



Model No. : OEM-KDB203/204/205/206/207



## Flow Data

| Pump Head | Tubing | ID×Wall thickness(mm) | Speed (rpm) | Flow Rate(mL/min) (3 rollers) | Flow Rate(mL/min) (4 rollers) | Tubing pressure resistance(Mpa) |              | Weight (kg) |
|-----------|--------|-----------------------|-------------|-------------------------------|-------------------------------|---------------------------------|--------------|-------------|
|           |        |                       |             |                               |                               | Continuous                      | Intermittent |             |
| KD15      | 13"    | 0.8x1.6               | 0.1-600     | 0.0083-50.3                   | 0.0079-47.37                  | 0.27                            | 0.17         | 0.37        |
|           | 14"    | 1.6x1.6               |             | 0.0281-168.4                  | 0.0267-160.37                 |                                 |              |             |
|           | 19"    | 2.4x1.6               |             | 0.0613-367.97                 | 0.0544-326.13                 |                                 |              |             |
|           | 16"    | 3.2x1.6               |             | 0.1006-603.5                  | 0.0942-565.47                 |                                 |              |             |
|           | 25"    | 4.8x1.6               |             | 0.2243-1345.83                | 0.2103-1262                   | 0.24                            | 0.14         |             |
|           | 17"    | 6.4x1.6               |             | 0.3297-1978.1                 | 0.2915-1748.93                | 0.14                            | 0.10         |             |
|           | 18"    | 7.9x1.6               |             | 0.5047-3027.97                | 0.4483-2690                   | 0.10                            | 0.07         |             |
| KD25      | 15"    | 4.8x2.4               | 0.1-600     | 0.2513-1507.6                 | 0.1979-1187.55                | 0.27                            | 0.17         | 0.37        |
|           | 24"    | 6.4x2.4               |             | 0.3912-2346.95                | 0.2909-1745.5                 |                                 |              |             |

## Motor Specification

### OEM-KDB203 Motor Specification

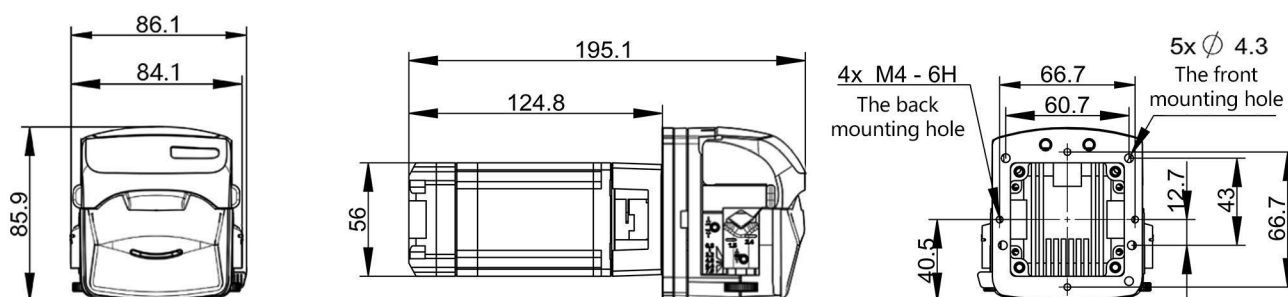
|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Speed range           | 0.1-600rpm                                               |
| Flow rate range       | 0.0079~3027.97mL/min                                     |
| Motor type            | Closed-loop stepper integrated motor                     |
| Speed control method  | External input pulse frequency speed regulation          |
| Subdivision setting   | 1/16 (default), DIP switch can set multiple subdivisions |
| Working power supply  | DC18~50V(Recommended 36V), ≥80W                          |
| Logical input voltage | DC3.3V~5V                                                |
| Working environment   | 0-40°C, <80%RH no condensation                           |

**OEM-KDB204/OEM-KDB205/OEM-KDB206 Motor Specification**

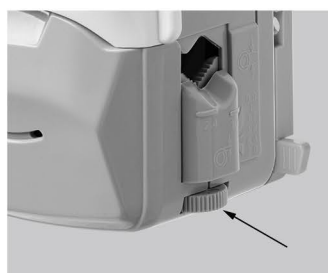
|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
| Speed range           | 0.1-600rpm                                                   |
| Flow rate range       | 0.0079~3027.97mL/min                                         |
| Motor type            | Closed-loop stepper integrated motor                         |
| Control method        | Switching signal control for start/stop and direction change |
| Speed control method  | OEM-KDB204: External analog speed control 4-20mA             |
|                       | OEM-KDB205: External analog speed control 0-5V               |
|                       | OEM-KDB206: External analog speed control 0-10V              |
| Working power supply  | DC18~50V(Recommended 36V), ≥100W                             |
| Logical input voltage | DC3.3V~5V                                                    |
| Working environment   | 0-40°C, <80%RH no condensation                               |

**OEM-KDB207 Motor Specification**

|                      |                                      |
|----------------------|--------------------------------------|
| Speed range          | 0.1-600rpm                           |
| Flow rate range      | 0.0079~3027.97mL/min                 |
| Motor type           | Closed-loop stepper integrated motor |
| Control method       | RS485                                |
| Working power supply | DC18~50V(Recommended 36V), ≥100W     |
| Working environment  | 0-40°C, <80% no condensation         |

**Dimension Drawing (Unit:mm)****Tubing Installation Procedure**

1. Lift the flip top of the pump head to open the pump head.



2. Rubbing wheel adjustment



3. Put the tubing into the pump head.



4. Close the flip top of the pump head downward to complete the installation.