

# **HFR Metering System**

Hydraulic Fixed Ratio Metering System





### It's All About Control

High-performance precision metering

### The rules have changed

The versatility of the Graco HFR Metering System<sup>™</sup> promises to re-define the marketplace. That's because this hydraulic, fixed ratio metering system processes multiple materials – from rigid and flexible polyurethanes to elastomers and epoxies. And its modular design, combined with Graco technologies and precision dispensing capabilities give you a system that is advanced and reliable, yet affordable.

## Accurate, on-ratio dispense means less waste, more profits

With the Graco HFR Metering System, you accurately hit a specific ratio and volume – first time, every time. As the machine dispenses material, it automatically fine-tunes and adjusts to achieve a consistent material flow or pressure. With a  $\pm 1\%$  ratio accuracy, you reduce scrap and rework with accurate, on-ratio dispensing.

#### More technology for less capital investment

The Graco HFR Metering System is a high-quality meter, mix and dispense system that offers more technology and functionality – at a lower price than traditional custom RIM systems. A low initial investment allows you to participate in the marketplace where it may not have been possible before.

#### You benefit from a lower total cost of ownership

The system's horizontal pumps can be rebuilt at your facility, eliminating costly rebuilds and the need for backup pumps. Less downtime, reduced maintenance costs, and lower parts inventory mean more profits for your company.

#### **Materials**

Handles multiple materials including:

- · Polyurethane foams
- Polyurethane elastomers
- Epoxies
- Silicones
- Polyureas
- · Soft filled materials

#### **Applications**

- · Polyurethane processing
- Coating

Low viscosity application such as:

- Batch processing
- Potting
- Encapsulating
- Vacuum infusion

## **Graco HFR Metering System**

Fully configurable – simply select what you need for your material and application

#### Modular design gives you exactly what you need

A modular design gives you the freedom and flexibility to configure the components that are essential for your specific application requirements — no more, no less. Standard configured equipment can be delivered to your door much faster than a custom solution. Plus it's easier to use and service than custom equipment because you use standard parts. And with Graco's established global distribution network, service is there when you need it.



# **Technical Specifications**

Everything you need to make an informed decision

### **Technical Specifications**

Dimensions	
Mix ratio range	Fixed ratio, 1:1 to 16:1, shot to continuous flow
Ratio tolerance range	Up to ±1%
Fluid filtration	
Flow rates	
Minimum	0.12 gpm (7.5 cc/s)
Maximum	5.0 gpm (316 cc/s)
Fluid inlets without feed kits	
Max. mixed fluid working pressure	
Min. pump inlet fluid pressure	50 psig (0.3 bar, 0.03 MPa)
Max. ambient temperature	120°F (49°C)
Weight	
Base machine	
Fully configured	
Fluid viscosity range	up to 30,000 cps
Wetted parts	
Pumps (A and B)	Stainless steel, PTFE, UHMWPE, tungsten carbide
Manifold	
Applicator	
Primary heaters	



