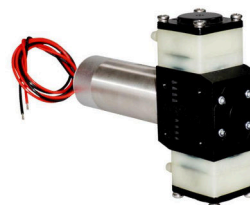


BD - 05TF Series - Micro Diaphragm Gas-Liquid Pump

Model:BD-05TF1500WBD

Performance Data	
Model	BD-05TF1500WBD
Voltage Option	12V/24V
Free Water Flow	750mL/min X 2
Max Water Pressure	2.5bar X 2
Water Pressure Head	>15m
Water Suction Head	6m
Free Gas Flow	3.5L/min X 2
Max Gas Pressure	+80kPa
Max Gas Vacuum	-50kPa
Motor Data	
Motor Type	DC Brushless Motor
Max Power	15W
Physical Properties	
Ambient Temperature	5℃~40℃
Fluid Temperature	5℃~60℃
Material/Other	
Hose Suggest	ID6mm, OD8mm
Head of pump	PA66
Diaphragm	EPDM
Valve	EPDM
Wet Material	PA+EPDM+EPDM
Noise	55dB
Lifetime	10000H
Dimension	108x29.8x89.6mm
Weight	280g



Features

Oil-free, self-priming, gas-liquid compatible, low noise, dry-running capable, compact size, low vibration, long service life.

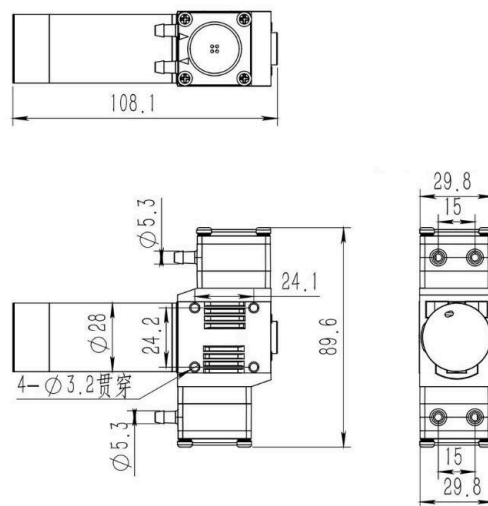
Principle

Driven by a motor, the diaphragm reciprocates to create suction and discharge cycles through check valves for stable gas and liquid transfer. Chemical resistance.

Chemical Resistance

Customizable PTFE diaphragm, and FFPM valves provide excellent resistance to corrosive gases and liquids.

Drawing(mm)



Installation & Usage Notes

1. Install a filter with a minimum filtration accuracy of $\leq 30 \mu\text{m}$ at the pump inlet to prevent particle ingress
2. Drill 4- $\Phi 3.2$ mm holes at the bottom. Use M4 self-tapping screws or M4 screws to secure the board installation.
4. Wiring Definition: Red wire: Positive (+); Black wire: Negative (-);

Application Fields

Digital printing equipment
Biochemical analyzers
Microplate washing equipment
Chemical analysis systems
Liquid sampling devices
Cleaning & Disinfection