

Pilot Photo-Reactor Systems

Photo-Reactor Systems are used to carry out reactions in the presence of UV light instead of heat. The Vessel for Heating of Reaction Mixture has provision of Gas Sparger and thermowell for Temperature Measurement. Flame-proof high pressure UV light sources are provided around the column, where the photo-reaction takes place. Because of the Exothermic nature of the reaction, part of the reaction mixture will be vaporized. Vapors from the column will get condensed and cooled in the condenser. Liquid from the condenser will get collected in the collection pot and will be sent back as reflux to the column.

This standard system can be customized for various capacities and reactions, right from R&D, laboratory scale to Pilot Scale.

Types of Photo-reactors:

- Deep temperature Photo-Reactor
- Agitated GL Photo-Reactor
- Immersion Type Photo-Reactor
- Photo-Chlorination Reactor
- Mini Plant Lab Reactor

Applications:

- Production of Vitamins
- Photo-polymerisation
- Isomerization
- Photo-chlorination of C-PVC
- Advanced Oxidation Processes
- De-Sulfonation and Sulfoxidation
- Waste Water treatment



Ablaze Glass Works Pvt. Ltd.

E-52/2, Sardar Industrial Estate,
Ajwa Road, Vadodara - 390019, Gujarat
Email: marketing@ablazeglassworks.com
Contact: +91 265 2572420