

# BD - 05T Series - Micro Diaphragm Pump

## Model:BD-05T01.51000EP

| Performance Data          |                         |
|---------------------------|-------------------------|
| Model                     | BD-05T01.51000EP        |
| Voltage range             | 1V~4V                   |
| Maximum flow              | 1L/min                  |
| Maximum negative pressure | -40KPa                  |
| Maximum positive pressure | +50KPa                  |
| Motor Data                |                         |
| Motor type                | DC coreless brush motor |
| Max power                 | 0.4w                    |
| Waterproof lever          | IP20                    |
| Physical Properties       |                         |
| Storage temperature       | -40℃~60℃                |
| Operating environment     | -20℃~50℃                |
| Material                  |                         |
| Pump head                 | PPS                     |
| Diaphragm/valve           | EPDM<br>Customized FKM  |
| Pump body                 | Nylon                   |
| Dimension                 | 42*34*23mm              |
| Weight                    | 29g                     |



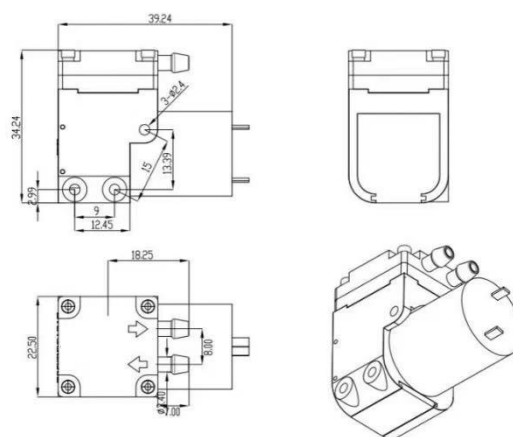
### Features

Optimized pump body to ensure small volume, provide large flow and maintain relatively low power consumption.

The gas flow is stable and the motor runs in a wide range.

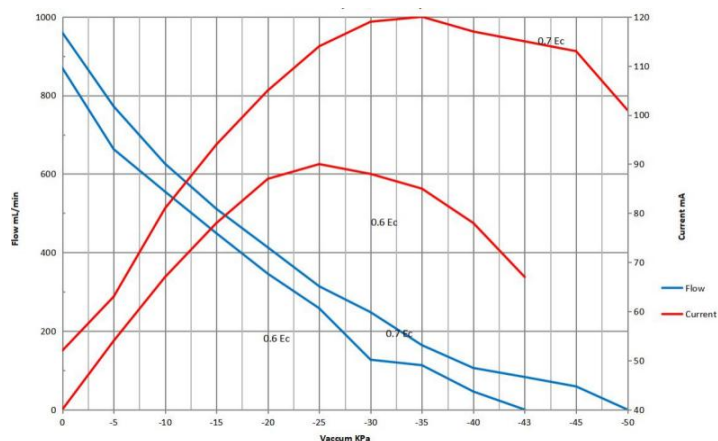
- Professional seal design ensures low leakage rate
- Pollution-free sample gas
- High quality imported EPDM rubber materials
- Long lifetime:Dc coreless motor: 6000-8000hours

### Drawing(mm)



### Curve

At 4V



### Application fields

- CEMS
- Handheld Instruments
- Analysis Instrument
- Medical Device
- Food Processing
- Environmental Protection
- Automatic Production Line Robot