



GP DC Miniature Diaphragm Pump

Quality OEM Electric Diaphragm Air Pump Series C

>> Product Outlook



>> Specifications

Positive Pressure	0.1~0.2MPa	Negative Pressure	-0.08~-0.06MPa
Air Flow Rate	6~10LPM	Noise Level	≤55dBA
Voltage	12/24V	Current	0.8/0.4A
Operating Temperature	0~40℃	Relative Humidity	≤80%
Futures	Low noise, Maintenance-free, Compact size, Long lifespan, Continuous operation		
Motor Type Choice	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-L Motor		Brushless DC Motor (Internal Driver)		Brushless DC Motor (External Driver)	
Diaphragm	EPDM		PTFE			
Pipe Mode	Series Connection	Parallel Connection	Series Connection	Parallel Connection	Series Connection	Parallel Connection
Valve Plate	EPDM	HNBR	FKM		FFKM	
Lifetime	3500 hours		20000 hours		20000 hours	
Pump Head	Engineering Plastic		PTFE			
Dimension	83*77*31		86*77*31		79*77*31	
Weight	260g	267g	260g		265g	

>> Specifications Sheet

Motor Type	Air Flow Rate	Negative Pressure	Voltage	Current
D1031-DCL/S	10LPM	-0.06MPa	12/24V	0.55/0.45A
D1031-DCL/P	7.5LPM	-0.075MPa	12/24V	0.60/0.35A
D1028-BLDC-I/S	10LPM	-0.06MPa	12/24V	0.75/0.40A
D1028-BLDC-I/P	6LPM	-0.085MPa	12/24V	0.80/0.35A
D1028-BLDC-E/S	10LPM	-0.06MPa	12/24V	0.75/0.40A
D1028-BLDC-E/P	6LPM	-0.085MPa	12/24V	0.80/0.35A

>> BLDC Motor / External Driver / Parallel