



Radiation Products Design, Inc.

Item 623- Film Dosimetry Cassette Instructions For Film Dosimetry Cassette:

1. Use a Philips screw driver and loosen all screws 1 or 2 turns; it is not necessary to remove the screws. Drop an 8" x 10" film in cassette (or 10" x 12" depending on model being used). The film will be aligned flush with top surface as it will rest on internal pegs which are positioned for proper alignment. Tighten screws gently; over tightening may cause warping.
2. Three sides of the unit are made light tight by tightening the screws which compress a rubber seal. The remaining edge is made light tight by using opaque tape to seal the top edge. (Radiation Products Design Item 123-300 Opaque Photographic Paper Tape) For proper orientation, the top edge is chamfered on one side and on that side is a light hole at the bottom edge of the cassette. This puts a permanent reference mark on the film.
3. After using, remove film. When not in use, the screws should be left loose to reduce the possibility of warping and to prevent permanent compression of rubber seal.

NOTE: Do not store cassette with tape on as tape adhesive may harden or become permanently attached to cassette.

If using RP-V 10" x 12" film, the film can be cut down to 10" x 8" (in dark room) for use in smaller cassettes.

It is the user's responsibility to verify that the film data obtained is correct by making appropriate ion chamber measurements for the material being used. Approximate density for the various film phantoms are as follows:

ABS Styrene - 1.04 g/cm³
Acrylic - 1.17 -1.20 g/cm³
Solid Water - 1.015 g/cm³

5218 Barthel Industrial Drive NE – Albertville, MN 55301
Phone: 763-497-2071 or 800-497-2071 Fax: 763-497-2295



Radiation Products Design, Inc.

**5218 Barthel Industrial Drive NE – Albertville, MN 55301
Phone: 763-497-2071 or 800-497-2071 Fax: 763-497-2295**