

# Krypton-85

## Beta Sources

### Low bremsstrahlung, high output sources

Krypton-85 gas is encapsulated in welded titanium capsules with a 0.001" thick titanium window. Each capsule has a copper fill tube at the back, which is sealed by cold welding and then soldering. The inclusion of a welded back cap provides a secondary seal to protect the cold welded copper tube and provide improved mechanical strength.

A protective window shield is included with each source to protect the window during transportation and handling. It also absorbs the beta dose from the source making it easy for the user to handle and load into gauging devices.

Nominal activity*		Capsule type	Code
GBq	mCi		
3.7	100	X.1088	KAC.10881
7.4	200	X.1088	KAC.10882
11.1	300	X.1088	KAC.10883
14.8	400	X.1088	KAC.10884

**Recommended working life:** 10 years

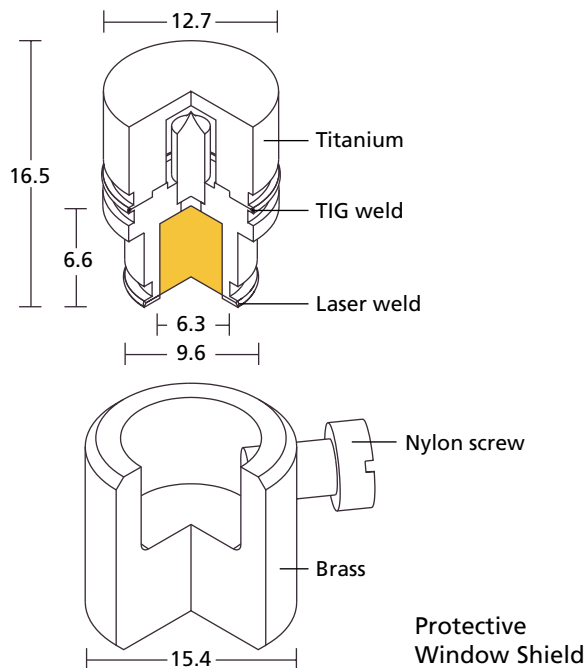
#### Quality Control

Leak test P

#### Internal Pressure

The X.1088 capsule is typical of capsules which can be pressurized up to 7 atmospheres.

### X.1088



### Safety performance testing

ANSI/ISO classification	Model no.
C43232	KAC.D3

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Nominal activity*		Capsule type	Code
GBq	mCi		
3.7	100	X.1114	KAC.11401
7.4	200	X.1114	KAC.11402
11.1	300	X.1114	KAC.11403
18.5	500	X.1114	KAC.11405
37.0	1000	X.1114	KAC.11410

\*Tolerance  $\pm 10\%$

**Recommended working life:** 10 years

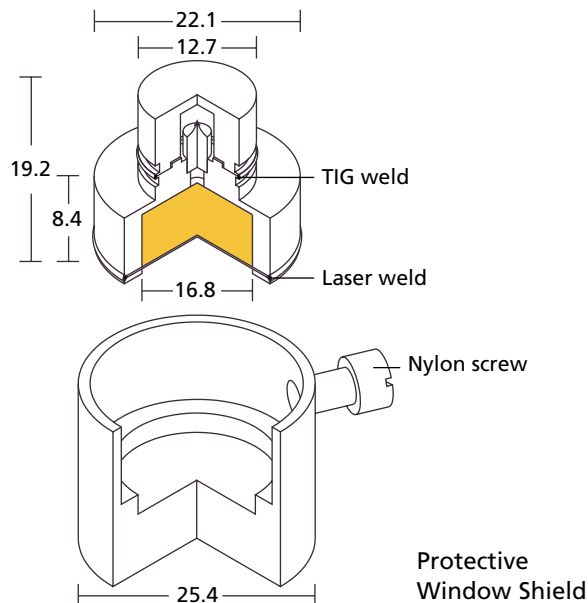
#### Quality Control

Leak test P

#### Internal Pressure

The X.1114 capsule can be pressurized up to 4 atmospheres.

### X.1114



### Safety performance testing

ANSI/ISO classification	Model no.
C33232	KAC.D1