FP-309X-L

From a Source to a Varex Interventional Imaging Solution

Varex helps interventional OEMs bring differentiated imaging systems to market faster with an integrated imaging chain built around the FP-309X AEG source and IGZO detector technology. Together, the technologies enable high-quality, dose-efficient imaging, fast system response, and compact system design, while a more integrated approach helps reduce development complexity and integration risk.

The only AEG tube available to new market entrants: Varex FP-309X-L for interventional.



Up to 9.5 kW	**~20%**	**~12°**
@ 100% AHS cooling capacity	less off-focal radiation with electron collectors	anode to reduce heel effect and improve panel coverage matching

Smaller Product Volume & Weight

Greater system design flexibility with the potential for smaller, lighter C-arm architectures and reduced mechanical burden.

- Small physical tube package for the stated power and cooling rates
- Lighter weight than competitive product
- Smaller AEG package supports sleek, lightweight C-arm designs, reducing mechanical complexity and lowering costs

Patient Throughput / Continuous Power

Faster readiness and greater throughput for demanding interventional workflows.

- Up to **9.5 kW @ 100% AHS cooling capacity**
- Increased heat dissipation
- LMB eliminates delayed anode boost

Improved Image Resolution

Sharper, more consistent imaging with a source architecture designed to complement the detector.

- AEG architecture lowers off-focal radiation

- AEG improves image resolution at the same focal spot size, with higher DQE (tube + detector)
- Flat-emitter technology can further enhance imaging and source-detector matching
- ~12° anode (8° also available) can reduce heel effect and improve panel coverage matching

Fast Imaging Response Time

More responsive imaging during dynamic interventional procedures.

- Grid-enabled design supports pulsed fluoro and cine dose control
- LMB supports rapid scan readiness and radiation dose reduction

Quiet and Comfortable

Quieter operation and greater comfort for both doctor and patient.

- LMB runs quieter, supporting doctor and patient comfort
- Less bearing wear and a longer bearing life

Minimized Patient X-ray Dose

Better dose efficiency by controlling exposures and reducing unwanted radiation.

- Grid-enabled design supports pulsed fluoro and cine dose control
- Electron collectors reduce off-focal radiation by **~20%**

Integrated Imaging Solution

Lower integration risk and faster development, with more of the imaging chain evaluated together before full-system integration.

- Varex can design, test and verify **tube + generator + panel** basic imaging before first prototypes
- Prototype HV samples support stationary imaging evaluation before full-system development
- Two tube options can support tiered systems

One partner. One integrated imaging chain.

Bring differentiated interventional systems to market faster with the FP-309X-L source and Varex imaging technologies working together. Talk to Varex about your next interventional system.