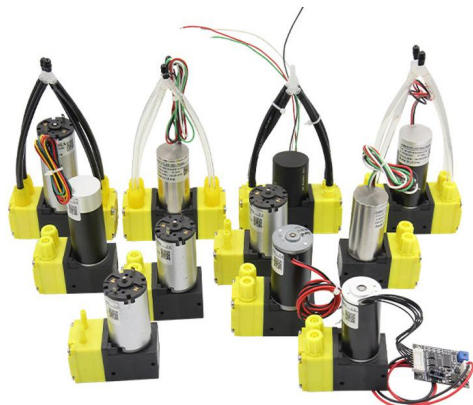




GP DC Miniature Diaphragm Pump

Quality OEM Electric Diaphragm Liquid Pump Series B

>> Product Outlook



>> Specifications

Flow Rate	500-1400ml/min	Suction Head	5M
Pressure	3-10Bar	Noise Level	≤55dBA
No-load Current	0.2A	Load Current	0.3A
Operating Temperature	0~40℃	Relative Humidity	≤80%
Futures	Low noise, Maintenance-free, Compact size, Long lifespan, Continuous operation		
Motor Type Option	Brush DC Motor 2000 hours; DC L Motor ≥ 3500 hours; BLDC Motor ≥ 20000 hours		
Note: The above parameters are currently available options. For additional requirements or any custom solution, please contact customer service!			

>> Diaphragm Selection

Material	Performance
EPDM	Good resistance to alcohols, acids, bases, oxidants, ketones, and esters; poor oil resistance.
HNBA	Excellent oil resistance, corrosion resistance, ozone resistance, alcohol resistance, low-temperature resistance, and high-temperature resistance. (Poor resistance to alcohols, esters, and aromatic refrigerants.)
FKM	Non-stick, high polarity, corrosion-resistant; shorter lifespan compared to EPDM.
FFKM	Temperature range from -10℃ to 230℃; excellent resistance to aggressive chemicals, including acids, bases, solvents, fuels, and steam. Suitable for highly reactive substances.

>> Configuration Details

Motor Type	Brush DC Motor	Brush DC-L Motor	Brushless DC Motor (Internal Driver)	Brushless DC Motor (External Driver)
Diaphragm	EPDM		PTFE	
Valve Plate	EPDM	HNBR	FKM	FFKM
Lifetime	2000 hours	3500 hours	20000 hours	20000 hours
Pump Head	Engineering Plastic		PTFE	
Dimension	87*58*32	77*64*32 / 103*90*32	81*64*32 / 83*91*32	83*64*32 / 83*91*32
Weight	225g	208g / 320g	225g / 262g	230g / 263g

>> Design Options



Note1: offer a choice of single or dual pump heads.

When you select dual pump heads, it can be used as a dual input/output or a single output. When used as dual outputs, it can function as two pumps operating simultaneously. When used as a single output, the total flow rate increases. Please tell us what you need.

Note2: The pump head direction is freely adjustable.

Even after installation, the pump tubing direction can be adjusted by 90 degree via the pump head, allowing for convenient design and installation.





Wiring Method Brushless DC Motor	Two-wire Built-in	Red (+), Black (-)
	Three-wire Built-in	Red (+), Black (-), Yellow PWM (Pulse Width Modulation, 0-5V analog voltage control)
	Four-wire Built-in	Red (+), Black (-), Yellow PWM (Pulse Width Modulation, 0-5V analog voltage control), Green: Motor speed feedback
	Note: If PWM function is not required, connect the red and yellow wires together.	