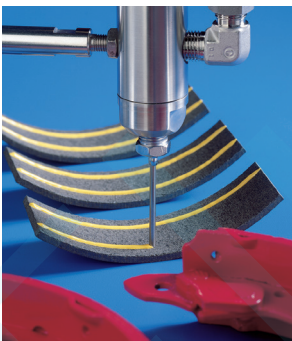


# 736HPA Series High Pressure Valve

High pressure valve for sealant and grease control



Apply RTV to automotive valve covers.



Dispense structural adhesive on brake shoe linings.

*"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.

Unique 736HPA-NV balanced-spool valve easily applies industrial sealants, grease and silicones at fluid pressures up to 2500 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 and Benefits

- 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 2500 psi (172 bar)

## 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.

## 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.

Part #	Description
7013449	736HPA-NV Valve, chromium-plated spool
7028951	736HPA-NV Valve, titanium nitride-coated spool



more info



## Specifications

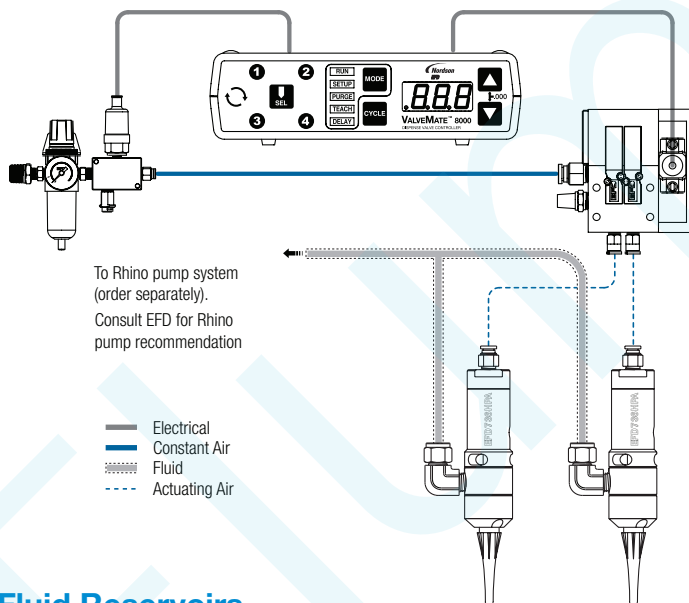
Item	Product
Size	134.4 mm length x 34.9 mm diameter (5.29" x 1.38")
Weight (less fittings)	544 grams (19.2 oz)
Actuating air pressure	70 psi (4.8 bar)
Maximum fluid pressure	2500 psi (172 bar)
Fluid inlet thread	1/4 NPT female
Mounting	(1) 5/16-24 UNF tapped hole or adjustable mounting block
Cycle rate	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.	

## Select Your Controller

See the Valve Selection Guide for the controllers compatible with this valve — [www.nordsonefd.com/ValveGuide](http://www.nordsonefd.com/ValveGuide).

## Valve System

The complete system includes the 736HPA-NV dispense valve, ValveMate™ controller, and dispense tip.



## 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.

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

## Automated Dispensing Systems

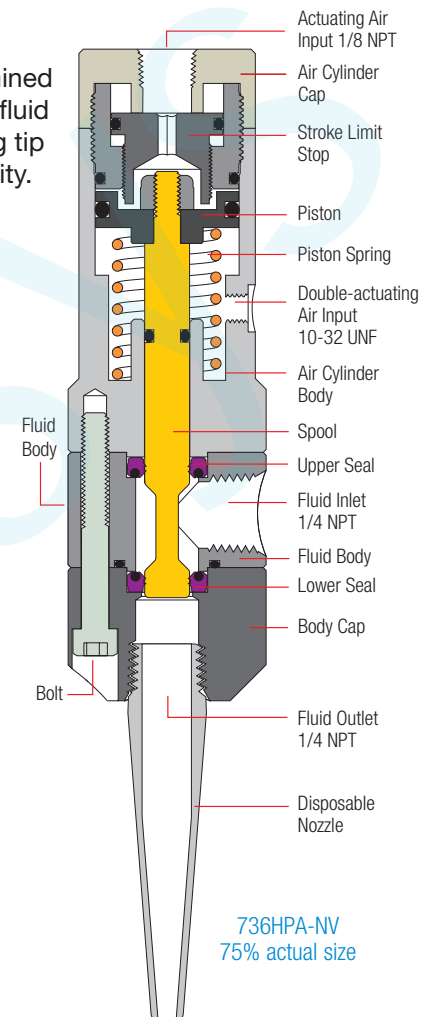
Nordson EFD automated dispensing systems deliver market-leading repeatability and accuracy in fluid placement and positioning. Specialized dispensing software simplifies setup and programming. Optimize dispensing results with features such as laser height sensing and smart vision CCD cameras.

## 736HPA-NV Dispense Valves

The 736HPA-NV balanced spool, high pressure valve is designed to operate at fluid pressures up to 2500 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.



**Nordson**  
EFD

**flumasys**  
fluid management

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