

# Accurate packaging and filling valve systems.

adhesives  
cosmetics  
creams  
grease  
lubricants  
inks  
sealants

**EFD**<sup>®</sup>  
A NORDSON COMPANY



Precision 725HF 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.



## Features

- 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

Electronic pdf files of EFD manuals are also available at [www.efd-inc.com/manuals.html](http://www.efd-inc.com/manuals.html)

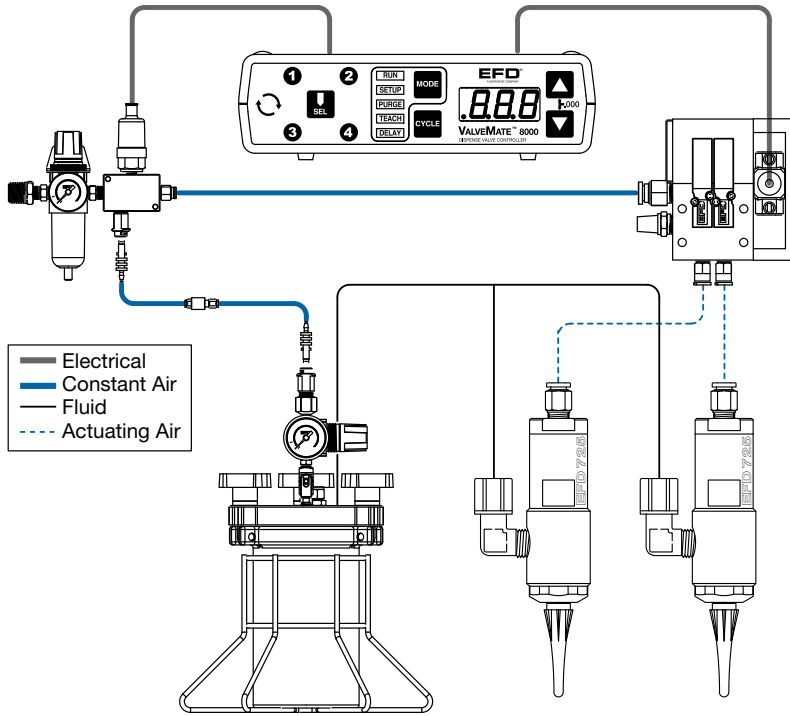
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Sales and service of EFD dispensing systems are available worldwide.

# High flow valve systems

The complete system includes the 725HF dispense valve, ValveMate™ 8000 controller, the fluid reservoir and dispense nozzle.

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



## 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

## Optional: XYZ Dispensing System

The EFD Ultra® TT xyz dispensing system incorporates all functions of the ValveMate. Compact 3-axis tabletop system offers consistent deposit repeatability. Work area: 325 x 325 x 100 mm or 525 x 525 x 100 mm.

## Fluid Reservoirs

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.

## Dispense Tips

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

## 725HF Series Valves

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.

**725HF-SS** Size: 108.7 mm x 31.1 mm diameter (4.28" x 1.23")

Weight: 309 grams (10.9 oz)

**725HF-A** Size: 109.2 mm x 31.1 mm diameter (4.30" x 1.23")

Weight: 185 grams (6.5 oz)

Maximum fluid pressure: 100 psi (6.9 bar)

Actuating air pressure required: 70 psi (4.8 bar)

Fluid inlet thread: 1/4 NPT

Fluid outlet: 1/4 NPT

Mounting: (1) 5/16 UNF or adjustable mounting block

Air cylinder body: Hard-coated aluminum

Fluid body: Type 303 stainless steel or acetal copolymer

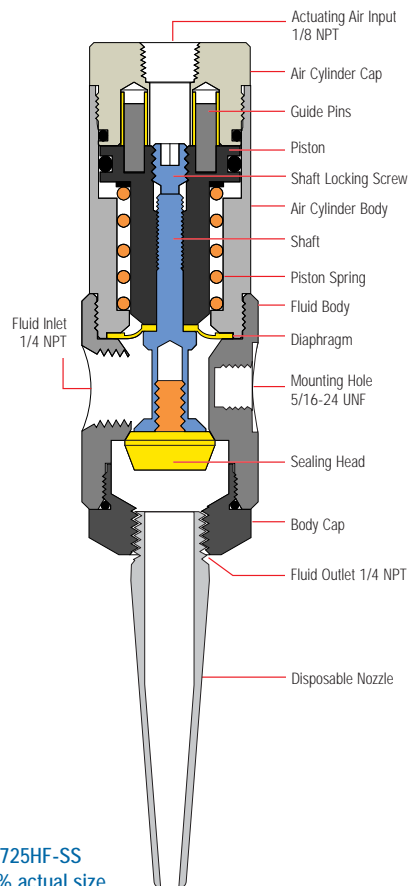
Piston: Hard-coated aluminum

Spring: Stainless steel

Sealing head/diaphragm: UHMW\* polymer, FDA-approved

All stainless steel parts are passivated.

\*Ultra High Molecular Weight polyethylene



725HF-SS  
75% actual size



For EFD sales and service in over 30 countries, contact EFD or go to [www.efd-inc.com/contact](http://www.efd-inc.com/contact)

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