



PT-90
PHOTO CHEMICAL REACTOR

PT-90, PT-92 & PT-93

Photochemical reactors are used for:

- Chemical Synthesis: Producing compounds via light-induced reactions, including pharmaceuticals.
- Environmental Studies: Degrading pollutants and treating water and air.
- Photocatalysis: Enhancing reactions with light-activated catalysts for green chemistry.
- Material Science: Developing and testing light-responsive materials like photoresists and polymers.
- Biochemical Research: Studying light-induced processes in biological systems.
- Water Treatment: Disinfecting and purifying water with UV light.
- Solar Energy Research: Improving solar cells and solar fuel production.

PT-90 PHOTO CHEMICAL REACTOR

(Srinivasan - Griffin - Rayonet Type) The reactor comprises of 8 ultraviolet tubes, fitted in a heavy metal enclosure with a stainless steel highly polished reflector. Two clamping rods are provided for holding the suspended glass reactor. A cooling fan is provided at the base of the reactor. Complete with switches, indicator lights, plug and cord. A magnetic stirrer is provided for continuous stirring during radiation, complete with two pieces of teflon coated magnetic rotors.

(HSN-90275090) 42950-00/-

PT-92 QUARTZ TUBE

With B-19 socket sealed at the bottom, length 50 cm., dia. 25 mm. For use with reactor PT-90

(HSN-70171000) 7250-00/-

PT-93 BOROSILICATE GLASS TUBE

With B-19 socket sealed at the bottom, length 50 cm., dia. 25 mm. For use with reactor PT-90.

(HSN-70179090) 975-00/-

PT-96, 97, 98 PHOTO CHEMICAL REACTOR ASSEMBLY

MODEL	DESCRIPTION	RATE
PT-96	Comprising of a transparent quartz probe with B-45 cone with outer jacket of borosilicate glass having B-45 socket and a B-75 cone fitted with inlet and outlet tubes. A cooling jacket of borosilicate glass with B-75 socket with inlet and outlet tubes is also provided. Capacity : 100 ml. or 200 ml.	29950-00/-
	(HSN-70179090)	
PT-97	It is similar to model PT-96, but complete assembly including the probe is made of borosilicate glass.	7950-00/-
	(HSN-70179090)	
PT-98	Comprising of a transparent quartz probe with B-45 cone. An outer jacket of borosilicate glass with B-45 socket, inlet and outlet tube is provided.	24950-00/-
	(HSN-70179090)	
PT-100	ULTRA VIOLET LAMP	
	(125 watt) With choke for photo chemical reactor assemblies no. PT-96, PT-97 and PT-98.	3950-00 /-
	(HSN-853931)	
PT-100/05	ULTRA VIOLET LAMP	
	(125 watt) For above.	1750-00/-