



### Highlights

- Low power consumption
- Long service life under max load
- Support voltage speed control
- Low noise level and vibration
- Driven by long life BDC motor
- Industrial-grade reliability
- Good air tightness
- Compact size

### Applications

- Gas sampling
- Medical equipment
- Analytical Instruments

**3.5K** hours  
lifetime test

### PERFORMANCE DATA

Model	Voltage (V DC)	Vacuum Max. Load Current (mA)	Compressor Max. Load Current (mA)	Max. Peak Flow rate (L/min)	Max. Average Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)
<b>Material Option A</b> Diaphragm:EPDM Valves:EPDM Pump Head: Fiber reinforced PA6							
D17L	12	≤50	≤100	≥1.0	≥0.6	≥36	≥45
D17L	5	≤120	≤240	≥0.6	≥0.4	≥36	≥45
D17S	12	≤35	≤60	≥0.5	≥0.3	≥17	≥20
D17S	5	≤100	≤190	≥0.3	≥0.25	≥17	≥20

## CONFIGURATION OPTIONS

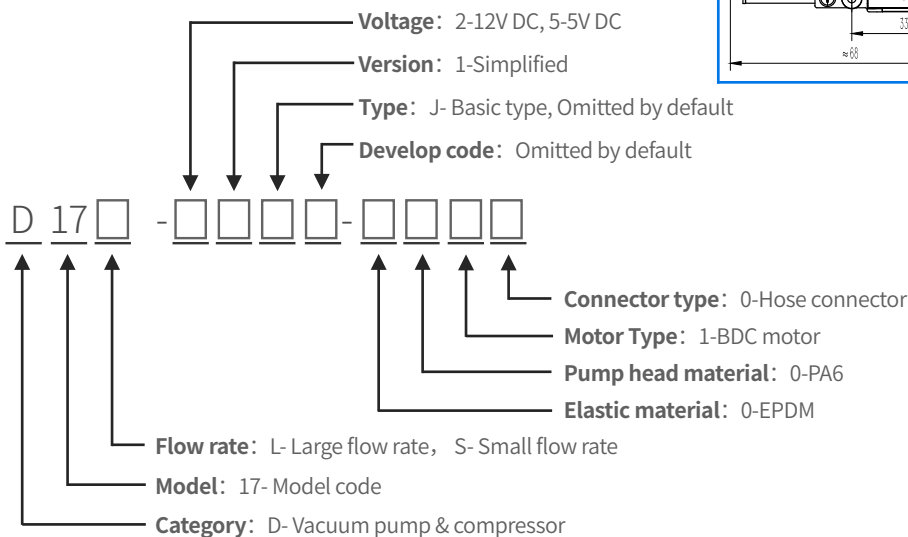
### Material Options

Pump Head	Fiber reinforced PA6
Diaphragm	EPDM
Valves	EPDM
Motor	BDC motor

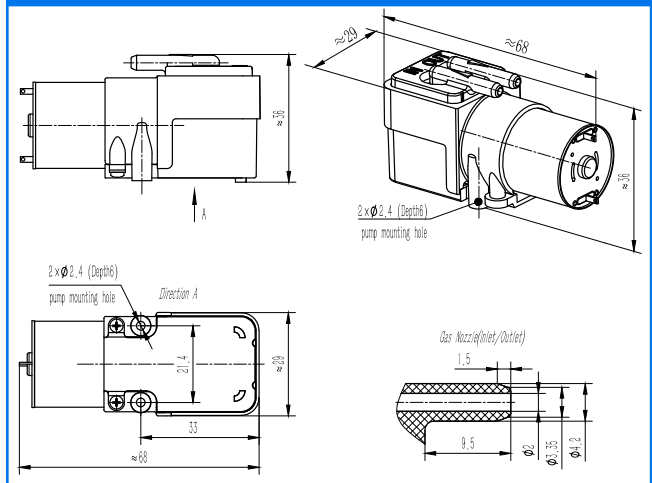
## RELIABILITY DATA

Models	D17S D17L
Fully Loaded Lifetime (hrs)	3500
Unloaded Lifetime (hrs)	5000
Motor Lifetime (hrs)	8000
Test conditions	In a clean and non-corrosive laboratory, working under rated voltage, 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°C~33 °C, relative humidity: 50%-85%, fluctuates with the climate.
Working Condition	
Operating temperature	Permissible ambient temperature is 0°C~50°C, it is not suitable to be exposed to the sun, and it should work in a clean and ventilated environment
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, FKM as optional; fiber reinforced nylon, tolerance to alcohol, acid, alkali, etc. (except strong acid, concentrated acid, lipids, benzene, gasoline, etc.)

## D17 MODEL KEY



## D17 SERIES DIMENSIONS



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 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
Manul control valve		It can be used to manually adjust the gas flow rate, pressure and vacuum. This accessory can be purchased on demand
Power Adapter		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



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Create value for customers by offering high quality fluid solutions

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