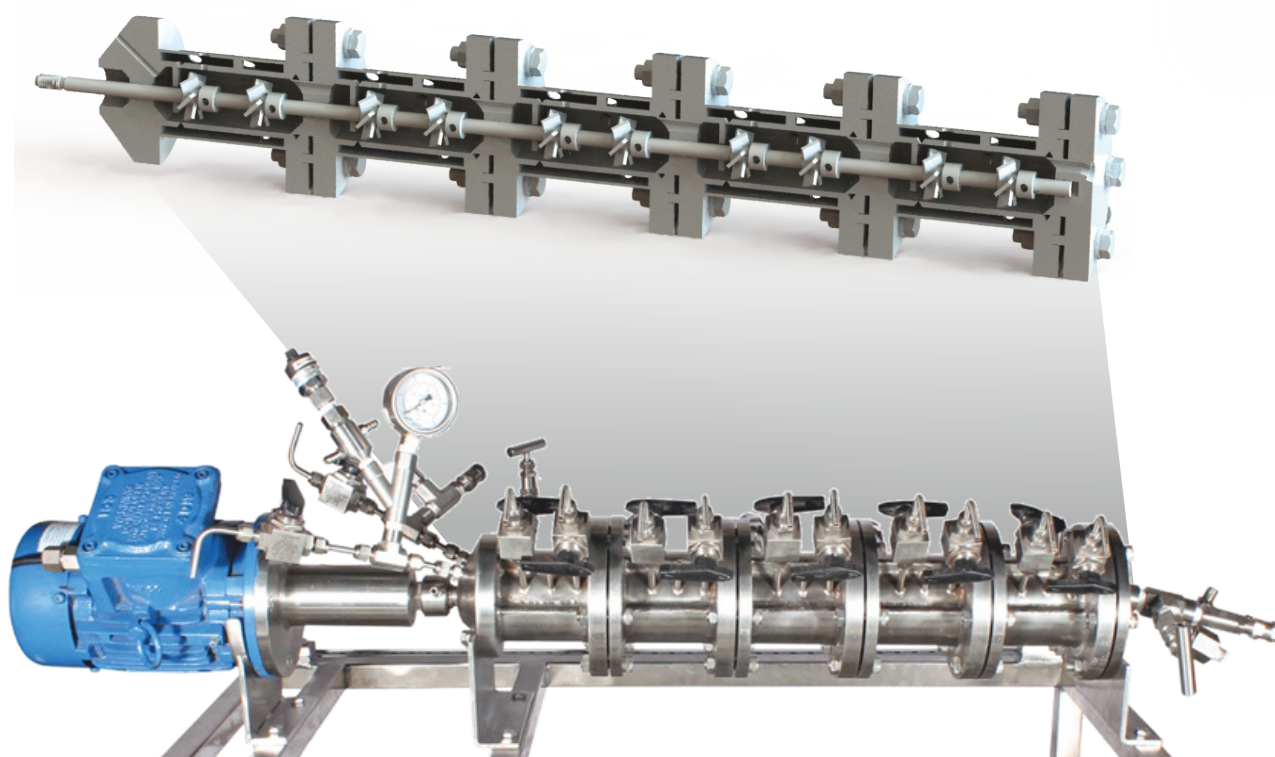


# SlurryFLO™ Reactor

The SlurryFLO® Reactor is a versatile continuous reactor designed for performing reactions involving slurries



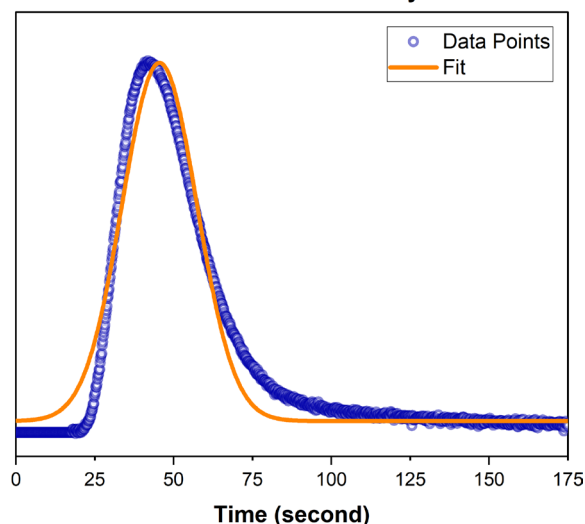
Each cell is equipped with impellers which help to disperse reaction media uniformly. Efficient slurry mixing helps distributing the heat generated during the reaction, prevents localized heating, and provides uniform temperature throughout the reactor.

- Volume: 250 mL to 50 L
- Flow Rates: Up to 300 LPH
- Pressure Range: up to 100 bar
- Temperature Range: -30°C to 250°C
- Material: SS316, Hastelloy C, Glass with Metal

## APPLICATIONS

- Excellent for heterogeneously catalyzed reactions with finely dispersed catalysts
- Reactions such as Hydrogenations, Nucleophilic substitutions, Aldol condensations, Esterifications
- Continuous crystallizations (evaporative/antisolvent/cooling) with uniform crystal-size distribution

Residence Time Distribution for SlurryFLO™ Reactor



The reactor houses several cells of equal volume in series and thus closely approximates a plug flow reactor