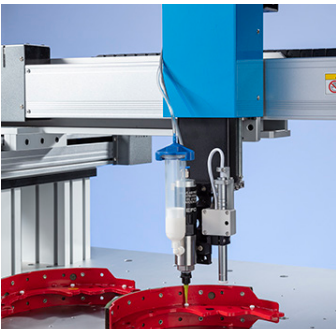


725D Series Piston Valve

Piston valve systems for precise deposits of viscous fluids



725DA dispensing even bead of water-based adhesive.



725D mounted on GV robot dispensing grease on automotive brake caliper.

"Machine downtime was reduced to almost zero, and braze paste usage reduced by 40%."

— S&H Fabricating

725D Series valve systems consistently dispense a wide range of medium to thick fluids, including greases and silicones.

The piston design provides a slight snuff-back at the end of the dispense cycle for positive fluid cutoff. These pneumatically operated valves are ruggedly constructed and feature a unique UHMW* polymer diaphragm that isolates the wetted components from the actuator. The UHMW sealing head provides long wear.

The 725DA-SS provides stroke adjustment for both fluid flow and snuff-back control. The 725D-SS version is nonadjustable and provides fixed stroke travel.

725D Series valves are used with ValveMate 8000 controllers or automated dispensing systems for precise, repeatable outputs. Piston action provides slight material pullback at the end of the dispense cycle for a clean fluid cutoff. Valves may be mounted in any position.

*Ultra High Molecular Weight polyethylene

Features and Benefits

- Positive shutoff
- End-of-cycle snuff-back
- Diaphragm life exceeds 50 million cycles
- Cycle rate exceeds 400/minute
- Excellent chemical resistance
- Low-maintenance design

| Part # | Description |
|---------|----------------------------------------------------------------------------|
| 7021014 | 725DA-SS valve, adjustable piston stroke |
| 7021010 | 725DA-AL valve, adjustable piston stroke, aluminum fluid body and body cap |
| 7021009 | 725D-SS valve, fixed stroke travel |



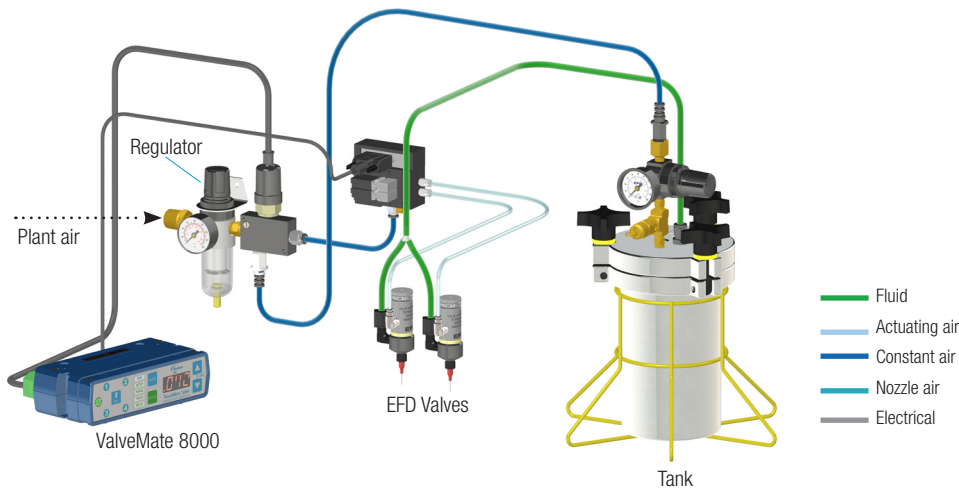
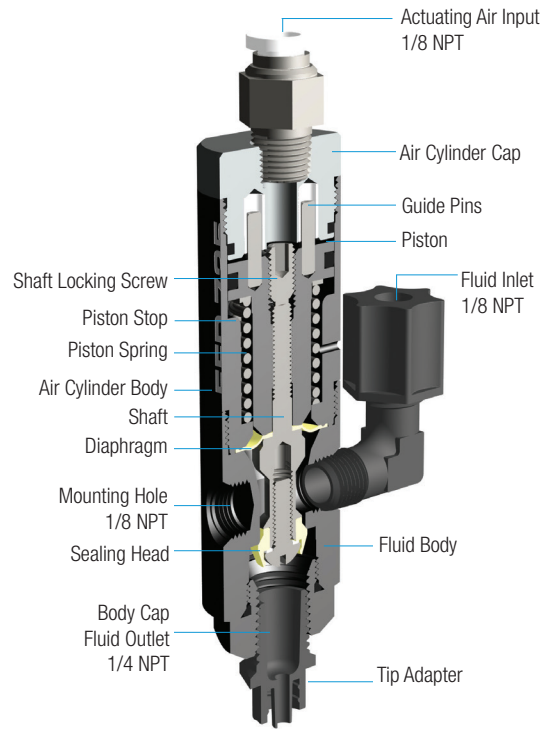
more info



Specifications

| Item | Specification |
|---------------------------------|-----------------------------------------------------------------------------------------------------|
| Size | 725DA-SS: 152.4L x 29.5DIA mm (6.00L x 1.16DIA") 725D-SS: 127.0L x 28.4DIA mm (5.00L x 1.12DIA") |
| Weight | 725DA-SS: 326.0 g (11.5 oz) 725D-SS: 279.0 g (9.85 oz) |
| Actuating air pressure required | 4.8–6.2 bar (70–90 psi) |
| Maximum fluid pressure | 7.0 bar (100 psi) |
| Fluid inlet | 1/8 NPT female |
| Fluid outlet | 1/4 NPT female |
| Mounting | (1) 1/8 NPT female blind hole or adjustable mounting block |
| Air cylinder body | Hard-coated anodized aluminum |
| Fluid body | 725DA-SS / 725D-SS: 303 stainless steel 725DA-AL: Aluminum |
| Piston | Hard-coated anodized aluminum |
| Diaphragm | UHMW* polyethylene |
| Maximum operating temperature | 43° C (110° F) |
| Warranty | 1 year, limited |

All stainless steel parts are passivated.
*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.

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. 725D Series valves are packaged with an Optimum dispensing tip kit for maximum fluid control. The kit includes smooth-flow tapered tips in sizes from 14 to 25 gauge, precision stainless steel tips in sizes from 14 to 21 gauge, and tip caps.

For high flow rates, 1/4 NPT one-piece polyethylene nozzles are 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



725D brazing paste on automotive transmission tubes.



EFD

For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to www.nordsonefd.com.

Global

800-556-3484; +1-401-431-7000
info@nordsonefd.com

Europe

00800 7001 7001
infoefd.europe@nordsonefd.com

Asia

China: +86 (21) 3866 9006; china@nordsonefd.com
India: +91 80 4021 3600; india@nordsonefd.com
Japan: +81 03 5762 2760; japan@nordsonefd.com
Korea: +82-31-736-8321; korea@nordsonefd.com
SEAsia: +65 6796 9522; sin-mal@nordsonefd.com

©2026 Nordson Corporation v050826