



**PORTABLE SYSTEM FOR
RADIOGRAPHIC
APPLICATION**

**CLINICAL OR EXTERNAL
USE**

**PORTABLE
SPL-HF-Vet -5.0**

The portable system SPL-HF-Vet 5.0 is a completely integrated system, that combines a modern High Frequency X-ray Generator's Technology with and excellent flexibility for any clinic, emergency room, Intensive Care Unit, etc. In addition it can be also used as an external mobile unit for emergency, rural locations and difficult access places.

- The main features of this Portable X-Ray Unit are:
 - Constant potential high frequency 300 KHz operating on single phase lines
 - Two point control by selecting kVp and mAs.
 - Tube protection circuitry prolongs Tube life and increases system performance.
 - Filament Power Down Mode to increase the Tube Filament life.
 - Equipped with closed loop control of X-ray Tube current, kVp and filaments, which minimize potential errors and the need for readjustments
 - Standard electric outlet operation from 100 to 240 VAC for 5 kW
 - Automatic line voltage compensation due to closed loop operation of X-ray Tube current and kVp
 - Heat Unit storage for the X-ray Tube.

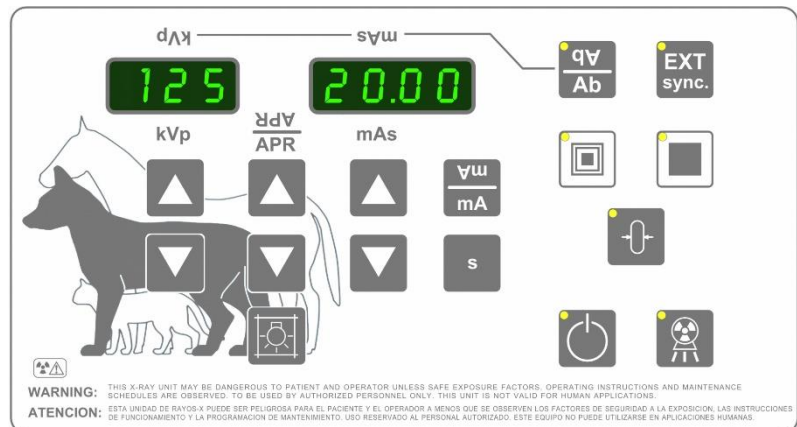
CHARACTERISTICS:

- ☐ Console control integrated on the system with digital indicator of the selection for kVp and mAs parameters, large/small focus selection, light indicator and acoustic of the X-ray exposure. It also includes a magnetic thermal limitation switch
- ☐ Maximum Power nominal power 5 KW (@ 0,1s)
 - 125 kVp @ 40 mA
 - 100 kVp @ 50 mA
 - 63 kVp @ 80 mA
 - 50 kVp @ 100 mA
- ☐ Auto Diagnostic System with error code, to make easy maintenance
- ☐ Range of Kvp, from 40 to 125 (in 1 kVp steps)
- ☐ Kvp Accuracy \pm (3% +1kV)
- ☐ Range of mA, from 5 to 100 mA, 5, 6.4, 8, 10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100
- ☐ Automatic selection of the mAs, In addition, it can be shown in the display pressing simultaneously any bottom, for focus or mAs selection
- ☐ Range of mAs, from 0.1 - 250 mAs (in 25% steps according to R'10 series)
- ☐ mAs Accuracy \pm (5% + 0.1 mAs)
- ☐ Range of exposure times, from 0,001 to 10 seconds, Automatic selection of the mAs. It can be shown in the display pressing simultaneously any bottom, for focus or mAs selection. (in 25% steps)
- ☐ ms Accuracy \pm (2% + 0.1 ms)
- ☐ Fix anode tube with double focus:
 - Small focus, 0.5 mm
 - Large focus, 1.8 mm
 - Anode Angle 14°
 - Anode Heat Capacity 40,000 H.U.
 - Total (tube+colimador) Inherent Filtration 2.9 mm Al @ 75 KVp
- ☐ Manual Collimator Centering Light Indicator. SID Measuring Tape
- ☐ Alimentation cable 6 m.
- ☐ X-Ray Manipulador Cable, 3 m.
- ☐ Weight 15Kg
- ☐ Maximum dimensions with extending handle & SID Guard: 622 mm x 289 mm x 189 mm

