

752HF Diaphragm Valve

Controlled, bubble-free dispensing for bonding and lacquer coating



752HF used in manufacturing of Blu-Ray DVDs and other media.



752HF bonding DVDs with UV-cure resins.

"We never expected these valves would work this great and be this reliable! Over 50 million cycles without maintenance!"

— Capitol Records

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.

Part #	Description
7014139	752HF-A High Flow Valve, acetal
7014315	752HF-SS High Flow Valve, stainless steel



more info



Specifications

Item	Product
Size	77.3L x 28.6DIA mm (3.04L x 1.13DIA")
Weight (less fittings)	752HF-A: 81.0 g (2.8 oz) 752HF-SS: 123.0 g (4.3 oz)
Actuating air pressure	4.8–6.2 bar (70–90 psi)
Maximum fluid pressure	4.8 bar (70 psi)
Fluid inlet	1/8-27 NPT
Mounting	(1) M5 x 0.8
Cycle rate	Exceeds 500 per minute
Air cylinder body	Hard-coated anodized aluminum
Fluid body	752HF-A: Acetal copolymer 752HF-SS: 303 stainless steel
Piston	303 stainless steel
Diaphragm	UHMW* polyethylene
Tip retaining nut	Aluminum
Maximum operating temperature	43° C (110° F)
Warranty	1 year, limited

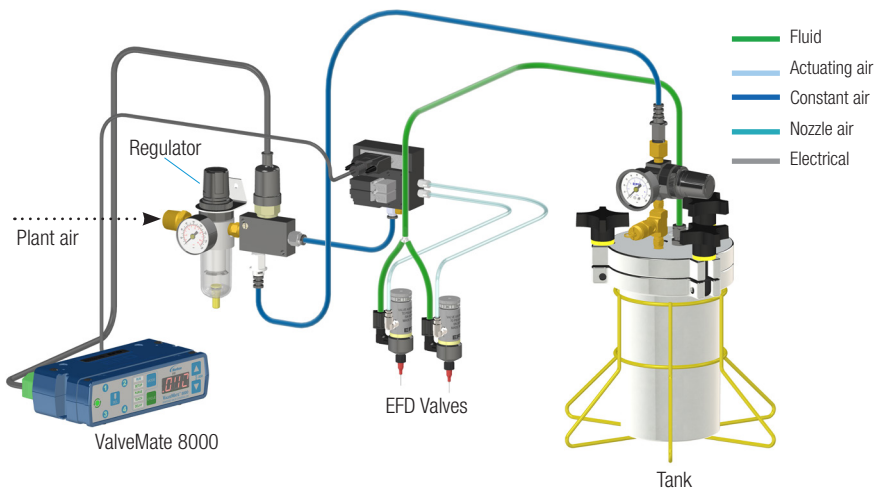
All stainless steel parts are passivated.
*Ultra High Molecular Weight polyethylene

Select Your Controller

See the Valve Selection Guide for the controllers compatible with this valve — www.nordsonefd.com/ValveGuide.

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.

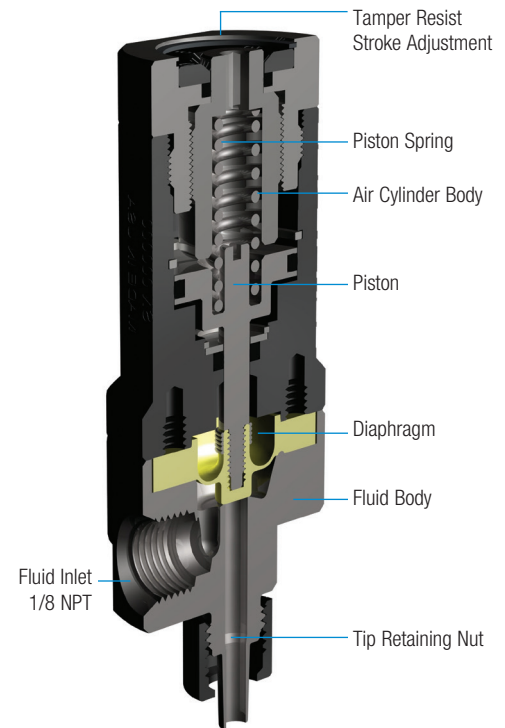
Automated Dispensing Systems

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.

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.



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

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