

BD - 05TF Series - Micro Gear Pump

Model:BD-05TFG3LB

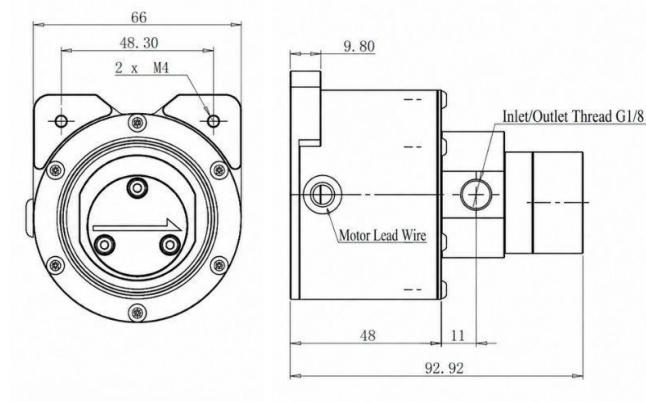
Performance Data	
Model	BD-05TFG3LB
Voltage	24V DC
Drive Method	Magnetic Drive
Maximum Liquid Flow Rate	3 L/min (Displacement × Speed)
Displacement	0.65 mL/rev
Maximum Outlet Pressure	5bar
Motor Data	
Motor type	Brushless DC Motor
Speed Control Input	0-5V DC
Speed Range	500 – 5000 rpm
Power Consumption	40W
Insulation Class	Class B
Physical Properties	
Allowable Liquid Viscosity	<1500 cP
Liquid Temperature Range	0–80°C
Material/Other	
Pump Body	316L Stainless Steel with DLC (Diamond-Like Carbon) Coating
Shaft	Tungsten Carbide
Gear	Tungsten Carbide
Shaft Bushings	Tungsten Carbide
Seal	PTFE
Inlet/Outlet Port	G1/8
Noise Level	65 dB
Service Life	10000 hours
Dimension	92.92*66*72mm
Weight	0.9kg



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)