CONTROL PANEL

- All controls and displays on the Control Panel are positioned according to their function

 1. Radiographic Displays
 2. RAD parameters
 3. Collimator Light
 4. Workstations
 5. APR Module
 6. Focal Spots
 7. Reset
 8. Exposure Controls



ANATOMICAL PROGRAMME (APR) ON OVERLAY CONSOLE

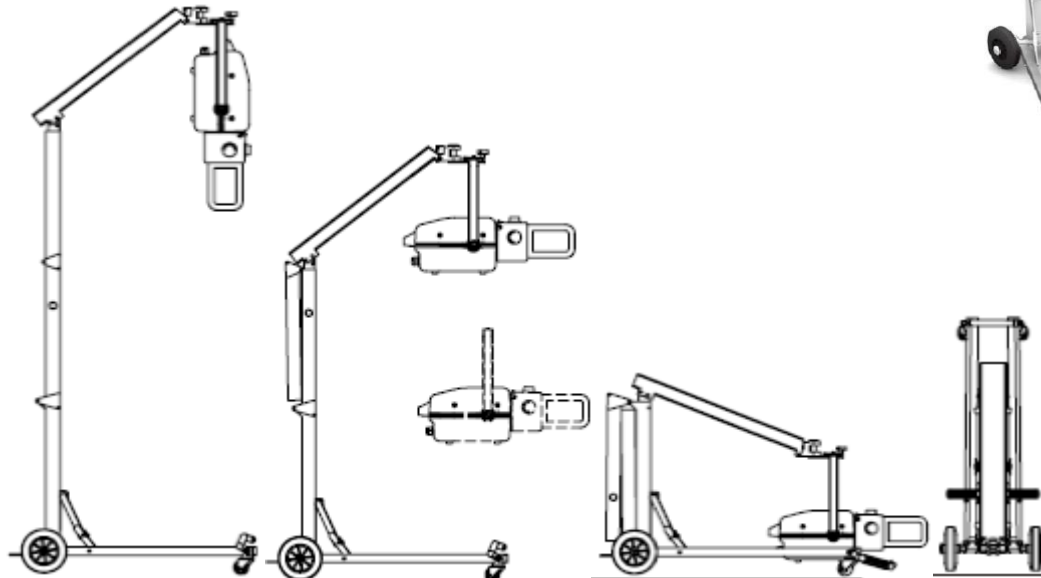
- Once the APR button is pressed and no other button is pressed in a period of 5 seconds, the Unit goes back to standard mode.
- The Overlay includes an Automatic Programming with 20 editable positions. By means of this feature, the operator can edit and store up to 20 Radiographic Techniques. To select an APR technique:
 1. Press any APR button, the text “APR MODE” appears in the display. Once released, the last selected APR position appears in the kVp and mAs display e.g: P01 SKUL.
 2. Press and hold the Collimator Lamp Button to load the technique. The different displays show the selected technique.
- APR techniques can be modified without restriction and can be stored or not.



OPTIONS:

OPTION 1: RODABLE AND FOLDABLE STAND

- ☐ Rodable stand, with mechanical brake on the front wheel
- ☐ Counterbalanced spring for perfect positioning of the
- ☐ Three unfolded positions
- ☐ Maximum SID 1725
- ☐ Vertical travel per position 600mm
- ☐ Weight: 28Kg
- ☐ Dimensions:
 - Maximum Dimensions, 207.5 x 88 x 1030 cm.
 - Minimum Dimensions, 27 x 93 x 37 cm.



OPTION 2 -TRANSPORT SUITCASE

- ☐ Transport suitcase for the equipment, including wheels and adjustable handle.
- ☐ Sizes: width 29.5 cm x length 35.5 cm. x height 59 cm



OPTION 3 - LASER POINTER (COLLIMATOR)

- ☐ Option of laser positioner for collimators (SP-HF-4.0 systems)
- ☐ The Cross laser is configured for a timing of 20 seconds, but it can be configured on a range from 10 to 50 seconds.
- ☐ The laser beam starts automatically on the preparation for the exposure. It allows checking the position of the patient before make any exposure.