

# BV-M0250T

## Precise Plunger Valve

### Operating Manual

**B** **BAN SEOK**<sup>®</sup>  
BAN SEOK PRECISION IND., CO., LTD.



This BV-M0250T dispensing valve is a precise plunger valve for easy Dispensing of anaerobic adhesive.

This dispensing volume can be fixed by adjusting height of the dead Point screw and the stroke of pneumatic cylinder.

### 1. 1 Merits

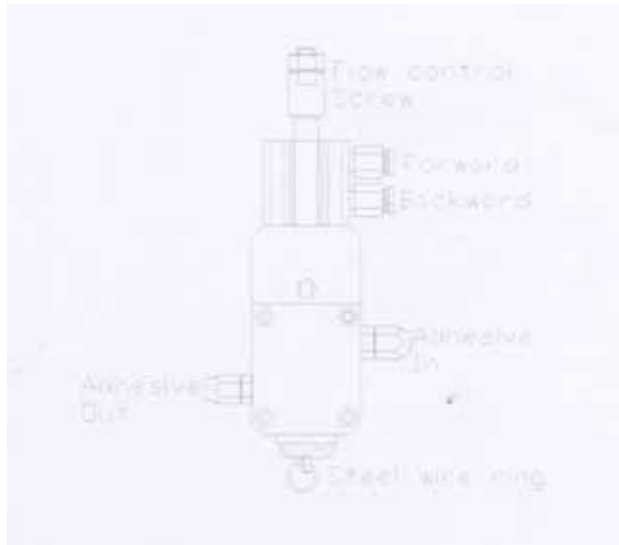
- 1) Steady dispensing amount once fixed regardless of external conditions such as room temperature
- 2) Using long life Teflon Plunger
- 3) Easy adjustment of dispensing amount by adjusting height of dead point screw.

### 2. 1 Specification

- |                                 |                       |          |         |
|---------------------------------|-----------------------|----------|---------|
| 1) External dimension           | W: 50mm               | D: 36mm  | L:195mm |
| 2) Measurements of installation | W:35mm                | D:42.5mm | L:5.2mm |
| 3) Dry weight                   | Approximately 510g    |          |         |
| 4) Driving pneumatic pressure   | 3~4kg/cm <sup>2</sup> |          |         |
| 5) Range of dispensing amount   | 0~0.15g               |          |         |
| 6) Accuracy of dispensing       | ±0.005g               |          |         |

## 2.

## Installation



### 2. 1 Installation



#### 1) Setting

This valve must be installed with the air cylinder side heading toward to the top.

If it is setup oppositely, it won't work properly.

Feed line (Valve to an exit) set up within 0.5mm

#### 2) Piping

a. Connect adhesive inlet port to adhesive pressure tank with ¼" polyethylene urethane tube.

b. Connect normally open port of solenoid valve to driving pneumatic pressure connector of normal out.

This piston of the valve should be set on upper side.

c. Set driving pneumatic pressure to 3~4kg/  $\text{cm}^2$

d. Set adhesive inlet port pressure (tank pressure) to 1~1.5kgf/  $\text{cm}^2$

## 2.

## Installation

- 3) Air ventilation and quick feed of adhesive to valve  
If you find any bubble in adhesive tube, pulls the steel wires ring (quick feed wire) downward gently to feed the adhesive to bleed the system.
- 4) Adjustment of dispensing amount
  - a. Remove the cover of the nut and adjust the dead point screw by turning it.  
Turning the screw clockwise to tighten it, while turning the screw Counterclockwise to loosen it decrease or increases the dispensing amount.
  - b. Relation between dispensing amount and turning degree to clockwise( dispensing amount Increased) is shown in the table below.

## 3.

## Range of Application Height

