



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0366/S-96, REVISION 8**

East Building, PHH-23
1200 New Jersey Avenue Southeast
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - Gammatron Model GT-GHP.
2. Source Description - Cylindrical welded double encapsulation made of K-Monel 500 (USN N05500) or Armco 17-4 (USN S17400). Approximate outer dimensions are 6.35 mm (0.25 in.) in diameter and 12.7 mm (0.5 in.) to 31.75 mm (1.25 in.) in length. Construction shall be in accordance with attached Gammatron Drawing No. A-3000.
3. Radioactive Contents - No more than either 0.037 TBq (1.0 Ci) of Cesium-137 as glass microspheres, 0.037 TBq (1.0 Ci) of Cobalt-60 as metallic pellets or wire, 93 kBq (2.5 uCi) of Radium-226 as metallic foil, or 0.0037 TBq (0.1 Ci) of Californium-252 as metallic pellets or wire.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on July 31, 2020.

¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the June 23, 2015 petition by Gammatron, Houston, TX, and in consideration of other information on file in this Office.

Certified By:



Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Jul 13 2015
(DATE)

Revision 8 - Issued to extend the expiration date.

A .250" ± .010

B .50" min. 1.250" max.
Threads, taps, or handling
buttons may be added.

C .060 min. Minimum thickness applies.

D .028 minimum

E .190 maximum

F B minus D + C

G .20 minimum

H .028 minimum

I

J .20 maximum

USE THIS DRAWING WITH SPECIFICATION
SHEET SS-3000

GAMMATRON

SCALE: NONE

APPROVED BY

DRAWN BY

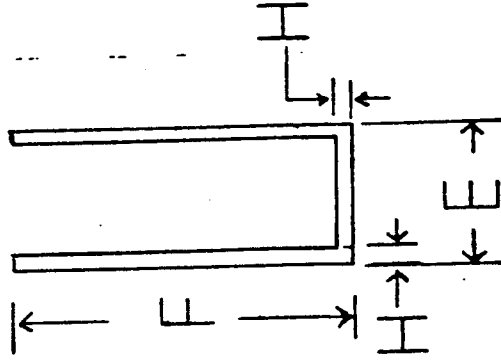
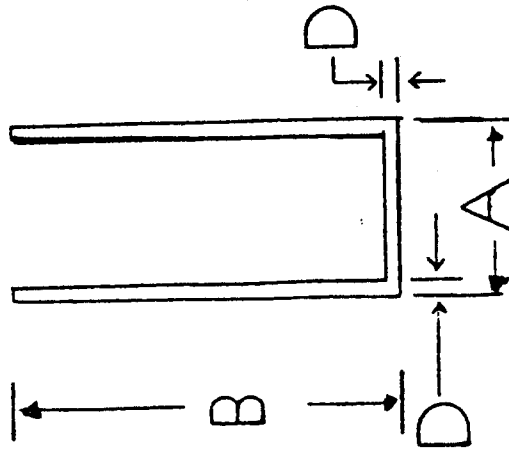
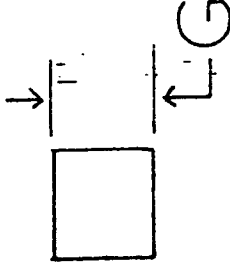
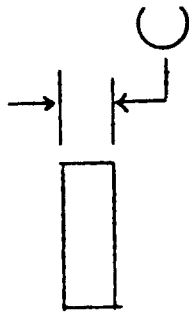
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DCJ

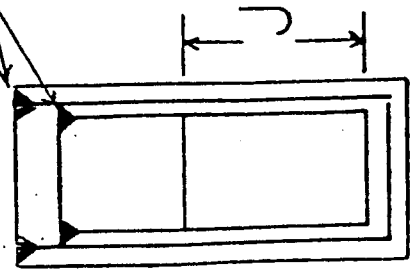
GT-GHP

SIZE — .250 x .5 through 1.25

DRAWING NUMBER
A-3000



Helium Welds





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of Transportation

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Washington, D.C. 20590

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