

# 752V Diaphragm Valve

Compact diaphragm valve for fine flow control



The 752V Series dispense valve systems accurately control the application of most low to medium viscosity fluids. The unique seal-less design incorporates an inert polymer diaphragm that isolates the actuator from the valve.

Valve open time can be as short as 15 milli-seconds. The adjustable open/close stroke 0.13 to 0.64 mm (0.005" to 0.025") means very fast response and positive shutoff.

Model 752V-UHSS with UHMW\* polymer wetted parts is used for dispensing solvents, cyanoacrylates, anaerobics and fluxes.

A light blocking acetal valve chamber on the 752V-SS provides consistent, bubble-free dispensing of UV-cure polymers.

\*Ultra High Molecular Weight polyethylene

*"After 100 million cycles, we took the 752V-UH apart to check it. No repairs or parts needed. Reassembled and had it back in operation in about 5 minutes."*

*Remington Arms*

## Features

- Compact size and weight
- Adjustable fluid flow control
- Positive shutoff, no seals
- Diaphragm life exceeds 100 million cycles
- Easy cleaning
- FDA-compliant wetted parts
- Cycle rate exceeds 500/minute
- Low-maintenance design

P/N	Description
7021428	752V-UHSS: UHMW fluid body and diaphragm 303 stainless steel Air cylinder body
7021419	752V-SS: Acetal copolymer fluid body, UHMW diaphragm 303 stainless steel Air cylinder body
7021410	752V: Acetal copolymer fluid body, UHMW diaphragm Hard-coated aluminum Air cylinder body
7021422	752V-UH: UHMW fluid body and diaphragm Hard-coated aluminum Air cylinder body
7015582	752V-SS-BP: Acetal copolymer fluid body, UHMW diaphragm 303 stainless steel Air cylinder body BackPack actuator
7015583	752V-UHSS-BP: UHMW fluid body body and diaphragm 303 stainless steel Air cylinder body BackPack actuator



more info



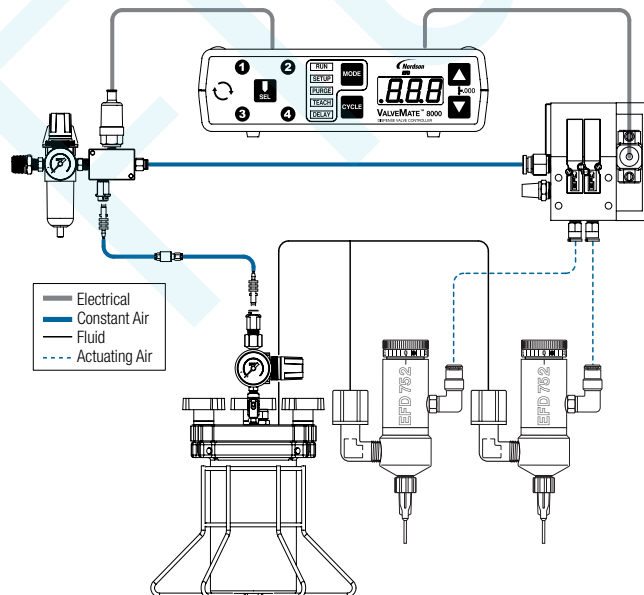
## 752V Series Specifications

Model	Item	Product
752V-UHSS	Size	79.5 mm x 26.9 mm diameter (3.13" x 1.06")
	Weight	173.6 grams (6.12 oz)
	Air cylinder body	Type 303 stainless steel
752V-SS	Size	79.5 mm x 26.9 mm diameter (3.13" x 1.06")
	Weight	181.4 grams (6.4 oz)
	Air cylinder body	Type 303 stainless steel
752V	Size	79.5 mm x 26.9 mm diameter (3.13" x 1.06")
	Weight	105 grams (3.7 oz)
	Air cylinder body	Hard-coated aluminum
General	Actuating air pressure	70 psi (4.8 bar)
	Maximum fluid pressure	70 psi (4.8 bar)
	Fluid inlet thread	1/8 NPT female
	Fluid outlet thread	1/4-28 UNF
	Mounting	(1) 10-32 UNF tapped hole
	Cycle rate	Exceeds 500 per minute
	Fluid body	UHMW* polyethylene, FDA approved
	Fluid body options	Acetal, 303 stainless steel, PTFE
	Piston and piston rod	Type 303 stainless steel
	Tip adapter	Polypropylene
	Diaphragm	UHMW* polyethylene, FDA approved
	Diaphragm option	PTFE
	Wetted parts	Fluid body, diaphragm, tip adapter
	All stainless steel parts are passivated.	
*Ultra High Molecular Weight polyethylene		

## Diaphragm valve systems

The complete system includes the 752V Series valve, ValveMate™ 8000 controller, the fluid reservoir and dispense tip.

Expert technical assistance and high quality standards ensure productive, trouble-free performance. Nordson EFD offers a full line of reliable dispensing systems to meet your specific application requirements.

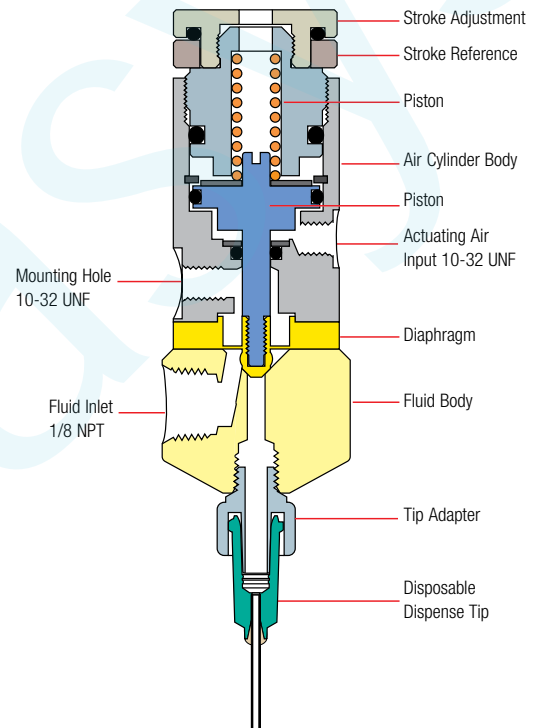


## 752V Series Valves

The 752V Series valves are used with ValveMate 8000 controllers or Nordson EFD Automated System for precise, repeatable outputs of low to medium viscosity fluids.

The 752V Series wetted components are inert plastics and use the same actuating assembly and diaphragm. Each valve can be calibrated with the stroke reference knob for process control.

The amount dispensed depends on valve open time, fluid pressure, fluid viscosity, flow adjustment and tip size.



752V-UHSS  
100% actual size



Flumasys s.r.o.  
info@flumasys.com