

Package Design N° 3919A
Package Name: UF₆ Sample Package



Type

The Package Design No 3919A is designed as a Type H package for the transport of UF₆ in sample bottles, in accordance with the IAEA Regulations for the Safe Transport of Radioactive Material, TS-R-1.

Certification

Being licensed by Croft to the Type H requirements of the IAEA ST-1 1996, and ISO 7195 and ANSI N14.1 standards, and the ASME B&PV code.

The package is being licensed to carry all bottles currently used for samples: acceptance for particular bottles is subject to CA approval.

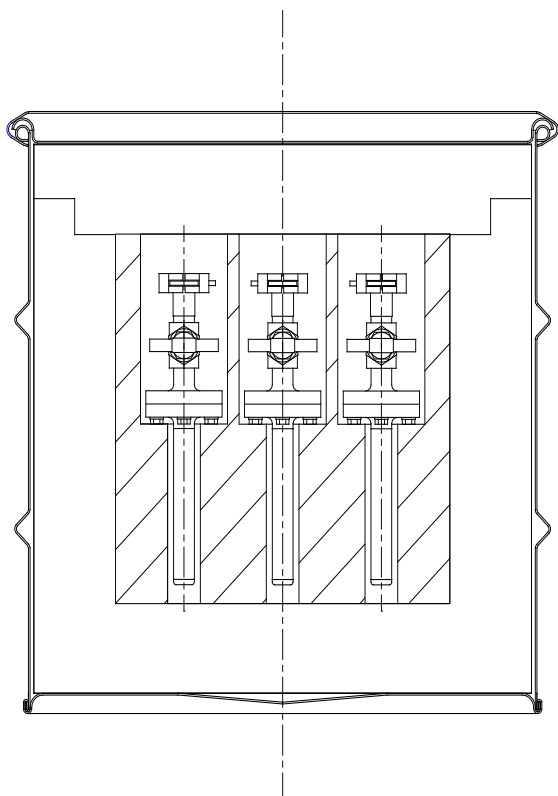
Description

The Package Design No 3919A consists of a stainless steel Drum Design No 3919, which carries a range of UF₆ sample bottles (see table over) within cork packing. The cork provides mechanical protection under normal conditions of transport and thermal protection under the IAEA Type B thermal test.

Containment

The sample containers must meet the ISO 7195 and ANSI N14.1 standards, and the ASME B&PV code.

Section Through Package Design N° 3919A



Approved Contents

Package limit is 4.5kg UF₆, with limit for each sample bottle, as specified below. The initial approval is for fissile except quantities of samples.

Physical Data

	Sample bottles							
	Outer Container 3919		Punch Tube	P10- Punch Tube	2926	1S Bottle	2S Bottle	
Nominal								
External Dia	21"	551mm	0.247"	0.625"	0.750"	1.5"	3.6"	
Dimensions Height	28"	713mm	13"	10.125"	10.25"	11"	11.625"	
Nominal Internal Dimensions								
Cavity Volume	-	-	-	1.77in ³	29cm ³	9.16in ³	43.89in ³	
Tare Weight	60lb		13g	630g	2.59lb	1.75lb	4.2lb	
Cork Packing Weight	44lb		-	-	-	-	-	
Content Weight	-		10g	65g	0.2lb	90g	1.0lb	4.9lb
Max number of bottle per package	-		156	89				
Total Package Weight	104lb		50.6kg	107.6kg				

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