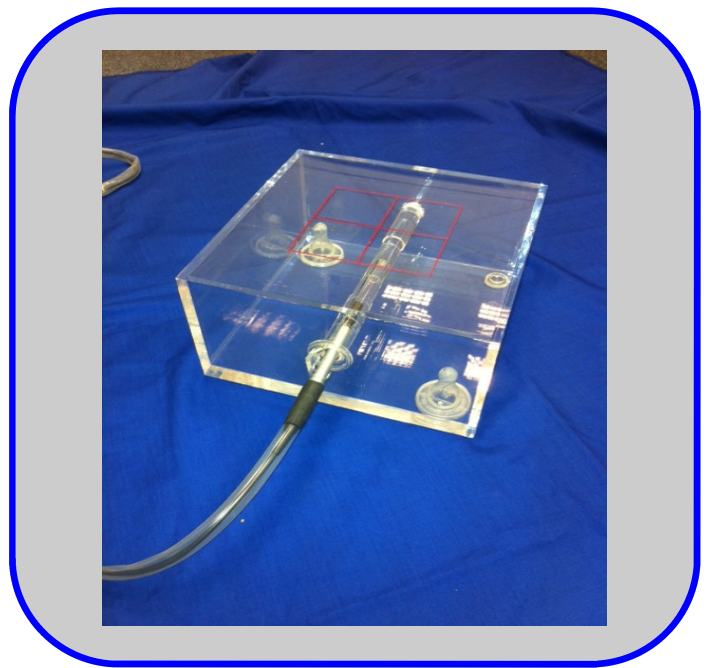
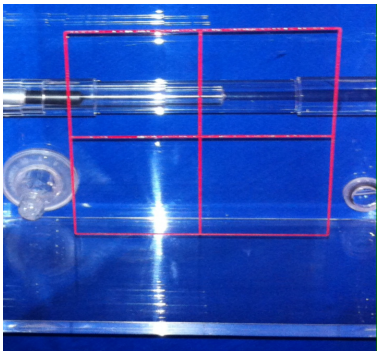


NE2528/3 Small Water Phantom

The NE2528/3 is a small portable water phantom comprising a strong "Perspex" (Polymethyl methacrylate) box containing a transverse tubular sleeve into which the 0.6cc Farmer Ionisation Chamber 2505/3 fits. The centre of the chamber volume aligns exactly with the intersection point of reference lines engraved on the beam entrance side of the box. A small sprung clip prevents the chamber moving during use. The useful energy range is 150kV to 10MV.

The phantom should be placed in the treatment room several hours before the measurements to allow the water to reach room temperature. Simply position the phantom in the radiation beam and align the beam axis with the chamber centre of volume with the help of the cross hairs engraved on the front. Then set the source skin distance SSD (or FSD) to the value used on the particular therapy machine (e.g. 100cm, 60cm) and the field dimensions to the size which has been chosen to be the reference value (e.g. 10x10cm).



Dimensions	
Internal Height	200mm
Internal Width	200mm
Internal Depth	100mm
Wall Thickness front Beam Entrance -Back -Top, Base and Sides	3.2mm 12.7mm 6.4mm
Thickness of wall surrounding chamber thimble	4.6mm
Distance of wall surrounding chamber thimble	50mm (Water equivalent)
Weight Empty Weight Full	1.5kg approx 5.5kg approx