

5900100  
Non-Contact  
Micro Valve



Specifications

## Valve Specifications

### Dimensions:

152 mm x 19 mm x 19 mm  
(6.00 in x 0.75 in x 0.75)

### Minimum Shot Size:

0.83 µl

### Minimum Line Width:

0.25 mm (0.010 in)

### Minimum Orifice Inside Diameter:

0.1mm (0.004")

### Viscosity Range:

1 cps – 20,000 cps

### Operating Air Pressure:

60 – 100 psi

### Maximum Inlet Fluid Pressure:

3500 psi

### Wetted Components:

Stainless steel, Teflon®, Kalrez®

The **5900100** is ideal for any low viscosity underfill, encapsulant, conformal coating, and micro dot or bead dispensing project. The **5900100** "propels" precise shots of fluid onto a substrate resulting in accurate patterns at high speed as no in process z-axis adjustments are required. Compatible with all automated platforms, it has features including: Interchangeable 22, 25, 27, 28, 30, and 32 gauge tip designs for various dispensing profiles, Micrometer flow adjustment with lock nut, and it is



capable of dispensing with no z-axis motion needed and highly repeatable dot size, superior pattern definition, dot and continuous-line dispensing profile. Divorced valve design prevents contamination of air body.

For more information, contact:

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or send an electronic mail message to:  
[service@dispensinglink.com](mailto:service@dispensinglink.com)

The **5900100** micro dispensing valve:

#### **5900100-22**

Non-contact micro dispensing valve with 22g tip.

#### **5900100-25**

Non-contact micro dispensing valve with 25g tip.

#### **5900100-27**

Non-contact micro dispensing valve with 27g tip.

#### **5900100-28**

Non-contact micro dispensing valve with 28g tip.

#### **5900100-30**

Non-contact micro dispensing valve with 30g tip.

#### **5900100-32**

Non-contact micro dispensing valve with 32g tip.

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