



A flow cell reactor, also known as a flow reactor or continuous flow reactor, is a device used to conduct chemical reactions in a continuous flow rather than in a batch process. This type of reactor is increasingly popular in various fields such as organic synthesis, pharmaceuticals, and materials science due to its numerous advantages over traditional batch reactors.

SPECIFICATION

Frequency (kHz)	20	
Power (Watt)	150,250,500,750,1000,2000,2500,3000	
Probe / Sonotrode (mm)	Design as per the customized application	
Actual Weight	Approx. 22 Kg	Approx. 30 Kg
2 Box	Generator	Flow Cells
Actual Size (L X W X H)	Approx. (483 x 458 x 238) mm	Approx. (311 x 311 x 703) mm
Packaging Type and Size	Corrugated Box and Approx. Size (581 x 556 x 336) mm	Corrugated Box & Approx. Size (409 x 409 x 801) mm

Operational Requirement

Input Power Supply	AC 230V 50/60Hz, 16Amp
CVT / Stabilizers	If the voltage is unstable then use CVT / Stabilizer to avoid damage

FEATURES

1. Continuous Flow Operation
2. Enhanced Mixing and Mass Transfer
3. Precise Control over Reaction Conditions

ADVANTAGES

Enhanced Mixing and Heat Transfer : The small dimensions and continuous flow improve mixing and heat transfer, leading to more efficient reactions.

Safety : Continuous flow systems can handle hazardous reactions more safely by limiting the amount of hazardous material in the reactor at any given time.

Scalability: Processes developed in small-scale flow reactors can often be scaled up more easily than batch processes.

Reduced Reaction Time: Increased efficiency and controlled conditions often result in faster reactions.

APPLICATION

- ◆ Accelerate Chemical Reaction
- ◆ Alcohol
- ◆ Aloe vera Gel
- ◆ Beverages
- ◆ Chocolate Emulsion
- ◆ Compact Powder
- ◆ Cornstarch
- ◆ Honey & Cream
- ◆ Liquid Syrup
- ◆ Lotion
- ◆ Mayonnaise
- ◆ Mint Oil
- ◆ Organic Cream
- ◆ Cosmetic Powder
- ◆ Cosmetic Product
- ◆ Cumin Oil
- ◆ Face Cream
- ◆ Fragrance Oil
- ◆ Herbal Oil
- ◆ Palm Oil
- ◆ Protein Extraction
- ◆ Saffron Extraction
- ◆ Solid In Water
- ◆ Soybean Powder
- ◆ Tomato Sauce



Face Cream



Aloe vera Gel



Cosmetic Powder



Cosmetic Product



Palm Oil



Mayonnaise



Fragrance Oil



Organic Cream



Lotion



Honey & Cream



Liquid Syrup



Herbal Oil



Mint Oil



Soybean Powder



Cornstarch





Compact Powder



Chocolate Emulsion



Cumin Oil



Beverages



Tomato Sauce



Solid In Water



Accelerate Chemical Reaction



Alcohol



Protein Extraction



Saffron Extraction



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