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**Nuclear Industry Standard
of the People's Republic of China**

EJ/T 424-94

Replacing EJ/T 424-89

3m³ UF₆ containers

3m³ 六氟化铀容器

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3m³ UF₆ containers

1 Subject content and application scope

This Standard specifies the structural type, dimensions, technical parameters and materials of 3m³ UF₆ containers.

This Standard applies to the storage and transport containers of which the medium is raw-material and depleted-material's liquid and solid uranium hexafluoride.

2 Normative references

GB 3531 Technical conditions of the low alloy steel plates for low temperature pressure vessels

GB 4429 Aluminum bronze bars

GB 4435 Nickel and nickel alloys bars

GB 11806 Regulations for the safe transport of radioactive material

EJ 190 Technical conditions of steel vessels

3 Provisions of main technical parameters (see Table 1)

Table 1 Main Technical Parameters

Volume (m ³)	Maximum Loading Capacity (kg)	Design Pressure		Working Pressure		Design Temperature		Working Temperature		Supporting-set Valve (Drawing No.: JF 22-00G)		Plug	Weight
		Internal Pressure (Gage Pressure) MPa	External Pressure (MPa)	Internal Pressure (Gage Pressure) MPa	Vacuum (Pa)	Lowest (°C)	Highest (°C)	Lowest (°C)	Highest (°C)	Right-angle Valve (mm)	Connecting Thread of Right-angle Valve and Container	Tapered Thread	kg
3	9500	1.4	0.15	1.4	13	-40	120	-40	120	φ22	Z1"	Z1"	2022

7 Construction drawing number

3m³ UF₆ containers EJ 424

Additional information:

This Standard was proposed by Fuel Division of China National Nuclear Corporation.

Responsible drafting organization of this Standard: 7th Research and Design Institute of China National Nuclear Corporation.

Main drafters of this Standard: Wu Zhaopei and Wang Litong.

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