HANU reactor

Kilogram photochemistry made easy

Main unique features

- Intense mixing at all flow rates
- Efficient photon input
- Linearly scalable
**Working principle**

The static mixing elements enforce a split and recombine of the process stream. A superimposed pulse dramatically improves turbulence and consequently mass and heat transfer, and ensures a narrow residence time distribution.

The resulting intense film refreshing and large specific irradiated area guarantee an efficient photon use. The reactor design allows a linear scale-up and the low pressure drop makes high-throughput operations feasible.

**SPECIFICATIONS**

- Internal volume: 15 mL
- Temperature range: -20°C to 80°C
- Maximum operating pressure: 10 bar
- Reactor window: Borosilicate, quartz
- Reactor material: Stainless steel, Hastelloy®, coated stainless steel
- Polymeric material: PTFE, FEP

For pricing information and to place an order, contact sales@creaflow.be