

AV30HF



Integrated High Frequency Veterinary X-Ray System

The AV30HF System produces x-ray images with improved resolution and contrast while affording the operator fast, easy technique selection. Compared to conventional 60 Hertz generators, High Frequency technology produces more x-ray in less time. Exposure time reduction will minimize image blur caused by motion. By producing a more effective kV, HF technology improves penetration power, allowing for lower kV settings. The resulting scatter radiation is minimized, eliminating gray, fogged films.

Features

- Integrated generator into the table.
- Changes to technique settings are quickly facilitated without leaving the table.
- The integrated generator table concept significantly reduces floor space requirements and difficulty of installation. Systems require only 35" x 56" of floor space.
- Convenient light beam collimator provides a high intensity light field for quick, accurate positioning. Swivel mechanism facilitates table-top procedures. Exceeds federal standards for radiation leakage protection. Shutter actuators designed for use with lead gloves. Rubber edged collimator prevents operator head injuries.



- Table-top extension (either end) adds 12" of table length for very large animals or standing lateral views.
- Tie-down brackets offer non-manual restraint capabilities.
- Out-of-room exposure switch allows you to leave the table when taking exposures.
- DR, CR or film solution

Specifications

Integrated High Frequency (HF) Generator

- 20 kHz High Frequency Technology
- 30 kW rating
- kVp range: 40 -125
- Four mA stations: 50S, 100S, 100L, 300L
- mAs range: 0.2-400 mAs with over 85 mAs selections
- Two-point technique selection (kVp, mAs)
- Digital display of kVp
- Digital display of mA and mAs
- Built-in tube protection
- Built-in self-diagnostics
- Adjustable volume, audible exposure signal
- Automatic generator "shut-off" circuit
- Line cable included, 6 AWG-3 conductor 14 ft. external length
- UL Classified

Table/Tubestand

- Enclosed table, stationary 53" x 24" top
- Welded-base construction
- Full travel lead-lined grid cabinet
- Grid cabinet with Simplex manual cassette tray
- Grid: 8:1 ratio, 103 LPI
- Grid cabinet/tubestand interlock
- Attached, fully-counterbalanced tubestand; travels full table length
- Full vertical travel
- Angulation dial and operator handle

Tube

- 1.0-2.0mm focal spots, 140,000 heat units with 90 degree horns

Cable

- 12 ft. high voltage cable with federal terminations

Collimator

- Manual with light field
- Field light "on" time-selectable 30, 60, 90 or 120 seconds (factory set at 60)



- Long life “soft-start” bulb circuits
- Easy-to-operate with gloves on
- Exceeds federal standards for radiation leakage protection

Exposure Switch

- Footswitch with 20 ft. cord

