



MDX VALVE

Mixing Dispense (MD) for Extremely (X) Fast Production



PROVEN QUALITY. LEADING TECHNOLOGY.

MIXING DISPENSE VALVE FOR EXTREME APPLICATIONS

Dispense Two Component High Wear Material at High Flow Rates

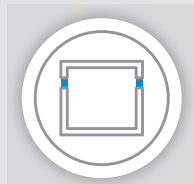
Graco MDX two component dispense valve is designed with an innovative fluid path and is ideal for material applications.

- **High Flow Rate:** Unique fluid path supports up to 150 ccs per second, depending on material viscosity.
- **Easy Integration for Automation:** Compact design efficiently fits into automated mix, meter and dispense systems.
- **Wear Resistant Option for Low Maintenance:** High wear resistant fluid path handles abrasive and viscous thermal interface material.

Applications



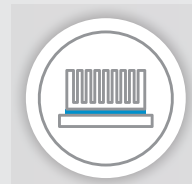
Bonding



Sealing



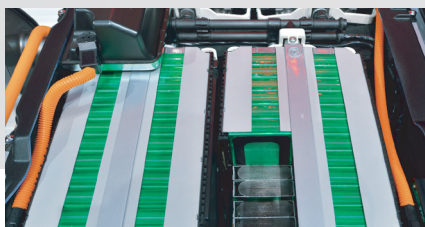
Potting



Thermal management

Industries

MDX can meet the high flow demands of battery, solar energy, and wind power production.



Electric vehicle batteries



Solar energy panels



Wind powered turbines

Materials

- Epoxies
- Acrylics
- Polyurethane
- Polysulfides
- Silicones
- Thermal interface materials



Compact design for easy integration

High wear resistant construction for low maintenance

High flow fluid path to meet high speed production demands

MDX
26D274

Accessories

Simplify installation with these options:



Ratio check nozzle
18F424



Fitting
122639



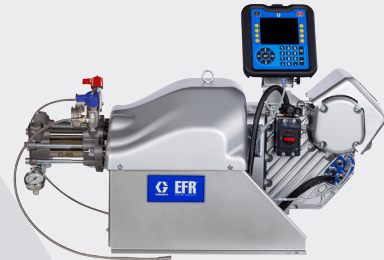
Mixer
513375

RECOMMENDED SYSTEMS

The MDX two component valve easily integrates with these Graco meter, mix and dispense systems:

Electric Fixed Ratio (EFR)

- Gain advanced control for sealant and adhesive applications that require consistent shots and beads.
- Maximum flow rate is 3,200 cubic centimeters (ccs) per minute.



Electric Variable Ratio (EVR)

- Mix, meter and dispense different material ratios and viscosities – all with the same equipment.
- Maximum dispensing volume is 6,400 ccs per minute.
- Dispense ratios can flex between 1:1 to 5:1 or 2:1 to 10:1.



Hydraulic Fixed Ratio (HFR)

- Hit a specific ratio and volume the first and every time with a variety of materials, from epoxies to elastomers.
- Up to 100 shot sizes and five sequences of 20 positions each can be programmed.
- MDX compatibility is ideal for high output applications requiring consistent flow rate.





TECHNICAL SPECIFICATIONS

Model	MDX
Maximum Flow Rate (depending on material viscosity)	150 cc/s
Dimensions (L x W x H) (without mixing nozzle)	5.72 x 5.72 x 11.625 in (145 x 145 x 295.3 mm)
Weight	26.79 lb US (12.15 kg)
Maximum Working Temperature	70°C (158°F)
Maximum Air Humidity	60%
Maximum Working Fluid Pressure	3000 psi (20.68 Mpa and 206.8 bar)
Maximum Air Pressure	100 psi (0.7 Mpa and 7 bar)
Air inlet size	3/8 O.D./10 mm O.D.
Fluid Inlet	3/4 NPT(f)
Fluid Viscosity Range	1 - 1,000,000 cps

ORDERING INFORMATION

PART NO.	Description
26D274	MDX Two Component High Flow Dispense Valve
551189	Grease Gun
513375	Mixer, 3/4 in. npt (m), with factor, metal shroud
122639	Fitting, Swivel, 1 npt x 3/4 npt, ff, ms, 3k, stainless steel
18F424	Adapter, ratio check 1:1



ABOUT GRACO

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

GRACO LOCATIONS

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SALES/ DISTRIBUTION/ SERVICE

Call today for product information or to request a demonstration.

800-746-1334 or visit us at www.graco.com/MD2.

Graco Inc. is registered to I.S. EN ISO 9001

