

Technical Description — Features

Customer: **VAMC Augusta**
Quote Number: **MH053013-1**
Date: **May 30, 2013**

Description

Domier Compact Delta II Lithotripter with UIMS
consists of the following system components:

THERAPY UNIT WITH ELECTROMAGNETIC SHOCK WAVE SOURCE

- Highly efficient, highly dynamic Dornier Electromagnetic Shock Wave Emitter (Dornier EMSE-f140)
- Maximum penetration depth 150mm
- Six (6) variable energy levels from 7,1 to 47 mJ
- Energy flux density from 0.28 - 0.85 mJ/mm²
- Pressure in focal area 210 - 556 bar
- Focal size 7.7 x 81 mm
- Shock wave release: fix frequency of 60 - 120 shock waves per minute, or ECG triggering
- Positioning of shock wave source: 40 degrees lateral — Variable
- Motorized 3 - axis shock wave positioning system
- Flexible, motorized coupling of therapy head with separate moveable c-arm
- 0 - 25 degrees for ureteral stones
- 25 - 50 degrees for kidney stones

UROLOGY INFORMATION MANAGEMENT SYSTEM (UIMS) WITH CONTROL PANEL AND MONITORS

- High frequency x-ray generator
- Fixed anode, double focus x-ray tube
- 9" image intensifier
- TV chain with CCD camera
- Dual Flat Color Screen Monitors
- Fluoroscopy kV-range: 40 - 110 kV
- Fluoroscopy mA-range: 0.2 - 4 mA
- HF fluoroscopy kV-range: 40 - 110 kV
- HF fluoroscopy mA-range: 0.5 - 6.5 mA
- Automatic Self Correcting Exposures (ABS)
- 100,000 image Storage
- 1024 x 1024 resolution

Workstation

- CPU Intel P4 3.06 GHz
- Memory 512 MB
- Hard disk 120 GB
- Floppy disk 3.5" 1.44 MB
- DVD burner 4x DVD-R, 2x DVD-RW

Live X-Ray Image Acquisition/Processing

- Fluoroscopy 25/30 fps
- Sequential fluoroscopy 0.25 to 2 fps
- Digital radiography single shot
- Auto-save/Auto-widowing
- Digital radiography sequence 1 to 6 fps
- Cine loop
- Automatic acquisition of sequences during fluoroscopy
- Real time noise filter 0,2,4,8,16 x integration
- User definable filters 3
- Real time edge enhancement 3 x 3 matrix

Features

- Last Image Hold
- Gamma correction for video display
- Window and level control
- Image up/down invert
- Image left/right invert
- Gray level invert
- Blanking circle

X-Ray Image Post processing

- Edge enhancement 4 levels
- Zoom 200%
- Multi-image display 1,4,9,16
- Auto windowing
- Pan

- Picture In Picture
- Replay image sequences
- Annotation (line, arrow, text)

HANDHELD CONTROL PANEL

- Control functions for shock wave positioning and therapy parameters

RELAX + TABLE

Included with table:

- Zero bladder cut-off
- Isocentric & Non-isocentric table tilt, with slow/fast travel speeds
- X-ray positions: +/-CC, AP, +1- lateral
- Radiolucent/ Carbon Fiber table top
- Central braking system (one lever)
- Hand & foot switches for easier control
- Position storage
- Used as X-ray table in combination with C-arm
- Three exchangeable center sections
- Optimal access to patient's head for anesthesiologist
- Maximum table load: 396 lbs. (180kg)
- Minimum access height: 29.1" (740kg)
- Weight: 4561bs. (207kg)
- Length: 93.8" (2380 mm)
- Hand Fixation
- Arm Rest
- Table Relax + Off Road
- Flexible Drainage System
- Fifteen (15) ct. drain bags
- Table Leg Extension with Padding
- Table Mid Section ESWL Cut Out w/Padding
- Compression Belt
- IV Pole
- Cushion Wedge
- Leg Supports (2)
- Elbow Rest

Dornier MedTech Clinical Excellence User Training

- Four days of onsite user training by our ARRT Registered Clinical Applications Specialists for Radiology Staff, or staff and physicians.
- Post training skills assessment
- Participants will be eligible for Continuing Education Units as approved by the American Society of Radiological Technologists
- Follow up training to guarantee results

DICOM Media Interchange Service

OPTIONS

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Description	Unit	
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DICOM MOD Storage Service

DICOM Basic Print Service

DICOM Query and Retrieve

DICOM Modality Worklist Management

Flex Focus Ultrasound Unit

Includes: BK0023-L Multi-frequency transducer

Isocentric Ultrasound Arm

Keyboard table dock or Keyboard mobile dock (must choose one)