

(Model RPR-100)



FEATURES: Safety -- No water cooling required. Normal operating temperature is approximately 35°C with fan in operation. Without the fan the temperature is approximately 60-70°C.

No dangerous High Voltage used. This unit plugs into convenient 110/120 AC current, 50/60 cycle. Reactor will operate for overseas operation.

ECONOMICAL: Long lamp life. Lamp life approximately 3000 hrs. /2537A° lamps.

Intense source of ultraviolet light. (approx 1.65×10^{16} Photons/sec/cm³ at 2537A°)

VERSATILE: 7 interchangeable light sources available to cover the ultraviolet spectrum. 1849/2537A° - 2537A° - 3000A° - 3800A° - 4190A° - 5750A°

Model 100 is equipped with 2 built in support rod holders that accept standard 1/2 inch laboratory rods.

Internal Power Outlet located in the chamber for any accessories up to 200 watts.

SPECIFICATIONS:

Model RPR-100 -- Compact 16" high, 12" square. Reactor Barrel is 10" in diameter, 15" deep. The unit weighs approximately 25 lbs. Ultraviolet lamps, convenience outlet, and fans are controlled by switches on control panel. The finish is attractive powdered coated enamel. It operates on 110/277V, 50/60 cycle. Total current consumption is approximately 400 watts.

RPR-2537A° LAMPS AS USED IN THE RAYONET REACTOR

Watts of 2537A° ultraviolet -- 35 watts approx. Photos of 2537A° ultraviolet -- 1.65×10^{16} sec/cm³. Intensity readings in Microwatts/cm² at:

Wave Length (A°)	Center	2 Inches From Lamps	1.5 Inches From Lamps
2537	12800	16000	21000
2652	388	488	640
2804	14	16	21
2894	18	22	29
2967	66	83	109
3022	32	40	52
3129	250	313	411
3654	213	267	351
4047	250	316	416
4359	768	960	1260
5461	418	523	687
5780	91	113	149