

BD - 05TFG Series - Micro Gear Pump

Model:BD-05TFG1.5LB

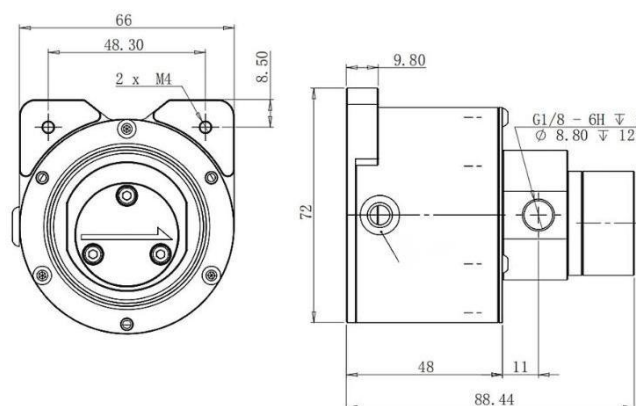
Performance Data	
Model	BD-05TFG1.5LB
Voltage	24V DC
Drive Method	Magnetic Drive
Maximum Liquid Flow Rate	1.5 L/min (Displacement × Speed)
Displacement	0.33 mL/rev
Maximum Outlet Pressure	5bar
Motor Data	
Motor type	Brushless DC Motor
Speed Control Input	0-5V DC
Speed Range	500 – 5,000 rpm
Power Consumption	40W
Insulation Class	Class B
Physical Properties	
Allowable Liquid Viscosity	<1,500 cP
Liquid Temperature Range	0–80°C
Material/Other	
Pump Body	316L Stainless Steel
Shaft	316L Stainless Steel
Gear	PEEK
Bearing	PEEK
Seal	PTFE
Gear Thickness	4.6 mm
Inlet/Outlet Port	G1/8
Noise Level	65 dB
Service Life	10,000 hours
Dimension	88.44*66*72mm
Weight	0.8kg



Features

- Stable and continuous liquid flow
- High-pressure delivery capability
- Precise and repeatable dosing
- Compact structure for easy integration
- Low flow pulsation and smooth operation

Drawing(mm)



Wiring Instructions

Red Wire: +24 V DC

Black Wire: Ground (GND)

Yellow Wire: 0 – 5 V Speed Control Input

Blue Wire: FG Speed Feedback Output (Square-Wave Signal)