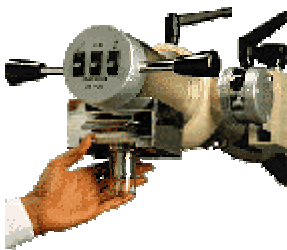




THE PANTAK THERAPAX SXT 150



combines the safety and ease-of-use of photon radiation therapy with state-of-the-art technology, including microprocessor control and solid-state electronics. Using **Therapax**, a single operator can easily perform superficial radiation therapy without interrupting patient throughput on expensive and sometimes overbooked accelerators. This software-controlled system delivers constant potential output and covers the broadest range of superficial treatment techniques, including the Papillon technique for rectal carcinoma.

A Practical, Easy-to-Use Design



Therapax's unique microprocessor control system puts complete control at the operator's fingertips. It offers a message center on the console, continually informing the operator of the system's status. When a filter is selected, the system automatically sets the appropriate programmed kV and mA values, thereby saving time and ensuring treatment accuracy. Time is also saved with the automatic tube warm-

up



The water-cooled metal ceramic X-ray tube contributes to a longer service life and allows the **Therapax** unit to deliver long treatment times without overheating.

A Range of Filters and Applicators

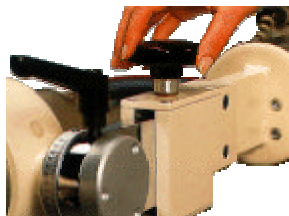
A lead filter for warm-up and eight Al/Cu filters, offering a wide range of beam characteristics, are standard with the **Therapax** unit. A range of applicator cones, manufactured to the highest specifications, are supplied to provide treatments at 15cm and 25cm SSD. In addition, custom filters and applicators can be made to suit the specific needs of most superficial treatments.



Papillon applicator

Easy to Position

The rugged, easy-to-position tube stand rotates against the wall when not in use, and the entire unit fits easily into small treatment rooms. The **Therapax** tube stand allows motion in six planes, providing complete flexibility even for the most difficult positioning. Electromagnetic locks combined with friction levers are easily adjusted by the operator. For treatment setups in difficult areas, such as the eyelid, a fine adjustment control allows for precision, safety and comfort.



The Papillon Technique



**Superficial Treatment:
X-Ray Tube Range**

Features

- Microprocessor-based control console
- Automatic X-ray tube warm-up
- Backup timer safety system
- Encoded filters automatically select kV and mA
- Beryllium window, metal ceramic X-ray tube operates from 20kV to 150kV
- System status continually monitored and adjusted
- Digital displays of all operating parameters

Operating Parameters

| | |
|-----------------------|---|
| | increments |
| Exposure Timer | 0.00 to 99.90 mins, in 0.01 minute increments |
| Treatment Filters | 8 preset and 1 warm-up filter |
| Treatment Applicators | Cylinders (15cm SSD): 1.0,1.5, 2.0, 2.5, 3.0, 4.0, 5.0 cm dia. Cones (25cm SSD): 10, 15,19cm dia. |
| Tube Head Movement | Angular: +/- 45° Rotational: +/- 180° |
| Tube Stand Travel | Lateral:12" maximum Longitudinal: 72" typical Vertical: 24" to 70" typical Rotational: +/- 90° stops |

Power Specifications

| | |
|----------------|--|
| Line Voltage | 208 to 480V, single-phase or phase-to-phase, +/- 10% fluctuation |
| Line Frequency | 47 to 63Hz |
| Input Power | 8kVA maximum |
| Output Power | 3kW |

Standard Tube Specifications

| | |
|---------------------|---------------------------------|
| Model | MXR161 metal ceramic |
| Focal Spot Size | 3mm x 7mm |
| Beam Emission Angle | 40° |
| Inherent Filtration | 2mm Beryllium |
| Water Cooling | 4 liters/min. minimum |
| Leakage | < 1.0mGy/h @ 1m from focal spot |

Standard Treatment Filter Set*

| Filter | kV | mA | Material |
|--------|-----|------|-----------------|
| 1 | 30 | 7.6 | 0.4 Al |
| 2 | 40 | 8.6 | 0.6 Al |
| 3 | 50 | 30.0 | 0.4 Al |
| 4 | 80 | 4.0 | 0.8 Al |
| 5 | 80 | 8.0 | 2.0 Al |
| 6 | 100 | 10.5 | 1.8 Al + 0.1 Cu |
| 7 | 120 | 11.2 | 1.1 Al + 0.3 Cu |

| | | | |
|------|-----|------|-----------------|
| 8 | 150 | 13.2 | 0.2 Al + 1.0 Cu |
| w.u. | 150 | 13.2 | 5.0 Pb |

*Other HVL values and applicators are available options

Dimensions

| | Height | Length | Depth | Diameter | Approx. Weight |
|---------------------|-----------------|----------------|----------------|----------------|--------------------|
| Operator's Console | 191mm 7.5" | 487mm 19.2" | 430mm 16.9" | – | 15 kg. 33 lbs. |
| Electronics Cabinet | 775mm 30.5" | 525mm 20.7" | 530mm 20.9" | – | 145 kg 319 lbs. |
| Water Cooler | 675mm 26.6" | 330mm 13.0" | 730mm 28.7" | – | 80 kg 176 lbs. |
| HT Generator | 1373mm 54.1" | – | – | 380mm 15.0" | 100 kg 220 lbs. |
| X-Ray Tube | 279mm 11.0" | – | – | 100mm 3.9" | 8 kg 18 lbs. |

© Elimpex-Medizintechnik, Spechtgasse 32, A-2340 Moedling, Austria
 phone +43-2236-410450
 fax +43-2236-410459

