

## 4 Series - Micro Diaphragm Vacuum Pump

### Model:BD-04VB15L

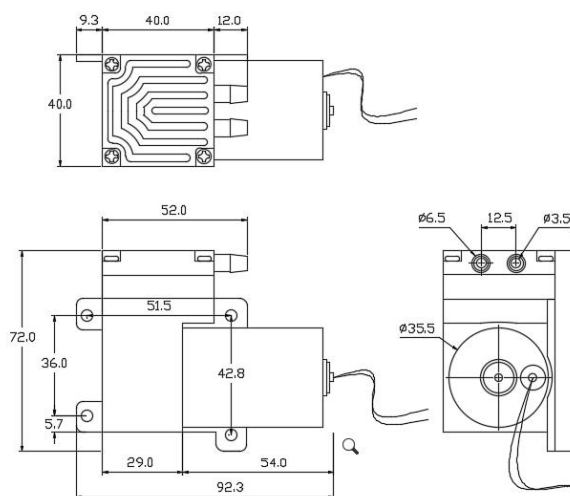
| Pneumatic Data                        |                                 |
|---------------------------------------|---------------------------------|
| Maximum Vacuum<br>(Negative Pressure) | -80 kPa<br>(-600mmHg/-0.080Mpa) |
| Maximum Flow(@0 kPa)                  | 15L/min                         |
| Electrical Data                       |                                 |
| Motor Type                            | DC Brushless Motor              |
| Rated Voltage                         | <b>12V DC</b>                   |
| No-load Current                       | ≤0.8 A                          |
| Noise From 30cm                       | 63 dB                           |
| Working Mode                          | Intermittent                    |
| Life Time                             | 3000-5000 hours                 |
| Other Data                            |                                 |
| Inlet/Outlet diameter                 | Φ6.5 mm/Φ3.5 mm                 |
| Dimensions                            | 92.3x72x40 mm                   |
| Weight                                | 305 g                           |
| Pump Head/Body Material               | Nylon                           |
| Diaphragm And Valve<br>Material       | EPDM                            |
| Operating<br>Environment Temperature  | 5-40℃                           |



#### Features

- Miniature diaphragm vacuum pump, small size , maintenance-free
- Precise production, high flow, high pressure
- Long-life brushless DC motor; pump life exceeds 5,000 hours under no-load test conditions.

#### Dimensional Outline Drawing (Unit:mm)



#### Optional Accessories (Sold Separately)

Check Valve, Air Filter, Muffler, Rubber Shock Bracket(Available for versions without side mounting holes)



#### Usage and Attention

- 1.Connect the red wire to the positive terminal (+) and the black wire to the negative terminal (-).
- 2.Intermittent cyclic operation is recommended. Each operating cycle should not exceed 2 hours. Keep the ambient temperature below 40° C and the motor surface temperature below 70° C. Allow sufficient cooling time before restarting the pump.
3. Do not exceed the specified voltage, maximum pressure, operating temperature, or other rated limits.
4. This product is not waterproof or dustproof. Damage caused by water, condensation, dust, insects, or other foreign matter is not covered by the warranty.
5. Keep the pump clean and dry. An inlet filter is recommended where airborne particles or other contaminants may be present.