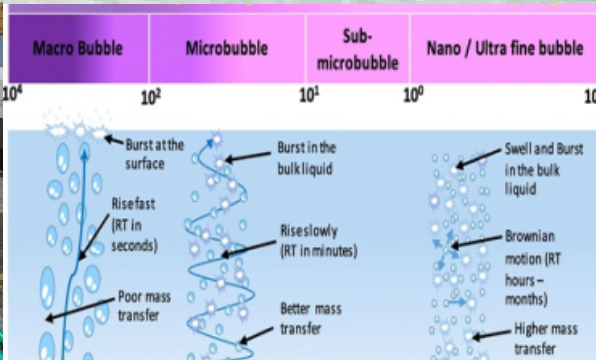


DeBru Micro Nano Bubble pump

A micro nano bubble pump is a specialized device designed to generate and inject extremely small bubbles, typically on the micro or nano scale, into a liquid medium. These pumps are used in various industries for applications such as water treatment, wastewater remediation, aquaculture, food processing, and pharmaceutical manufacturing.



Cavitation

- Enhanced mass transfer
- Uniform bubble distribution
- Reduced energy consumption
- Improved mixing
- Increased process efficiency
- Scale-down possibilities
- Micro/nano bubble generation

Diffusion

- Bubble distribution
- Bubble stability
- Bubble size control
- Bubble residence time
- Mass transfer

Application

- Water and wastewater treatment
- Hydroponics and Aquaponics
- Flotation
- Aquaculture
- Food and beverage processing
- Medical and pharmaceutical
- Soil remediation
- Oil and gas industry
- Cleaning and Disinfection



Air Flotation

- Enhanced particle attachment
- Reduced residence time
- Improved separation efficiency
- Lower energy consumption

Specially in-house sintered Zirconium ceramic diffuser for a low density and high honeycomb index.

- MiNa Diffuser Dia -12.5/25(50mm*75mm)
- MiNa Diffuser Dia 37.5 mm & 50mm(50mm*150/225mm)