

TECHNICAL INFORMATION

The radionuclides are placed between two sheets of polyester about 75 µm thick, heat-sealed together. A vacuum gold coating is applied to each side of the source to optimize measurement efficiency. The whole setup is mounted in a steel ring.

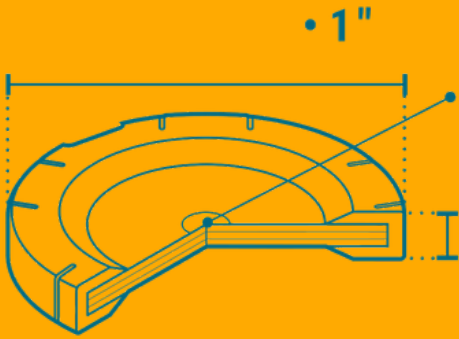
The radiological characteristics of the sources are measured using a gas-flow proportional counter.

MANUFACTURING RANGE

Catalogue references	On request
Active diameter 0.12 in 1.2 in	From 0.12 to 1.2 in
Outer diameter 1 in 1.5 in 2 in	From 1 to 2.4 in
Activity 0.002 µCi 0.08 µCi	From 0.001 to 0.1 µCi
Radionuclide ²² Na, ³⁶ Cl, ⁶⁰ Co, ⁹⁰ Sr/ ⁹⁰ Y, ¹³⁷ Cs/ ¹³⁷ Ba, ¹⁴⁷ Pm, ²⁰⁴ Tl, ¹³⁴ Cs, ⁸⁹ Sr	³² P, ³⁵ S, ⁴⁵ Ca, ⁹⁹ Tc

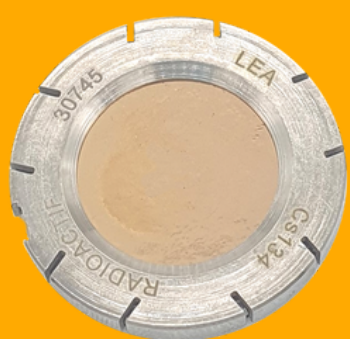
STANDARD GEOMETRIES

Type A

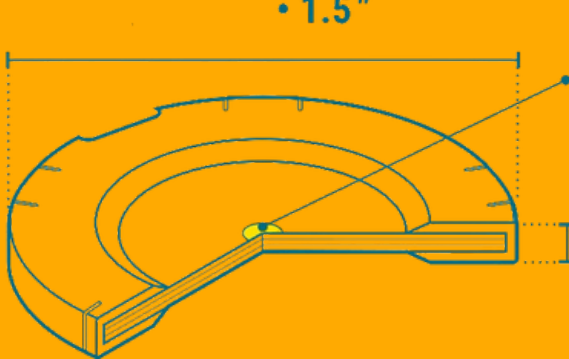


Active surface Diam. 0.12"

Metal ring
Thickness 0.12"



Type B

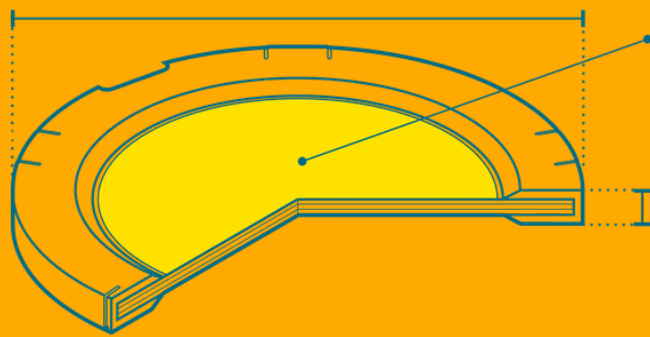


Active surface Diam. 0.12"

Metal ring
Thickness 0.12"



Type C



Active surface Diam. 1.12"

Metal ring • Thickness 0.12"



SETS

The EBS A and EBS B sources are also available in a kit. The radionuclides provided are ¹⁴⁷Pm, ¹³⁴Cs, ¹³⁷Cs, ⁹⁰Sr+⁹⁰Y, ²⁰⁴Tl, and ²²Na, with an activity of 80 Bq or 3,000 Bq. Other mixes of EBS sources are available upon request.



The image shows a source kit (COFFRET DE SOURCE BETA) with a certificate and a tray of sources. The certificate lists the radionuclides and their activities. The tray contains 10 sources, each with a different radionuclide and activity.

RECOMMENDED LIFETIME

From a metrological point of view: ~ 2 radioactive periods. From a physical integrity point of view: 10 years