Q-VET SERIES

Veterinary X-Ray Systems and Digital Solutions

Quantum MEDICAL IMAGING
Division of Carestream
Q-VET systems are highly refined for logical and efficient operation. This unique approach to system development simplifies radiographic examinations and assures that Quantum products meet the growing needs of radiology. Quantum's technology is proven in hundreds of veterinary installations worldwide.

Q-VET-FTX System Features:

- QS-500 Series Radiographic Tubestand integrated to Table.
  - Vertical Travel of 41.5” (105 cm), Longitudinal Travel of 32” (81 cm).
  - Electromagnetic Tube Angulation of +/- 135°, with detents at 0°, +/- 90°.
- EZ-VET Operator Control Panel
  - Minimizes going back-and-forth from the patient’s side to the generator’s Operator Control Panel in order to customize patient exams.
- Collimator
  - The Q-VET Series Collimators are of the highest quality and FDA approved for human use, assuring safety of your staff by greatly reducing exposure during procedures.
- Float-Top Enclosed Veterinary Table with Electronic Foot Control
  - Float-Top Enclosed Veterinary Table Control Lock
  - URO-TRACK System is a specifically designed track in the table for easy clean-ups of urinary accidents during an examination.
  - Electronic Foot Control
  - Patient “Tie-Down Clamps”

Q-VET-FX System Features:

- QS-500 Series Radiographic Tubestand integrated to Table.
  - Vertical Travel of 41.5” (105 cm), Longitudinal Travel of 32” (81 cm).
  - Electromagnetic Tube Angulation of +/- 135°, with detents at 0°, +/- 90°.
- EZ-VET Operator Control Panel
  - Minimizes going back-and-forth from the patient’s side to the generator’s Operator Control Panel in order to customize patient exams.
- Collimator
  - The Q-VET Series Collimators are of the highest quality and FDA approved for human use, assuring safety of your staff by greatly reducing exposure during procedures.

Q-VET-ITT System Features:

- Fixed Radiographic Tubestand integrated to Table.
  - Fixed Position is at the Center of Receptor
- EZ-VET Operator Control Panel
  - Minimizes going back-and-forth from the patient’s side to the generator’s Operator Control Panel in order to customize patient exams.
- Collimator
  - The Q-VET Series Collimators are of the highest quality and FDA approved for human use, assuring safety of your staff by greatly reducing exposure during procedures.
- Float-Top Enclosed Veterinary Table with Electronic Foot Control
  - Float-Top Enclosed Veterinary Table Control Lock
  - URO-TRACK System is a specifically designed track in the table for easy clean-ups of urinary accidents during an examination.
  - Electronic Foot Control
  - Patient “Tie-Down Clamps”

Q-VET Series Radiographic System Features:

- 32 kW ULTRA High Frequency Generator
  - (Other X-Ray Generators available - consult factory)
- EZ-VET Operator Control Panel
- Certified Collimator
  - (Meets FDA Requirements for Human Use)
- 650 lb Patient Capacity Table
- “URO-TRACK” System
  - Patient “Tie-Down Clamps”
The EZ-VET Operator Control Panel minimizes going back-and-forth from the patient’s side to the generator’s Operator Control Panel in order to customize patient exams. The EZ-VET Operator Control Panel gives the operator complete control to adjust exposure parameters at the tube-side, just as if they were at the generator’s Operator Control Panel. This synchronized generator solution greatly streamlines the imaging process and decreases overall examination time, while allowing the technologist to remain close to the patient, increasing patient care.

The EZ-VET Series generator operates at a near-constant potential of up to 120 kHz – providing Ultra High Frequency Technology for efficient image quality of X-Ray production. It also translates into shorter exposure times; reducing the chance that animal motion might affect examinations.

Image Suite Advantages at a Glance:
- Streamlined workflow enables improved patient care
- Fast, simple installation and user training
- EV-A (Enhanced Visualization-Automatic) image processing for high quality images

CRescendo Classic CR Reader
- Single Cassette Reader
- Throughput: 69 (35 x 43 cm) Plates Per Hour
- 19” W x 22.7” D x 40.5” H – 300lbs.
- Compact footprint for placement in an X-Ray room or X-Ray control console room
- High Speed Mode – 6 Pixels per mm resolution
- Standard Speed Mode – 10 Pixels per mm resolution

Convenient Load Height
Wait high loading of cassettes makes processing easier reducing technologist bending and reaching.

Easy Access Door
The system is designed to keep foreign objects out, but should anything find its way inside, just open the front door and take it out.

Plates Go In, but Cassettes Stay Out
This design reduces the likelihood that contaminants such as tape and lead markers on the cassette will be transferred to the inside of the reader.

