

# EXERTUS® CIRCA



EXERTUS® CIRCA projector range is a new generation of close proximity tungsten shielded gamma radiography projector - it has the ability to accept Selenium 75 sources.

This projector offers the latest design that makes it flexible, yet compact. These Projectors can be used for either normal radiography methods or for radiography where close proximity work is needed.

The design incorporates a Directional Tungsten Collimator which connects directly to the Projector.

This reduces the radiation controlled area significantly and allows operations in the close vicinity to continue during exposure.

Safety is an integral part of the EXERTUS® CIRCA Isotope Projector range - a three colour signal indicator provides the user with a clear visual guide as to the position of the source at all times.

EXERTUS® CIRCA projector is ISO3999:2004 compliant.

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## Technical Specifications

Basic Construction Standards	ISO 3999:2004 Compliant
Isotopes	Se-75 under special form
Se-75 half life	119.8 days
Activity	
Se-75	CIRCA 40 1.5 TBq (40 Ci) CIRCA 80 2.96 TBq (80 Ci) CIRCA 120 4.44 TBq (100 Ci)
Surface Dose Rate	Max. 2mSv/h
Total Weight	CIRCA 40 (8.4 kg) CIRCA 80 (8.8 kg) CIRCA 120 (9.0 kg)
Dimensions	
Length	203mm (8")
Width	110mm (4.33")
Height	191mm (7.52")
Materials Used	
Outer Shell	Stainless Steel
Shielding	Tungsten Heavy Alloy
Source Channel	Tungsten Heavy Alloy
Type	B(U) RUS / 5789 / B(U)-96T



## Features

Automatic Source Assembly Locking Mechanism is triggered by the front of the Source Assembly, thus ensuring that the Projector can only be locked and disconnected with Source in the Safe Position Three colour signal indicator system.



Source Assembly is secured and the Projector is locked.



Projector is Unlocked and Source Assembly Locking Mechanism is ready to be released.



Source Assembly Locking Mechanism is released and ready to expose.

## Accessories

Adaptator Guide Tube for EXERTUS® CIRCA



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