

Name: Nested Transport Packaging (NTP)



Certification

Certified to IAEA Regulations as a Type A package and is approved for Road, Rail, Sea and Air transportation.

Description

The Nested Transport Packaging, Stainless Steel cylindrical packaging has been designed to be used either, as a single unit or nested together in multiple transport configuration's to provide varying shield thickness, ranging from 2" to 6" of lead (specifications are detailed in Figure.2). The versatility of these package combinations means that a wide variety of contents can be carried with shielding to suit, ensuring the most cost effective solutions to the customer. This packaging also forms a component part of a Type B variant, the DN3705, please review the relevant Technical Data Sheet for more information. One intermediate package and one outer package incorporate a drain facility allowing pond loading if required.

Permitted Contents

Type 'A' solid radioactive materials. The Certificate of Approval can be modified under certain circumstances to meet customer's specific needs, not currently within the constraints of the permitted contents.

Examples of Use

Shipments of irradiated steel samples to international reactor facilities. Movement of highly active sources and highly active waste.

Packaging Specifications

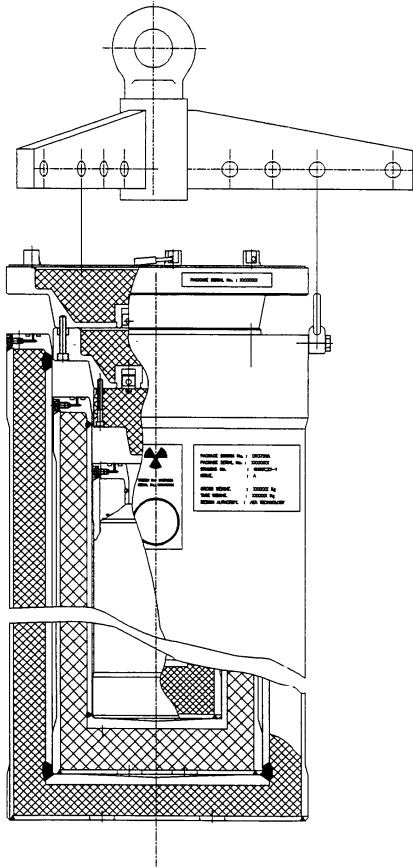


Figure 1. Schematic

Ancillary Equipment

The NTP is transported with a tie down frame, or tie down plates, and has its own dedicated lifting beam for transport moves (a full nest NTP is illustrated in Figure 1).

Container Fleet

Waste Management Technology has three outer packagings (one of which is capable of being drained), four intermediate packagings (one of which can also be drained), and three inner packagings, in their Transport Packaging fleet.

| Packaging Identity | Dimensions (mm) | | Cavity Size (mm) | | Weight of packaging (kg) | Payload weight (kg) | Shielding provided (lead) (mm) |
|--------------------|-----------------|-----|------------------|-----|--------------------------|---------------------|--------------------------------|
| | H | Ø | H | Ø | | | |
| DN3726A | 928 | 538 | 735 | 380 | 1200 | 25 | 50 |
| DN3726B | 734 | 377 | 521 | 235 | 570 | 25 | 50 |
| DN3726C | 520 | 231 | 286 | 100 | 180 | 9 | 50 |
| DN3726D | 928 | 538 | 521 | 235 | 1770 | 25 | 100 |
| DN3726E | 734 | 377 | 286 | 100 | 750 | 9 | 100 |
| DN3726F | 928 | 538 | 286 | 100 | 1950 | 9 | 150 |

Figure 2. Packaging Specifications

A Certificate of Approval (CoA), Operating and Handling Instruction (OHI) and further information can be obtained from:

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