Optional Tablet Viewer Software
The ability to view images on a tablet such as an iPad. Physicians can also view patient images from home or any remote location on their iPad 2 mobile devices by logging into their mini-PACS system.

The EZ-VET Series generator operates at a near-constant potential of up to 120 kHz – providing Ultra High Frequency Technology for efficient image quality of X-Ray production. It also translates into shorter exposure times; reducing the chance that animal motion might affect examinations.
DRive is a digital imaging DR hardware & software solution designed for General Radiography of anatomy, using a unique image processing system and proprietary flat panel detector technology. It is intended to replace film and/or CR cassette based radiographic systems for all general purpose diagnostic procedures.

A truly unique offering and productivity enhancement is Generator integration with Quantum Medical Imaging Radiographic Systems. DRive ensures superior image quality for today's high standards in precise diagnosis with spatial resolution of 3.5 lp/mm.

**SPEED WITH PRECISION**
A preview image is displayed immediately after X-ray exposure, allowing for prompt image confirmation, fast network distribution, and quick patient throughput.

**Remote Service Support Software**
- TEAM-Viewer Remote Access Software Included (allows for WEB-Based Remote dial-up support)
- Download files and maintenance instructions.
- Transfers files between the workstation and a service representative

**Veterinary DICOM Attributes:**
Species (Canine, Feline, Equine, Ovine, Porcine, Bovine, Caprine), Breed, Sex Neutered Status, Breed Codes, Breed Registration Codes, Responsible Person

**EXPOSURE INDEX FEATURE**
The Preview image display will show the EXPOSURE INDEX per the image. In conjunction with the EXPOSURE INDEX, the display includes a color coded DEVIATION INDEX proportional to the pre-programmed anatomy - specific target index.

**GREEN** will reflect a correct exposure range

**ORANGE** will indicate moderate under/over adequate exposure

**RED** will indicate over/under exposure
### STORED ENERGY (SE) GENERATORS

#### Generator Specifications

<table>
<thead>
<tr>
<th>Model #</th>
<th>QQ-50</th>
<th>QQ-40</th>
<th>QQ-32</th>
<th>QQ-25</th>
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<tbody>
<tr>
<td>Catalog #</td>
<td>QQ-500</td>
<td>QQ-400</td>
<td>QQ-320</td>
<td>QQ-250</td>
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<td>ULTRA High Frequency</td>
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<td>120 kHz PLUS</td>
<td>120 kHz PLUS</td>
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<td>40 - 125 kVp</td>
<td>40 - 125 kVp</td>
<td>40 - 125 kVp</td>
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<tr>
<td>mA Range</td>
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<td>25 - 500 mA</td>
<td>25 - 500 mA</td>
<td>25 - 400 mA</td>
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<td>Timer Range (seconds)</td>
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<td>0.001 - 6.3 sec.</td>
<td>0.001 - 6.3 sec.</td>
<td>0.001 - 6.3 sec.</td>
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<tr>
<td>APR Programs (Pre-programmed and Custom)</td>
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<td>100 APR Views (5000 Techniques)</td>
<td>100 APR Views (5000 Techniques)</td>
<td>100 APR Views (5000 Techniques)</td>
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<td>Operational Modes</td>
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<td>kVp with AEC (option)</td>
<td>APR/Patient Type</td>
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<td>50/60 Hz</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
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<td>Single Phase Line:</td>
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<td>Standard</td>
<td>Standard</td>
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<td>Option</td>
<td>Option</td>
<td>n/a</td>
</tr>
</tbody>
</table>

Output power ranges may be limited by x-ray tube selection/AEC limits/incoming power line.

**Specifications subject to change without prior notice.**

### QUEST HF Series™ GENERATOR OPTIONS:
- Automatic Exposure Control (AEC) Electronics: (QQ-AEC)
- High (Dual) Speed Starter: (Q-HSS - Only on QQ-500)
- Pedestal Mount for Operator Control Console: (QQ-PDL)
- Wall Mount for Operator Control Console: (QQ-WM)
- Remote Exposure Hand Switch: (R80-HS)

### STORED ENERGY (SE) GENERATORS

Quantum’s advanced STORED ENERGY (SE) technology permits powerful operation using only a standard “low amperage” wall outlet or alternate power source. The SE’s power cells are virtually maintenance-free and provide years of usage. These units are ideal in facilities where incoming power is unavailable and for mobile imaging applications.

**The QUEST HF’s control panel can be positioned on a custom pedestal, fastened to a wall for space saving, desktop mounted, or positioned on top of the generator cabinet.**