

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

Model:BD-05TF200W

| Performance Data | |
|---------------------|-------------------|
| Model | BD-05TF200W |
| Voltage Option | 6V/12/24V |
| Free Water Flow | 200mL/min |
| Max Water Pressure | 8bar |
| Water Pressure Head | >15m |
| Water Suction Head | 5m |
| Max Vacuum | -35kPa |
| Motor Data | |
| Motor Type | DC Brush Motor |
| Max Power | 12W |
| Physical Properties | |
| Ambient Temperature | 5°C~40°C |
| Fluid Temperature | 10°C~80°C |
| Material/Other | |
| Hose Suggest | ID4mm, OD6mm |
| Head of pump | PA66 |
| Diaphragm | EPDM |
| Valve | EPDM |
| Noise | 55dB |
| Lifetime | 3000H |
| Dimension | 120.1x31.2x63.5mm |
| Weight | 430g |

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.Bottom mounting: 4xM3 holes (depth 5.6 mm), recommended to use M3 self-tapping screws for through-board fixation
- 3.Side mounting: 2xR1.7 mm through holes, use M3 screws for through-board installation and secure fixation



Features

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

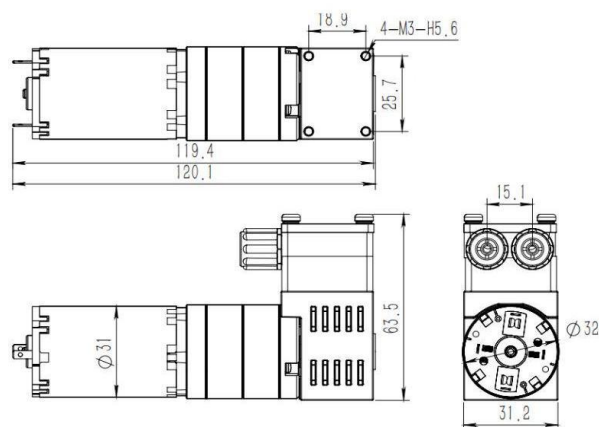
Principle

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 PPS pump head, PTFE diaphragm, and FFPM valves provide excellent resistance to corrosive gases and liquids.

Drawing(mm)



Application Fields

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