

# High pressure valve for sealant and grease control.

adhesives

grease

sealants

silicones

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



Unique 736HPA balanced-spool valve easily applies industrial sealants, grease and silicones at fluid pressures up to 172 bar (2,500 psi).

To ensure consistent bead widths and dot profiles, a stroke limit adjustment is used to reduce opening surge and regulate snuff-back.



## Features

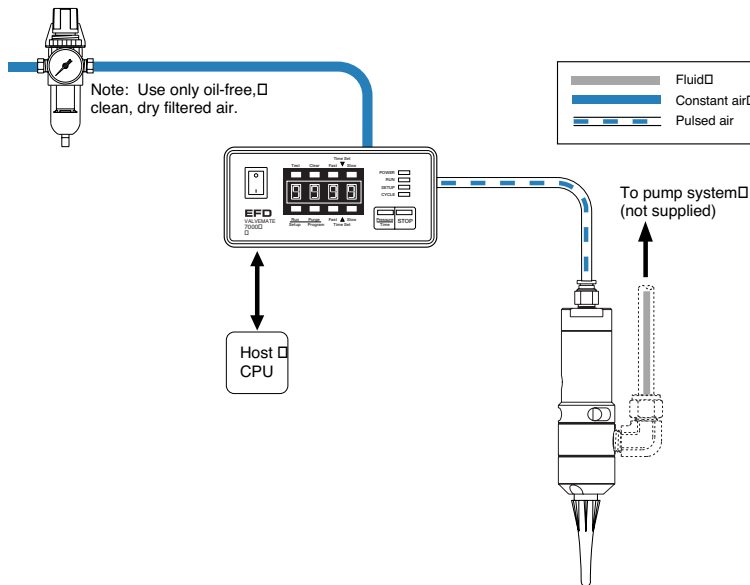
- Opening surge control
- **Adjustable snuff-back cut-off**
- Compact size and weight
- All stainless steel construction
- Auxiliary air inlet air-assist closure
- Cycle rate exceeds 400/minute
- Fluid input up to 172 bar (2,500 psi)

*"The 736HPA makes my job easier. After two years, and 4 million cycles on each, still no change. They're working as promised." - Truck-Lite Co.*

# High pressure valve systems

The complete system includes the 736HPA dispense valve, ValveMate 7000 controller, and dispense tip.

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.



## 736HPA Dispense Valves

The 736HPA balanced spool, high pressure valve is designed to operate at fluid pressures up to 172 bar while ensuring consistent dispensing.

Precision manufacturing with hard chrome coated stainless steel spool and advanced polyester elastomer seals provides millions of cycles without wear or leakage.

The amount of fluid dispensed is determined by valve open time, fluid pressure, dispensing tip size and fluid viscosity.

**Size:** 134.4 mm x 34.9 mm diameter  
(5.29" x 1.375")

**Weight (less fittings):** 544 g (19.2 oz)

**Actuating air pressure required:** 4.8 bar (70 psi)

**Maximum fluid pressure:** 172 bar (2,500 psi)

**Fluid inlet thread:** 1/4 NPT female

**Mounting:** (1) 5/16-24 UNF tapped hole or adjustable mounting block

**Cycle rate:** Exceeds 400 per minute

**Air cylinder body:** Type 303 stainless steel

**Fluid chamber and outlet cap:** Type 303 stainless steel

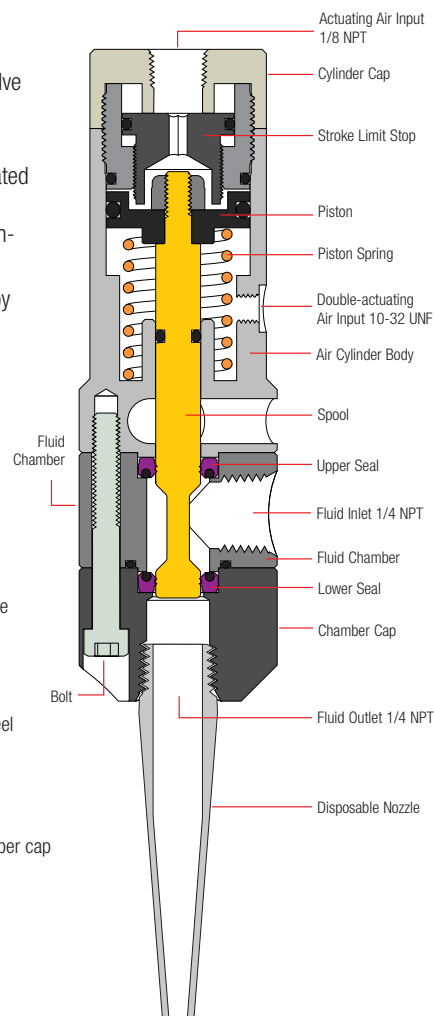
**Piston:** Hard-coated aluminium

**Spool:** Stainless, hard chrome coated

**Spool seals:** Polyester elastomer

**Wetted parts:** Spool, spool seals, fluid chamber, chamber cap

All stainless steel parts are passivated.



736HPA  
75% actual size

## ValveMate™ 7000 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.

- 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- or 4-axis tabletop system offers consistent deposit repeatability. Work area: 325x325x100 mm or 525x525x100 mm.

## Fluid Reservoirs

The 736HPA is designed for use with high pressure pump systems. When ordering fluid inlet fittings from your pump supplier, specify 1/4" NPT inlet size.

Although EFD does not supply high pressure pumps, we can provide recommendations on request.

## Dispense Tips

Tip selection is critical to achieve optimum valve performance. 736HPA Series valves are packaged with (2) polypropylene nozzles 63.5 mm x 3.18 mm. Various sizes of metal nozzles are also available.

**EFD®**  
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or a no-charge evaluation system  
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