

High pressure valve for sealant and grease control.

adhesives
grease
sealants
silicones

EFD[®]
A NORDSON COMPANY



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

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 cutoff**
- Compact size and weight
- All stainless steel construction
- Auxiliary air inlet air-assist closure
- Cycle rate exceeds 400/minute
- Fluid input up to 2,500 psi (172 bar)

Electronic pdf files of EFD manuals are also available at www.efd-inc.com.

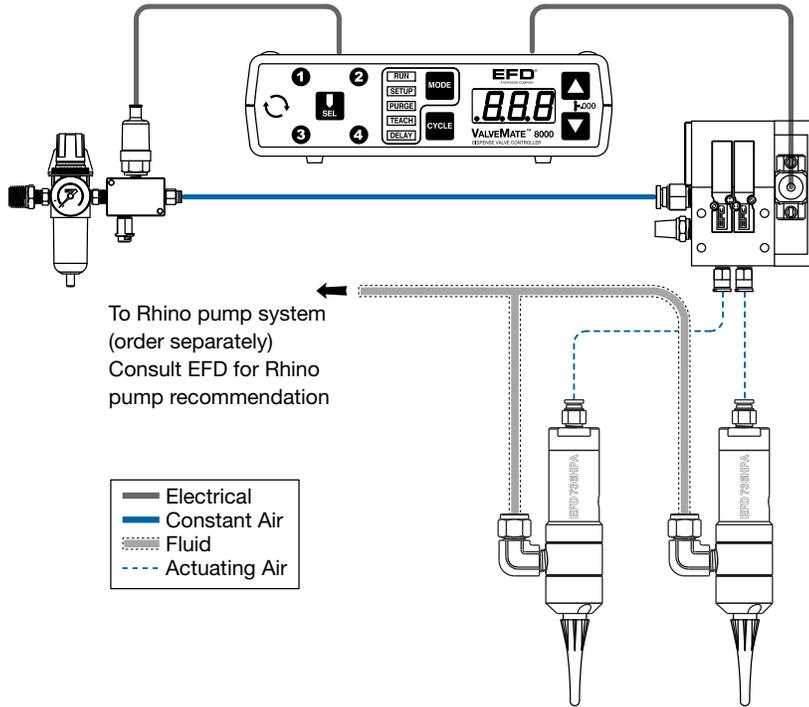
“The 736HPA-NV makes my job easier. After two years, and 4 million cycles on each, still no change. They’re working as promised.”

Truck-Lite Co.

*To order, request part number 7013449.

High pressure valve systems

The complete system includes the 736HPA-NV dispense valve, ValveMate™ 8000 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-NV Dispense Valves

The 736HPA-NV balanced spool, high pressure valve is designed to operate at fluid pressures up to 2,500 psi 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 1.38")

Weight (less fittings): 544 grams (19.2 oz)

Actuating air pressure required: 70 psi (4.8 bar)

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

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 body and outlet cap: Type 303 stainless steel

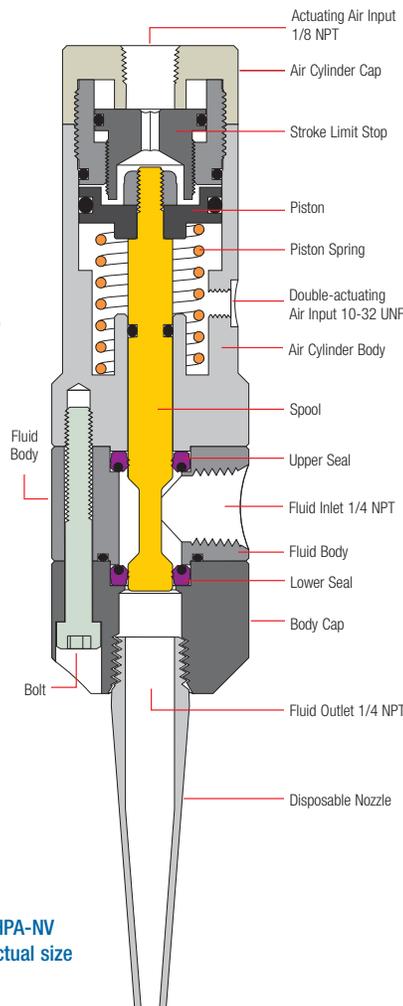
Piston: Hard-coated aluminum

Spool: Stainless, hard chrome coated

Spool seals: Polyester elastomer

Wetted parts: Spool, spool seals, fluid body, body cap

All stainless steel parts are passivated.



736HPA-NV
75% actual size

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 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

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

EFD offers reliable high pressure pumps for use with 5-gallon pails or 55-gallon drums. For details, please contact your local EFD representative.

Dispense Tips

Tip selection is critical to achieve optimum valve performance. 736HPA-NV Series valves are packaged with (2) polyethylene nozzles 63.5 mm long x 3.2 mm (2.5" x 1/8"). Various sizes of metal nozzles are also available.



For EFD sales and service in over 30 countries, contact EFD or go to www.efd-inc.com

EFD, Inc.

East Providence, RI USA

USA & Canada: 800-556-3484; +1-401-434-1680

info@efd-inc.com

www.efd-inc.com

EFD International Inc.

Dunstable, Bedfordshire, UK

0800 585733 or +44 (0) 1582 666334

Ireland 00800 8272 9444

europa@efd-inc.com

www.efd-inc.com

EFD, Inc., Asia

China: +86 (21) 3866 9166

china@efd-inc.com

www.efd-inc.com/cn

Singapore: +65 6796 9630

sin-mal@efd-inc.com