

Automatic Dispense Valves

High-performance automatic dispense valves provide uniform material deposition and excellent flow control for precise, consistent material application.



Features and Benefits

All Nordson automatic dispense valves incorporate the following features:

- **Air-actuated open/spring closed feature assures full flow in all applications.**
- **Spring-closed with air-closed option prevents leaking under high pressures.**
- **Precision mounting for end-of-arm robot tooling with precisely positioned dowel pins assure correct distance from the valve to the part, minimizing robot reprogramming.**
- **Replaceable seal cartridges allow for easy maintenance and repair of valves.**

Nordson automatic on/off dispense valves provide accurate deposition and control for applications requiring sharp material cut-off, as well as uniform beads and spray patterns. These valves are designed to handle a wide range of high performance, high-viscosity adhesives and sealants, including RTV silicones, grease, mastics, plastisols, epoxies, weldable sealers, urethanes and weldable/expandable sealers.

Nordson dispense valves are available with operating pressures up to 5,000 psi, and are capable of dispensing materials with viscosities up to 3,000,000 cps. Refer to the application chart in this literature to determine which valve best meets your specific material application requirements.



Auto-Flo Module

Auto-Flo™ Valve

The Nordson Auto-Flo valve is recommended for applications requiring high-pressure dispensing at high flow rates. Specially designed with a large ball-and-seat, the Auto-Flo is capable of handling pressures up to 5,000 psi.

- Recommended for dispensing high-viscosity RTV and weldable sealers.
- Large ball-and-seat design for improved material flow.
- Dispenses material in a uniform bead or kiss.



Automatic Dispense Valves

Auto-Flo Zero Cavity Valves

Nordson zero cavity valves provide accurate deposition and flow control for applications requiring clog-free operation, sharp cut-off and uniform bead patterns. Zero cavity valves feature a close-tolerance matched needle-and-seat assembly that eliminates the formation of minute material pockets. This design provides a self-cleaning action, preventing material blockages that can cause tails and adhesive stringing.



Zero Cavity Valve

Anti-Drool Valve

Nordson anti-drool valves are designed for positive on/off flow control, reducing the need for clean-up and rework due to material drips and run-on between beads and shots. The anti-drool valve features a negative pressure cut-off to ensure clean, drip-free application, even with low-viscosity materials.

- Recommended for dispensing high-viscosity
- RTV silicones, grease, mastics, plastisols, epoxies and weldable sealers.
- Negative pressure cut-off reduces drips, tails and stringing.
- Air open/air closed operation assures full flow with positive cut-off and prevents leakage under high pressure.



Anti-Drool Valve

Nordson zero cavity valves include:

- Stand-alone or manifold mount configurations
- 3mm or 4mm orifices
 - Recommended for dispensing low viscosity materials.
 - Needle-and-seat design provides positive bead cut-off, eliminating tails and stringing.

CE20 Valve

- Recommended for dispensing extremely viscous materials including urethanes and weldable/ expandable sealants up to 3,000,000 cps.
- Air-actuated open/air closed feature assures full flow in high-pressure applications.
- Durable high-pressure/high flow design with tapered needle and seat for better flow control and cleaner cut-off at higher pressures.
- Replaceable seal bonnet contains all seals for faster, easier maintenance, and reduced downtime.
- Precision mounting for end-of-arm robot tooling.
- In-line inlet/outlet port configuration prevents unwanted pressure drop, assuring consistent and accurate material deposition.



CE20 Valve

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Why choose Nordson

In highly competitive manufacturing markets, productivity is vital and performance is essential. That's why we apply both to everything we do, whether it's our products, expertise or outstanding customer service. We'll always be there to help maintain the new standards you've set, with expert service and support delivered through our teams working across the globe.

This unique Nordson approach helps you reach new levels of production, while working more accurately, efficiently and competitively than ever. Precisely why manufacturers who demand quality, can rely on Nordson.

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