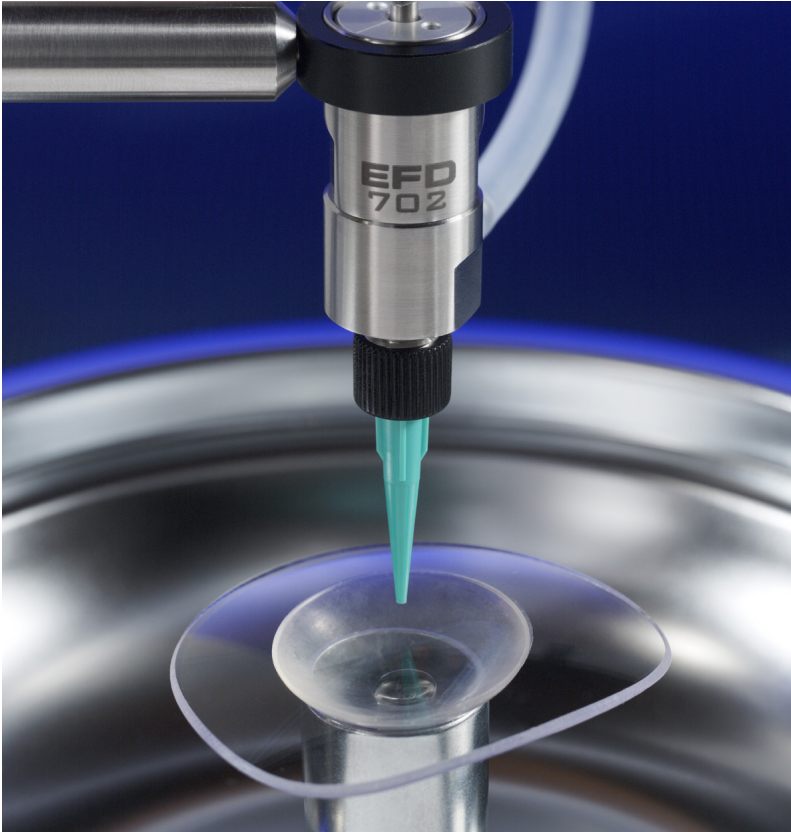


702 Series Mini-diaphragm Valve

Controlled, consistent coatings and bonding in a miniature design



702V-SS valve coating a lens with UV-cure material.

The 702V-SS mini-diaphragm dispense valve is designed for drip-free coatings and consistent shot-to-shot bonding of UV-cure adhesives and other low-to-medium viscosity fluids, especially where valve mounting space is at a premium.

At 60% smaller and 70% lighter than other dispense valves, the 702V-SS mounts easily and can be positioned close to the production parts. With its lightweight design, the valve is also easy to move, which means less maintenance and wear on semi-automated and automated machine robotic arms.

Features and Benefits

- Consistent shot-to-shot performance
- Quick, clean cutoff eliminates drips
- Low maintenance for millions of cycles
- Tamper resist stroke adjustment
- Unique design eliminates trapped air and bubbles

*Available with PTFE diaphragm for autoclaving processes

"The valve start/stop performance is very good; no droplets formed. The size is much smaller, a particular advantage for the dispense arm robot."

— EFD OEM customer



Part #	Description
7020680	702V-A Valve; For dispensing UV cure, anaerobics, and certain cyanoacrylate
7020683	702V-SS Valve; For general industry applications



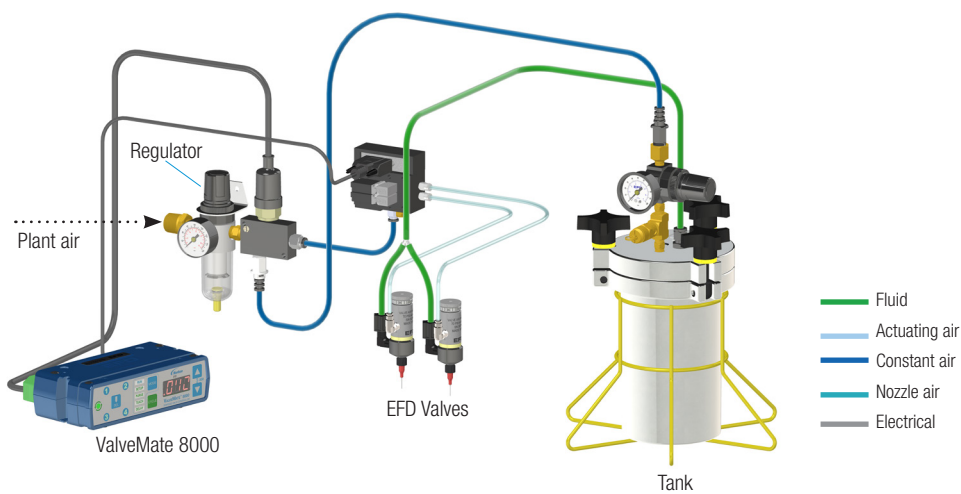
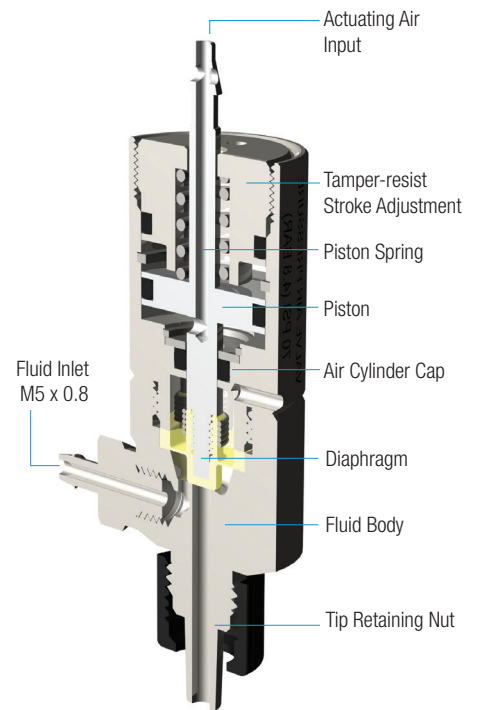
more info



Specifications

Item	Specification
Size	63.5L x 19.1DIA mm (2.50L x 0.75DIA")
Weight (less fittings)	49.3 g (1.7 oz)
Actuating air pressure required	4.8–6.2 bar (70–90 psi)
Maximum fluid pressure	4.8 bar (70 psi)
Fluid inlet	M5 x 0.8
Mounting	Adjustable mounting block (#7020507)
Cycle rate	Exceeds 500 per minute
Air cylinder body	303 stainless steel
Fluid body	702V-SS: 303 stainless steel 702V-A: Acetal copolymer
Piston	303 stainless steel
Diaphragm	UHMW* polyethylene or PTFE
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



ValveMate 8000 Controller

Valve open time is the primary control of deposit size. The ValveMate controller puts push-button adjustment of valve open time where it needs to be — at the valve.

- Multi-valve control- up to (4) valves
- Partner to Programmable Logic Controller (PLC)
- Easy deposit size control
- Increased production output
- End user convenience
- Maximum machine efficiency

Select Your Controller

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

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.

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).

Dispense Tips

The correct tip selection is very important to achieve proper performance of dispense valves.

In addition to its standard range of general purpose stainless steel tips, Nordson EFD offers special PTFE-coated stainless steel tips that provide a clean cutoff to prevent wicking and drips.

Contact Nordson EFD to order a supply.

*PolyTetraFluoroEthylene

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



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

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