

# 725HF-SS Series High Flow Piston Valve

Accurate packaging and filling valve systems



725HF-SS high flow valve dispenses paint into bottles.

Precision 725HF-SS valve systems dispense low- to high-viscosity fluids up to 450ml/second.

Best for filling small bottles, foil packs and samples with lotions, perfumes and adhesives. Also used for potting electronics and applying braze pastes.

The advanced 725HF design provides positive cutoff by means of a slight pull-back at the dispense cycle end, ensuring accurate fill amounts.

Unique UHMW\* polymer diaphragm replaces typical seals and seal maintenance, and ensures separation integrity of fluid from cylinder body.

\*Ultra High Molecular Weight Polyethylene

## Features and Benefits

- FDA-compliant wetted parts
- Autoclavable wetted parts (121°C)
- Fully adjustable flow rates
- Positive cutoff
- Cycle rate exceeds 400/minute
- $<\pm 1\%$  repeat fill tolerance
- Low-maintenance design

Part #	Description
7021020	Hard-coat anodized aluminum air cylinder body assembly with passivated 303 stainless steel fluid body and shaft. UHMW diaphragm and sealing head.

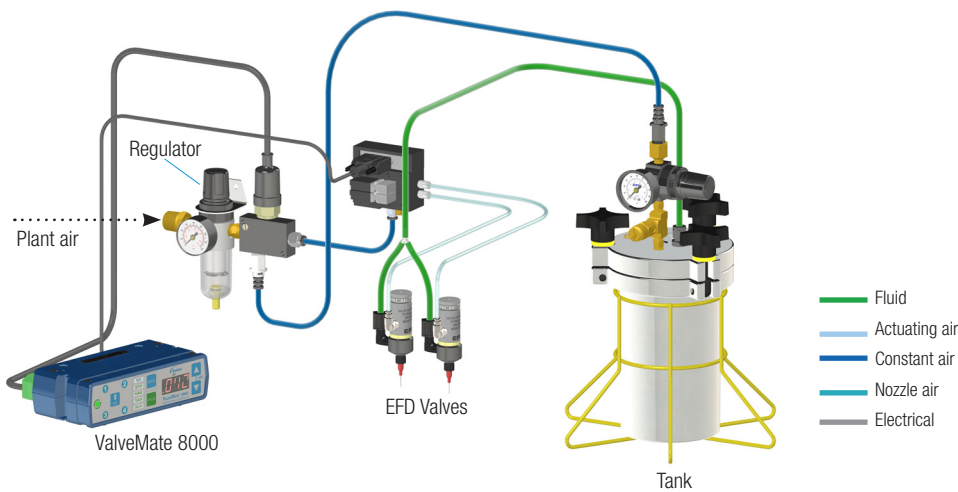
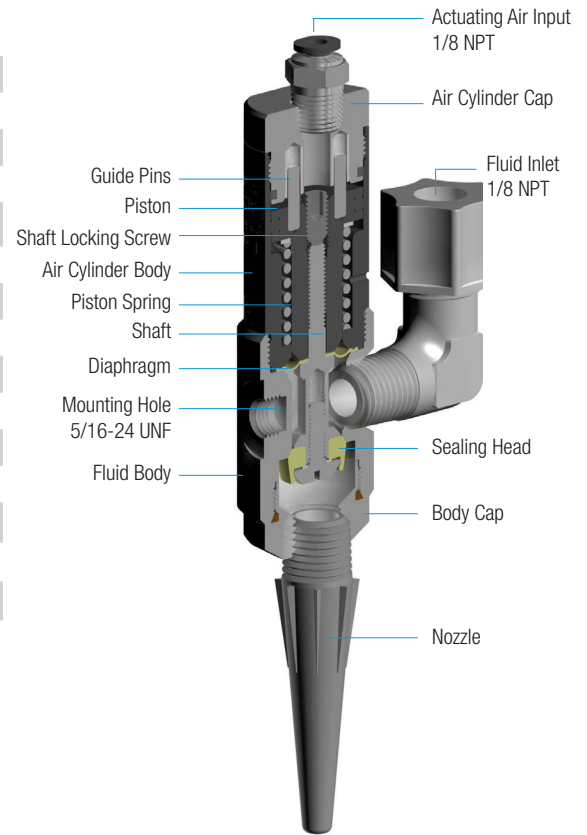


more info

## Specifications

Item	Specifications
Size	108.7L x 31.2DIA mm (4.28L x 1.23DIA")
Weight	309.0 g (10.9 oz)
Actuating air pressure required	4.8–6.2 bar (70–90 psi)
Maximum fluid pressure	7.0 bar (100 psi)
Fluid inlet	1/4 NPT
Fluid outlet	1/4 NPT
Mounting	(1) 5/16 UNF or adjustable mounting block
Cycle rate	Exceeds 400 per minute
Air cylinder body	Hard-coated anodized aluminum
Fluid body	303 stainless steel or acetal copolymer
Piston	Hard-coated anodized aluminum
Diaphragm	UHMW* polymer, FDA-approved
Maximum operating temperature	43° C (110° F)
Warranty	1 year, limited

\*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](http://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

Tip selection is critical to achieve optimum valve performance. 725HF Series valves are packaged with (6) 14 gauge smoothflow tapered tips and (2) 1/4 NPT one-piece polyethylene nozzles.

## 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



725HF-SS fills pouches with lotion.



For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to [www.nordsonefd.com](http://www.nordsonefd.com).

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