

# D15 Double Head Flow Control Micro Vacuum Pump & Compressor



## Datasheet



### Highlights

- High vacuum rate and small size
- Optional corrosion-resistant material
- Long service life under max load
- Compact size excellent performance
- Analytical grade high air tightness
- Driven by BLDC motor
- Industrial-grade reliability
- Restart with load
- Low EMC interference
- Good air tightness

### Applications

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

6.0K<sup>hours</sup>  
lifetime test



### PERFORMANCE DATA

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)	Weight (g)
<b>Material Option EA</b>	Diaphragm:EPDM Valves and Seals:EPDM		Pump Head: PA				
D15HB-BL5	5	0.4	3.2	2.0	45	45	80
D15HB-BL2	12	0.2	3.2	2.0	45	45	80
D15PB-BL5	5	0.4	2.6	1.6	75	100	80
D15PB-BL2	12	0.2	2.6	1.6	75	100	80

Note: Peak flow refers to the flow value measured by the rotor flowmeter, and average flow rate refers to the value measured by the soap film flowmeter. The above data are all measured at 101.3kPa standard atmospheric pressure and rated voltage. Output pressure Max.50 represents the maximum allowable output positive pressure.





ACCESSORIES		
Descriptions	Illustration	Function
Shock-isolation mounting feet		Reduce the impact of vibration on the equipment during the operation of the pump. This accessory can be purchased on demand
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
BLDC speed control module		This module uses open-loop or closed-loop PWM control logic to control the pumping speed through knobs, voltage, Modbus, frequency and other signal protocols.
DC 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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