



# EVR METERING SYSTEM™

Versatile and accurate two component  
variable ratio dispensing



PROVEN QUALITY. LEADING TECHNOLOGY.



# EVR METERING SYSTEM™

## VERSATILE AND ACCURATE TWO COMPONENT VARIABLE RATIO DISPENSING

Easily change ratios on the fly with electric variable ratio (EVR) metering. Graco's high flow system can move up to 6,400 cubic centimeters (ccs) per minute, while flexing dispense ratios anywhere between 1:1 to 5:1 or 2:1 to 10:1.

### RELIABLE, DURABLE PUMPS

Z-Pumps achieve on-ratio metered continuous flow and shots. Z-Pumps with Elite construction with stand the most abrasive adhesives and sealants, such as thermal interface materials (TIMs).

### DIGITAL RATIO CONTROL

An onboard HMI (human machine interface) makes it easy to change ratios and monitor system performance.

Such versatility allows manufacturers to mix, meter and dispense different materials with the same equipment. Changing material or viscosity no longer means putting production on hold to swap out hardware or pumps.



### ROBUST ELECTRIC DRIVES

Motors designed and manufactured by Graco are virtually maintenance free, providing smooth, powerful, and precise operation.

### INDEPENDENT MOTORS

One electric motor per pump lower doubles your horsepower, allows the processing of high viscosity materials.

### FLEXIBLE INTEGRATION

Discrete or serial communication ports connect to factory PLC (programmable logic controller) for efficient process control (including pressure relief) and data reporting.

## TECHNICAL SPECIFICATIONS

EVR METERING SYSTEM™	
MAXIMUM FLUID PRESSURE	3500 psi (24 MPa, 241 bar)
MINIMUM INLET FLUID PRESSURE	50 psi (0.35 MPa, 3.5 bar)
POWER REQUIREMENTS	240V or 480V
FLUID INLET SIZE	¾ NPT (f)
FLUID OUTLET SIZE	½ NPT (f)
VISCOSITY RANGE	20 to 1,000,000 cps
MAXIMUM FLUID TEMPERATURE	120 F (50 C)
WEIGHT	425 lbs (193 kg)
WETTED PARTS	Stainless steel, zinc-plated carbon steel, brass, tungsten carbide, chrome, fluoroelastomer, PTFE, ultra-high molecular weight polyethylene, silicon nitride
SHOT SIZE RANGE	0.3 cc to continuous
MAXIMUM FLOW RATE	2 to 6400 cc/min (depending on material viscosity)
RATIO RANGE	1:1 – 5:1 / 2:1 – 10:1

## COMPATIBLE ACCESSORIES

Electric variable ratio (EVR) metering works well with:

- Bulk unloaders, supply pumps, and day tanks
- MD2, MDX, and TC valves

MD2



MDX



TC



### MATERIALS:

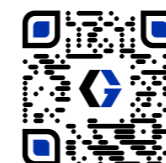
- Thermal Interface Materials (TIMs)
- Epoxies
- Silicones
- Urethanes
- Acrylics

### APPLICATIONS:

- Thermal Management
- Gasketing
- Bonding
- Sealing
- Potting
- Encapsulating

### MARKETS:

- EV Battery
- eMobility
- Automotive
- General Industry
- Electronics



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Visit us at [www.graco.com](http://www.graco.com) for more information.



## OUR BRAND PROMISE TO YOU

Since 1926, **innovation**, **quality** and **A+ Service** have been at the centre of Graco.

### Experience Innovation

Our focus on innovation results in products and equipment that lead the industry with technologically-advanced features, pioneering design, high performance and unparalleled reliability. In short, innovation is how you get better products!

### Building Quality

You're investing in high-quality products built to last for years of reliable service. Moreover, we partner with our customers to better understand how you're deploying our products in the field, then use your experiences to improve performance and durability.



### A+ service, every time

You'll see A+ Service in action when you contact any of our support services options no matter where you are in the world. We'll listen to your situation and work methodically to resolve it as quickly as we can. We are guided by a mindset of integrity and a customer service view centred on collaboration and relationships, not transactions.



We're here to answer questions and help address your needs:

[www.graco.com/contact](http://www.graco.com/contact)

Graco is certified ISO 9001.

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