



**UV / VIS - PHOTOCHEMICAL REACTOR (Model : FLX-01)**

The reactor comprises of 8 ultraviolet tubes & 2 visible tubes, fitted in a heavy ,quality fabricated MS sheet enclosure with a stainless mirror finish buffing reflector to reflect max light intensity on reaction solvent contained in Quartz tube. Single chrome plated with brass jaw (adjustable ) clamp is provided for holding the suspended **glass or quartz tube reactor**. A cooling fan is provided at the base of the reactor. Complete with switches, indicator lights, plug and cord. Reactor provided with Digital temperature indicator to know the actual reaction temperature.A magnetic stirrer is provided for continuous stirring during radiation, complete with two pieces of PTFE coated magnetic rotors.

**FEATURES:** | **Safety**-No water cooling required. Normal operating temp is approx 35°C with fan in operation. Without fan temp is approx 60°C. No dangerous high voltage is generated or used. This unit plugs into convenient 230 volts 50Hz and also can be plugged into 120/110 AC 60 Hz (optional ) for overseas operation. | **Long life lamp**, approximately 3000 hrs /253.7 nm lamps .Intense source of ultraviolet light ( approx  $1.65 \times 10^{16}$  photons /sec/cm<sup>3</sup> at 253.7 nm) | **Versatile**: 8 interchangeable light source to cover the UV spectra & 2 interchangeable light source for visible spectra. | **Size** : 600 mm (H) X 480 mm (W) X 480 mm (D)

**UV tubes** : 8 nos low pressure (254nm) 8 watts ,12" & 2 nos 8 watts 12" visible tubes,230 v operated.

**OPTIONAL** : Light sources like low pressure ,medium pressure & High pressure (UV ,VISIBLE ) with various wavelength and intensities (watts) can be replaced as per the customers request and discussion.

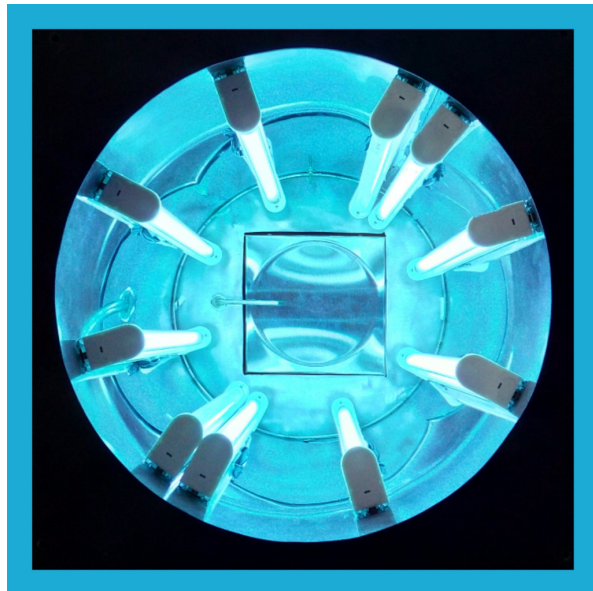
**QUARTZ TUBE:** Can be any volume capacity 10 ml to 1000 ml can be insert in the reactor (optional)

**Useful for:**

- PG , PhD level studies in Colleges ,
- Universities
- R&D Labs in pharma ,chemical & pesticides manufacturing companies.

Model :FLX - 01

UV-254 NM SOURCE IMAGE



UV-352 NM SOURCE IMAGE

