752HF Diaphragm Valve
Controlled, bubble-free dispensing for bonding and lacquer coating

The 752HF valve system is specifically designed for precise dispensing of UV-cure resins and similar fluids used in media manufacturing of Blu-ray DVDs, DVDs and CDs. Unrestricted material flow reduces turbulence and the formation of micro bubbles.

Features and Benefits
- High-flow capability for thicker UV-cure coatings
- Positive shutoff, no seals
- Valve open time as short as 15 milliseconds
- Cycle rate exceeds 500/minute
- Acetal copolymer or 303 SS fluid bodies
- Tamper-resist stroke control adjustment
- Compact and lightweight
- Low-maintenance design

Dispense Tips
Tip selection is critical to achieve optimum valve performance. 752V Series valves are packaged with a dispensing tip kit for maximum fluid control. The kit includes smooth-flow tapered tips in sizes from 14 to 25 gauge, precision stainless steel tips in sizes from 14 to 21 gauge, and tip caps.

Request a Process Evaluation
Contact Nordson EFD to configure a precision dispense system that meets your specific needs, with:
- A complimentary process evaluation by experienced fluid dispensing experts.
- Samples processed for customer evaluation and approval prior to purchase.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
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<tbody>
<tr>
<td>7014139</td>
<td>752HF-A High Flow Valve, acetal</td>
</tr>
<tr>
<td>7014315</td>
<td>752HF-SS High Flow Valve, stainless steel</td>
</tr>
</tbody>
</table>
752HF Diaphragm Valve

The 752HF dispense valve incorporates an inert polymer diaphragm that isolates the actuator from the valve and provides very fine flow control for all low- to medium- viscosity fluids. The unique design of the 752HF valve provides quick valve ON/OFF and the ability to rapidly obtain maximum flow rates. Amount dispensed depends on valve open time, fluid pressure, fluid viscosity, flow adjustment, and tip size.

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Item</th>
<th>Product</th>
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</thead>
<tbody>
<tr>
<td>752HF-A</td>
<td>Weight</td>
<td>81 g (2.85 oz)</td>
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<tr>
<td></td>
<td>Fluid body</td>
<td>Acetal copolymer</td>
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<tr>
<td>752HF-SS</td>
<td>Weight</td>
<td>123 g (4.30 oz)</td>
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<tr>
<td></td>
<td>Fluid body</td>
<td>303 stainless steel</td>
</tr>
</tbody>
</table>

General

- Size: 77.3 mm length x 28.6 mm diameter (3.04” x 1.13”)
- Actuating air pressure: 70-90 psi (4.8-6.2 bar)
- Maximum fluid pressure: 70 psi (4.8 bar)
- Fluid inlet thread: 1/8-27 NPT
- Mounting: (1) M5 x 0.8
- Cycle rate: Exceeds 500 per minute
- Air cylinder body: Aluminum, hard-coat anodized
- Piston: 303 stainless steel
- Diaphragm: UHMW* polyethylene, FDA approved

All stainless steel parts are passivated.

*Ultra High Molecular Weight polyethylene

Select Your Controller


Valve System

The complete system includes the 752HF dispense valve, ValveMate™ controller, and dispense tip.

Fluid Reservoirs

Nordson EFD reservoirs are supplied with precision, constant-bleed regulators to ensure consistent fluid pressure to the valve. Tank reservoirs are available in 1.0, 5.0 and 19.0 liter capacities. Cartridge sizes range from 2.5 to 32 ounces (75cc to 950cc). Note: The 1.0 liter tank accepts a 1 lb. bottle of cyanoacrylate.

Automated Dispensing Systems

Nordson EFD automated dispensing systems deliver market-leading repeatability and accuracy in fluid placement and positioning. Specialized dispensing software simplifies setup and programming. Optimize dispensing results with features such as laser height sensing and smart vision CCD cameras.

For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to www.nordsonefd.com.

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