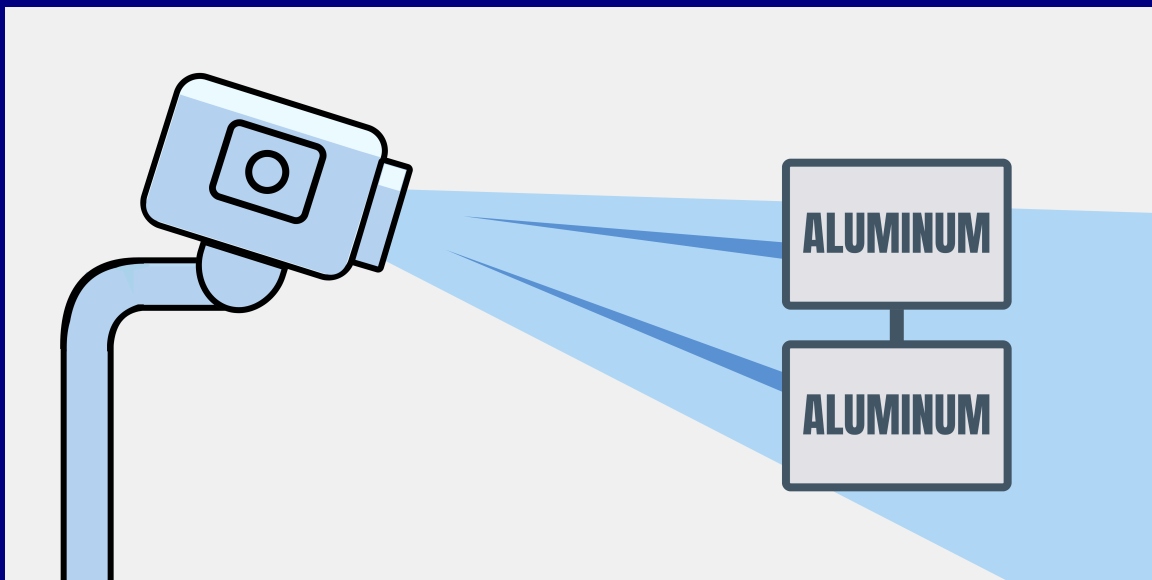




HALF-VALUE LAYER REQUIREMENTS



Hey there Subscriber,

The **FDA requires all diagnostic X-ray systems** to meet specific **Half-Value Layer (HVL)** standards that define the minimum beam quality needed for safe imaging.

The HVL measures how much material—typically aluminum—is needed to reduce the X-ray beam intensity by half. Systems must meet or exceed the required HVL values for each **operating kVp**, ensuring adequate filtration and minimizing unnecessary low-energy radiation exposure.

These standards help maintain **consistent image quality** while protecting patients from excessive radiation.

👉 See the document for details on FDA Half-Value Layer and filtration requirements.

[View FDA Document](#)



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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