Gas-Liquid Mixing Pump for DAF and Microbubble Generation

This gas-liquid mixing pump is designed for dissolved air flotation (DAF) applications and microbubble generation. It utilizes a regenerative turbine pump mechanism for efficient mixing and transfer of gas and liquid phases.

Product Overview

High-Efficiency Gas-Liquid Mixing

This regenerative turbine pump is specifically engineered for DAF (Dissolved Air Flotation) and microbubble generation. It excels at mixing and transferring gas-liquid phases with a gas-liquid ratio of 1:9. Built for demanding environments, it handles thin, clean, low-viscosity liquids and is suitable for continuous operation and applications with abrupt hydraulic pressure variations.

Operating Conditions

Liquid Temperature Range	-15°C to +120°C
Maximum Ambient Temperature	40 °C
Gas-Liquid Ratio	1:9 (8-10% gas suction volume)
Port Orientation	Inlet: Horizontal, Outlet: Vertical

Technical Specifications

Performance Data

Model	Head (m)	Flow (m^3/h)	Motor (KW)
20GLM-1	40	1	0.55
25GLM-2	40	2	1.1
40GLM-6	40	6	3
50GLM-12	50	12	5.5

Rotation Speed	2900 r/min

Applications

Primary Applications

- Air suspension treating equipment
- Ozone water preparing equipment
- Biological treating equipment
- Heating and cooling medium feeding
- Misting treatment of chemical and waste solutions
- High-pressure water injection
- Suction from vacuum tanks