D60 Flow Control

Micro Vacuum Pump & Compressor



Datasheet





Highlights

- Low electromagnetic interference
- Optional corrosion-resistant material
- Long service life under max load
- Modular pneumatic connection options
- Optional remote signal flow control
- Driven by BLDC motor
- Industrial-grade reliability
- Good air tightness
- ns Multiple self-protection
- Compact size

Applications

- Gas sampling
- Medical equipment
- Analytical instruments
- Pneumatic automation

10K hours lifetime test

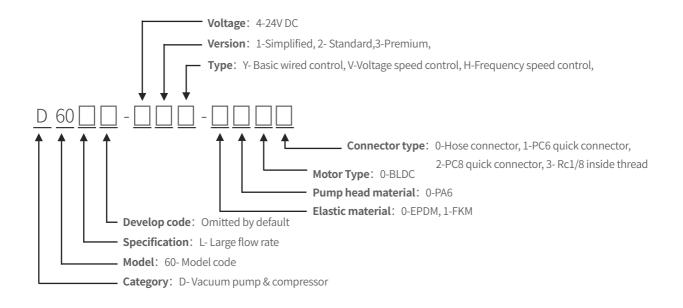


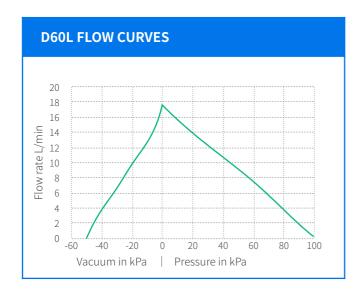
Model	Voltage (V DC)	Max. Load Current (mA)	Max. Peak Flow rate (L/min)	Max. Average Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)
terial Option A	Diaphragm:EPDM Valves:EPDM Pump Head: Fiber reinforced PA6					
D60L	24V	≤1.3A	≥26	≥18	≥50	≥100
	Note: The input voltage requires 24V±10%					
erial Option B	Diaphragm:FKM Valves:FKM Pump Head: Fiber reinforced nylon					
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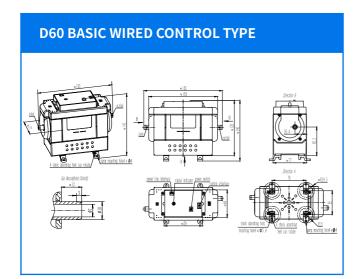
CONFIGRATION O	PTIONS			
Material Options				
Pump Head	Fiber reinforced F	PA6		
Diaphragm	EPDM	FKM		
Valves	EPDM	FKM		
Motor	BLDC			
Connector Options				
	Default PA hose connector/PP hose connector/Stainless steel hose connector/PC6 push-in quick connector/PC8 push-in quick connector/PA Rc1/8 inside thread			
Function Options				
	Basic wired control	Voltage speed control	Frequency speed control	

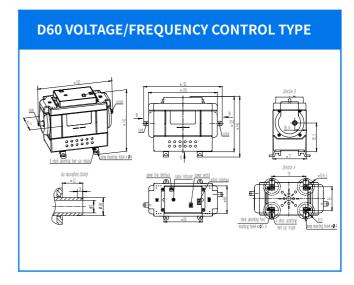
RELIABILITY DATA						
Models	D60L					
Versions	Simplified	Standard	Premium			
Fully Loaded Lifetime (hrs)	5000	7500	10000			
Unloaded Lifetime (hrs)	8000	12000	15000			
Motor Lifetime (hrs)	10000	15000	20000			
Test conditions	In a clean and non-corrosive laboratory, the pump is fully loaded (the outlet 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.					
Working Condition						
Operating temperature	Permissible ambient temperature is $0^{\circ}\text{C}\sim50^{\circ}\text{C}$, 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 $5^{\circ}\text{C}\sim50^{\circ}\text{C}$, the transferring gas is allowed to be rich in water vapor, but cannot contain solid particles					
Wetted materials	EPDM, FKM as optional; fiber reinforced nylon, tolerance to alcohol, acid, alkali, etc. (except strong acid, concentrated acid, lipids, benzene, gasoline, etc.)					

D60 MODEL KEY









ACCE	SSORIES	
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 pump*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 comes with the pump*1
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	Assessment of the second of th	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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