

Quality OEM Electric Diaphragm Air Pump Series C

>>	Product	Outlook
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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	ce 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.	
НИВА	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°C to 230°C; excellent resistance to aggressive chemicals, including acids, bases, solvents, fuels, and steam. Suitable for highly reactive substances.	

>> Specifications

>> Configuration Details

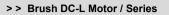
Motor Type	Brush DC-L Motor		Brushless DC Motor (Internal Driver)		Brushless DC Motor (External Driver)	
Diaphragm	EPDM		PTFE			
Pipe Mode	le Series Connection Parallel Connection Series Connection Parallel Connection		Series Connection	Parallel Connection		
Valve Plate	EPDM	HNBR	FKM		FFKM	
Lifetime	3500 hours		20000 hours		20000 hours	
Pump Head	Engineering Plastic		PTFE			
Dimension	83*77*31		86*77*31		79*77*31	
Weight	Weight 260g 267g 260g		26	5g		

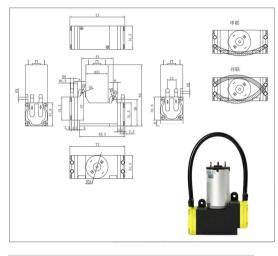
>> Specifications Sheet

Motor Type	Air Flow Rate	Negative Pressure Voltage		Current
D1031-DCL/S	10LPM	10LPM -0.06MPA 12/		0.55/0.45A
D1031-DCL/P	7.5LPM	-0.075MPA 12/24V		0.60/0.35A
D1028-BLDC-I/S	D1028-BLDC-I/S 10LPM		12/24V	0.75/0.40A
D1028-BLDC-I/P	1028-BLDC-I/P 6LPM -0.085MP		12/24V	0.80/0.35A
D1028-BLDC-E/S	3LDC-E/S 10LPM -0.06MPA 12/24		12/24V	0.75/0.40A
D1028-BLDC-E/P	E/P 6LPM -0.085MPA 12/24V 0.80/0.35		0.80/0.35A	

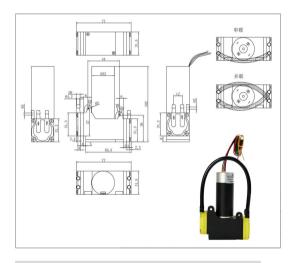




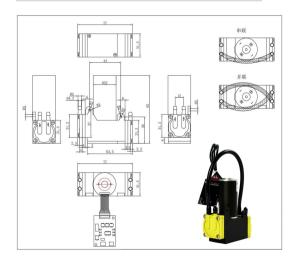




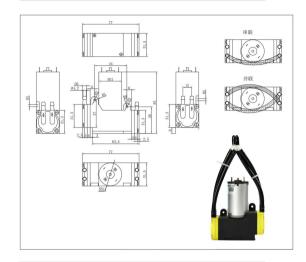
>> BLDC Motor / Internal Driver / Series



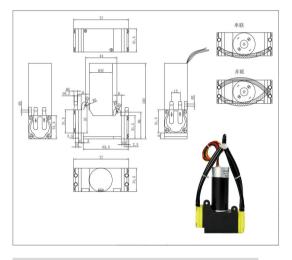
>> BLDC Motor / External Driver / Series



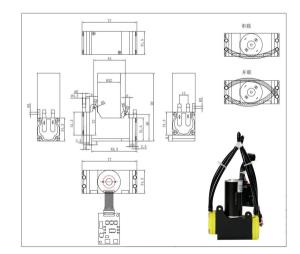
>> Brush DC-L Motor / Parallel



>> BLDC Motor / Internal Driver / Parallel



>> BLDC Motor / External Driver / Parallel



Wiring Method	Two-wire Built-in	Red (+)、Black (-)	
	Three-wire Built-in	Red (+)、Black (-)、Yellow PWM (Pulse Width Modulation, 0-5V analog voltage control)	
Brushless DC Motor	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.		