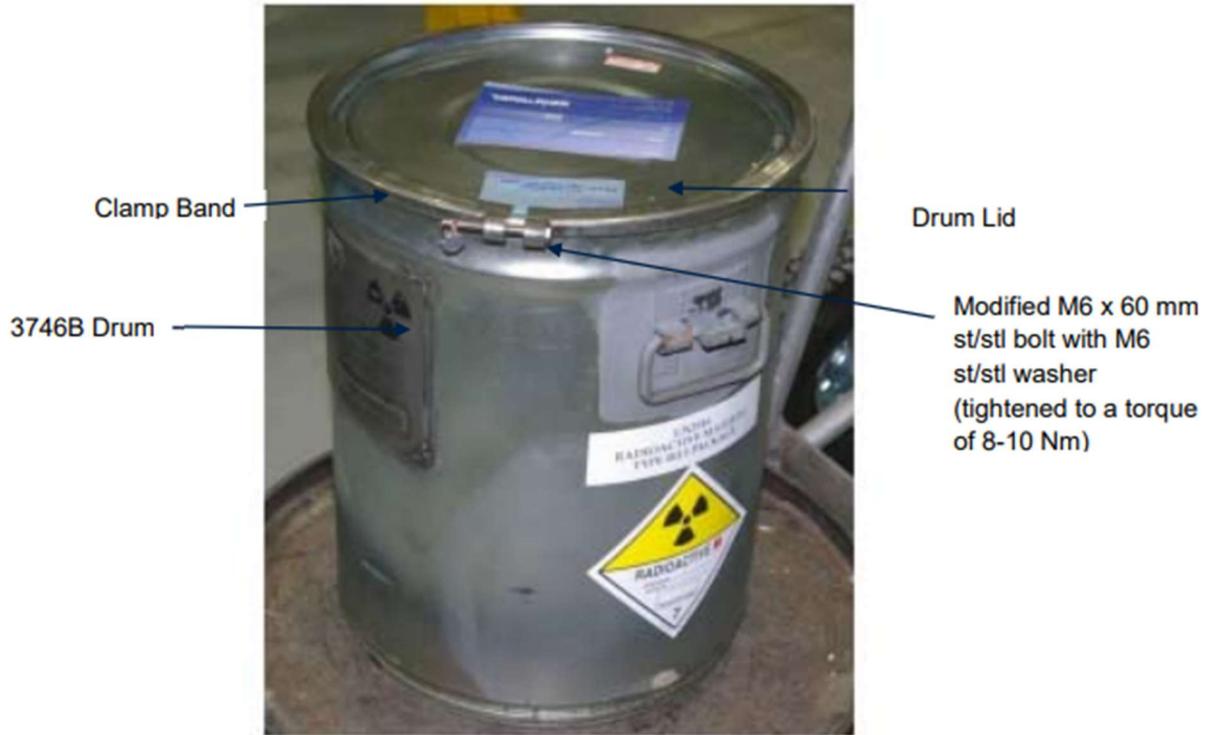
Date

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3746B Drum Arrangement

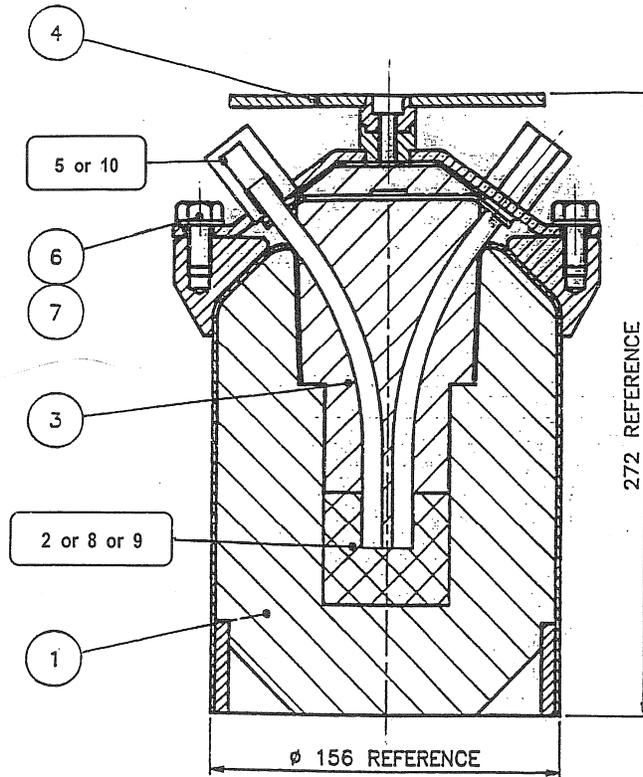


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Pot with cover plate installed

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ITEM	DESCRIPTION	MATERIAL	No OFF
1	POT BODY	CARBON STEEL & LEAD	1
2	CORE SHIELD	TUNGSTEN ALLOY	1
3	SHIELDING INSERT	LEAD	1
4	RETAINING STRAP	CARBON STEEL	1
5	TUBE CAP	BRASS	4
6	M10 x 20 HEX HD SCREW	STAIN ST	2
7	M10 WASHER	STAIN ST	2
8	CORE SHIELD	LEAD	1
9	CORE SHIELD	DEPLETED URANIUM	1
10	TUBE CAP	BRASS	4

NOTES

- 1 ITEM 3 SHOWN OUT OF TRUE ORIENTATION WITH ITEM 6

All replacement components for the package MUST be obtained from QSA Global Inc.