

Best[®]
Theratronics



Raycell[®] X40
X-ray Research Irradiator

Technical Specifications

Weight		Photon Energy
1190 kg (2624 lbs)		160 keV max, ~50 keV effective energy
Floor Point Loading		Cooling System
84 kg/cm ² (1200 lbs/in ²)		Self-contained cooling system — no external water required *
Dimensions		Electrical Requirements
Height	1524 mm (60 in)	Single-phase 60 Hz, 60A typically at 240V
Width	1450 mm (57 in)	Three-phase 50 Hz, 25A typically at 400V
Depth with shelf	1000 mm (40 in)	Environmental Requirements
Depth without shelf	800 mm (32 in)	Temperature: 10°–30°C (50°–86°F); Relative Humidity: 5%–75%

Canister Features	
Volume	8.0 L
Diameter	305 mm (12 in)
Height	102 mm (4 in)
Central Dose Rate	~1.5 Gy/min
Dose Uniformity	+/- 10% over entire 8.0 L canister
RadDisk Ultra with absolute filter	10 included with new unit purchase

* Requires additional power connection — single phase, 100V – 240V, 500W typically.

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