D08 Flow Control

Micro Vacuum Pump & Compressor



Datasheet





Highlights

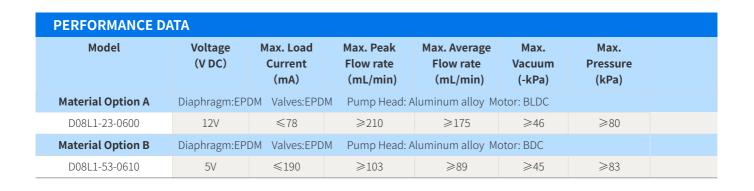
- Options for BLDC and BDC motor
- Long service life under max load
- Low electromagnetic interference
- Modular hose connector options
- High vacuum and pressure

- Very compact size
- Industrial-grade reliability
- Good air tightness
- Multiple self-protection
- Compact size

Applications

- Gas sampling
- Medical equipment
- Analytical instruments
- Portable device

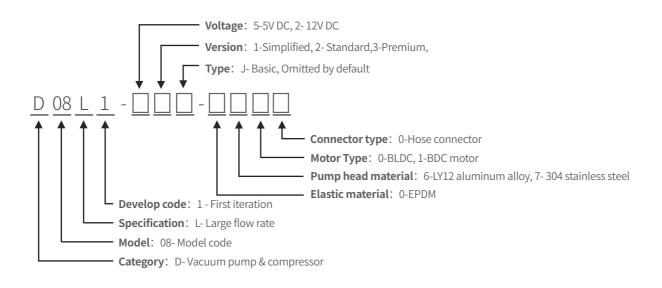
12K hours lifetime test

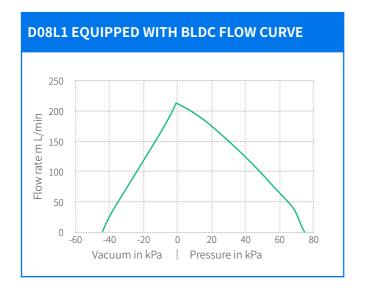


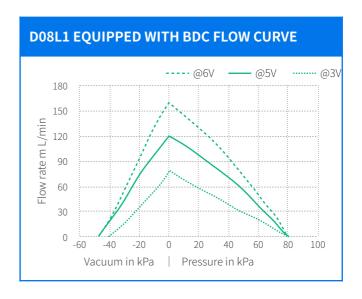
CONFIGRATION OPTIONS			
Material Options			
Pump Head	LY12 aluminum alloy		
Diaphragm	EPDM		
Valves	EPDM		
Motor	BLDC	BDC gear motor	
Connector Options			
	Default copper hose connector/ 304 stainless steel hose connector /		

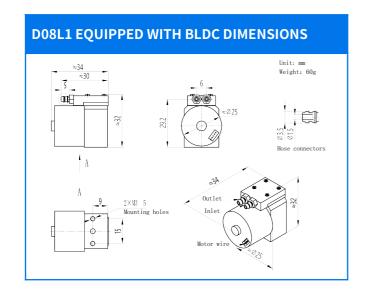
Models	D08L equipped with BLDC motor				
	1 11				
Versions	Premium	Standard	Simplified		
Fully Loaded Lifetime(hrs)	12000 (Estimated)	/	/		
Unloaded Lifetime (hrs)	18000	/	/		
Motor Lifetime (hrs)	20000	/	/		
Test conditions	In a clean and non-corrosive laboratory, the pump is fully loaded (the outlet is blocked, the inlet is directly connected to the atmosphere) or unloaded (the inlet and outlet are directly connected to the atmosphere), and runs continuously around the clock; ambient temperature: $5^{\circ}\text{C} \sim 33^{\circ}\text{C}$, relative humidity: 50% -85%, fluctuates with the climate.				
Models	D08L equipped with BDC gear motor				
Versions	Premium	Standard	Simplified		
Start and stop times	13000	/	/		
Test conditions	The inlet and outlet are directly connected to the atmosphere, the pump works under normal pressure, turn on for 2 minutes, stop for 1 minute, and continuous 24-hour cycle operation in the above-mentioned conditions.				
Working Condition					
Operating temperature	Permissible ambient temperature is 0°C \sim 50°C, it is not suitable to be exposed to the sun, and it should work in a clean and ventilated environmen				
Medium	Permissible temperature of the medium is 5°C~50°C, the transferring gas is allowed to be rich in water vapor, but cannot contain solid particles				
Wetted materials	EPDM, fiber reinforced nylon, tolerance to alcohol, acid, alkali, etc. (except strong acid, concentrated acid, lipids, benzene, gasoline, etc.)				

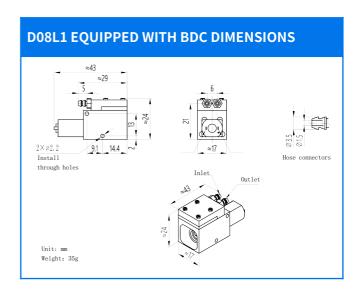
D08 MODEL KEY











ACCESSORIES		
Descriptions	Illustration	Function
Shock-isolation mounting feet		Reduce the impact of vibration on the equipment during the operation of the pump. This accessory comes with the some models of pumps*4
Filter	%	The 80-mesh filter protect both pumps and other upstream instrumentation and hydraulic circuits against particulate, crystals and fibers. It is recommended to replace it regularly. This accessory can be purchased on demand
Check valve	~	Enhance the cut-off capability of the gas circuit system to ensure one-way gas flow. This accessory can be purchased on demand
Flow stabilizer		Eliminate and reduce pulsation, make gas output smooth and stable, this accessory can be purchased on demand
Manual control valve		It can be used to manually adjust the gas flow rate, pressure and vacuum. This accessory can be purchased on demand
DC power adapter	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	220V AC to DC switching power supply, this accessory can be purchased on demand
Silencer		It is used to eliminate and reduce the airflow noise caused by pumping operation, this accessory can be purchased on demand







To be a driving force in innovation of human fluid technology

Create value for customers by offering high quality fluid solutions

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