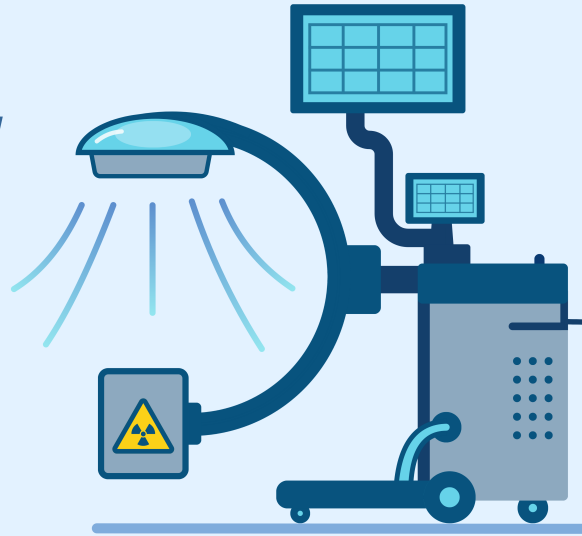




FDA Fluoroscopy Beam Standards

Fluoroscopy Beam Control



Hello Subscriber,

Understanding how radiation output is controlled is critical for both compliance and safety. Below is a simplified breakdown of key fluoroscopy requirements related to exposure and system limits.

Exposure Activation

Fluoroscopy requires continuous operator input. X-rays are only produced while the operator actively engages the control, ensuring full control over exposure time.

Air Kerma Rate (AKR) Limits

Systems are restricted in how much radiation they can produce:

- Standard operation limits radiation output to defined maximum levels
- Systems with automatic exposure control (AERC) must stay within these limits
- Higher output is only allowed when a special “high-level control” is intentionally activated

High-Level Control

When higher radiation levels are needed:

- Activation must be deliberate and continuous
- An audible signal must indicate when it is in use

Measurement Requirements

Radiation output must be measured under specific conditions depending on system type (table-based, C-arm, etc.). These standardized measurements ensure consistency across all equipment.

These safeguards are in place to balance image quality with patient and operator safety.

👉 See the document for more details on FDA beam standards.

View FDA Document-- 21 CFR 1020.32



Have More Questions?

Browse our authorized dealer portal website. This site contains documentation to assist with installation, maintenance, and troubleshooting of Summit supported X-ray equipment.

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