



## TECHNICAL DATASHEET

### EXERTUS SELEN 120 CIRCA PROJECTOR

The Exertus Selen 120 Circa camera is a new generation of “Close Proximity” Tungsten shielded gamma radiography projectors - it has the ability to accept Selenium 75 scaled sources. This projector offers the latest design that makes it flexible, yet compact.

The Exertus Selen 120 Circa is a unique and innovative Tungsten Projector which can be loaded with a maximum of 3.7 TBq (100 Ci) of Se-75. The Projector offers a compact design that is very user friendly.

The unique characteristic of the Exertus Selen 120 Circa is linked in its variability of use. Indeed this new Oserix Projector can be used either for normal radiography methods or for radiography where close proximity work is needed. For these specific conditions of work, the Tungsten collimator that can be fixed on the projector will allow any user to work close to their area of work in a safely manner. In this case, the radiation controlled area barriers and safety perimeter from the radioactive source can be decreased significantly preventing interferences with other operations.

#### **SPECIFICATIONS:**

##### **Basic Construction Standards**

ISO 3999 compliant

##### **Isotopes**

Se-75 under special form

Se-75 half-life: 119.8 days

##### **Activity**

Se-75: 3.7 TBq (100 Ci)

##### **Surface Dose Rate**

Max. 2 mSv/h

##### **Total Weight**

9.0 kg (19.84 lb)

##### **Tungsten Weight**

5.3 kg (11.68 lb)

##### **Dimensions**

Length: 203 mm (7.99 inch)

Width: 110 mm (4.33 inch)

Height: 191 mm (7.52 inch)

##### **Removable Collimator Weight**

4.3 kg (9.4 lb)

