



## PJS-100 Series Piezoelectric Jetting Valve Acoustics Semiconductor Optics Automotive Electronics New Energy Battery

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: MingSeal
- Certification: ISO
- Model Number: PJS-100H
- Minimum Order Quantity: 1
- Price: \$1-\$1000
- Packaging Details: WOODEN
- Delivery Time: 5-60 days
- Payment Terms: L/C, T/T, D/A, D/P, MoneyGram, Western Union



### Product Specification

- Condition: New
- Type: PJS-100H Piezoelectric Jetting Valve
- After-sales Service Provided: Engineers Available To Service Machinery Overseas, Video Technical Support, Online Support, Field Installation, commissioning And Training
- Product Name: PJS-100 Series Piezoelectric Jetting Valve
- Highlight: **PJS-100 Series Piezoelectric Jetting Valve**

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## Product Description

### PJS-100 Series Piezoelectric Jetting Valve

This series of piezoelectric jetting valve is a non-contact jetting system of high speed and precision which can process low, medium, high and ultra-high viscosity fluid; according to product features, there are two valve bodies to choose from, including PJS-100A with modular design, PJS-100H with quick dis-assembly and quick-change function of flow channel, and other derivative models used in specific working conditions.

Combined with piezoelectric valve controller and temperature controller, it can be widely used in noncontact high-precision spraying operations in the fields of advanced semiconductor manufacturing and mobile electronic device packaging.

#### Features and Advantages

- ◆ Minimal dosing amount 0.5nl, thinnest line width 0.2mm
- ◆ High amount stability with deviation under  $\pm 2\%$
- ◆ Processable fluid viscosity range 0-200000cps
- ◆ Excellent control of glue scattering under 0.5% and great management of bubble.

#### Processable Fluids

| Type                       | PJS-100A Piezoelectric Jetting Valve                           | PJS-100H Piezoelectric Jetting Valve                               |
|----------------------------|--|--|
| Supply Pressure Range      | 0.1~8bar   | 0.1~8Bar   |
| viscosity Range            | Medium and high viscosity up to 200000mpas                     | Medium and high viscosity up to 350000mpss                         |
| Minimal Dot Diameter       | 0.2mm (related to adhesion)                                    | 0.15mm (related to adhesion)                                       |
| Minimal Line Width         | 0.25mm (related to adhesion)                                   | 0.17mm (related to adhesion)                                       |
| Minimal Dosing Amount      | 0.5nL (CPK>1337)   | 0.5nL (CPK>133)  |
| Amount Accuracy            | $\pm 1\%$ (related to adhesion)                                | $\pm 1\%$ (related to adhesion)                                    |
| Control Frequency          | 0.001Hz  | 0.001Hz  |
| Corrosion Resistance       | All water-based glue, organic solvents, weak acids and alkalis | All water-based glue, organic solvents, weak acids and alkalis     |
| Dimensions (W*D*H)         | 119×75×15mm (runner assembled, thermal connectors excluded)    | 123×75×15mm (runner assembled, thermal connectors excluded)        |
| Weight                     | 420g (runner assembled)  | 440g (runner assembled)  |
| Working Temp. Range        | 0~40℃  | 10~50℃   |
| Main Functions             |  | Rapid disassembly of tappet and runner                             |
| Types                      | PJC-100A Controller  | PJC-100H Controller  |
| Usage Param. and min. step | 0.01-1000.00ms, 0.01ms   | 0.01-1000.00ms, 0.01ms   |
| Dispensing Frequency       | 1-1000HZ   | 1-1000HZ   |
| Discharge                  | TTT t iT   | TET tnu iT   |
| Parameter Ranges           | 10 sets  | 10 sets  |
| Reserved Interface         | Supporting 5TD, R5232/R5485 MODBUS RTU agreement               | Supporting 5TD R5232/R5485 MODBUS RTU agreement                    |
| Dimensions (W*D*H)         | 5×187×287mm  | 270×160×220mm  |
| Weight                     | 3kg  | 4kg  |
| Rated Power                | 215W   | 275W   |
| AC Input                   | AC 220V $\pm 20\%$   | AC 220V $\pm 20\%$   |
| Main Functions             |  | Valve body temperature monitoring and alarm function; error output |
|                            |  | heating status output; controller status output                    |



