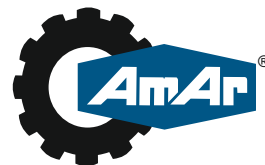


MACFLO™ Reactor

The patented MACFLO™ reactor is a multipurpose reactor engineered for a variety of challenging flow applications



MACFLO™ - **M**ultiphasic **A**gitated **C**ontactor covers a wide range of flow reactions. Engineered for diverse chemistries, it excels in gas-liquid-solid reactions and processes that involve viscous fluids while demonstrating a plug-flow type behaviour.

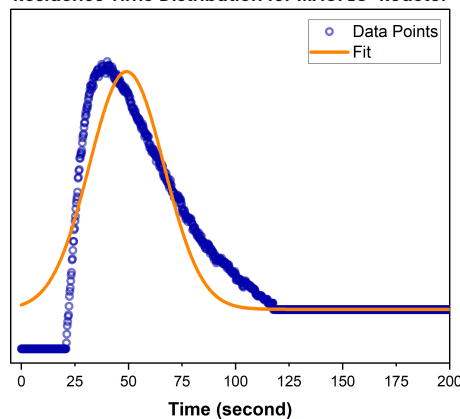
Unleash innovation and efficiency in your research with the MACFLO™ reactor.

- **Volume:** 250mL to 50L
- **Flow rates:** Up to 300 LPH
- **Pressure:** Up to 350 bar
- **Temperature:** -30°C to 350°C
- **Material:** SS316, Hastelloy C, etc

APPLICATIONS

- Reactions involving slurries, viscous fluids, gas-liquid-solid contacting, fast exothermic reactions, long residence time reactions, and even continuous crystallizations

Residence Time Distribution for MACFLO™ Reactor



It is an agitated horizontal flow reactor without partitions yet with very narrow residence time distributions almost exhibiting plug flow behaviour