

FF-2500™

PLURAL-COMPONENT AIR DRIVEN METERING UNIT

- World renown proportioning unit is durable, ideal for today's high performance, plural component polyurea, polyurethanes and hybrid coating systems
- Designed for economical, low output spraying or pouring of plural component chemical systems
- New mass style heater eliminates the need for o-rings
- Compact, lightweight, and mobile design



Corrosion Protection



Concrete Coatings



Bedliner's



Technical Data

	<u>U.S.</u>	<u>Metric</u>
Maximum Output:	1gal/min	3.78 liters/min
Maximum Rated Pressure:	2500 psi	172 bar
Viscosity:	250-1500 cps	250-1500 cps
Air Requirement:	26 SCFM @ 100 psi	12 liters/sec @ 7 bar
Electrical:	45 amps @ 1 x 220; 60 Hz	8.7 Kw
Weight:	140 lbs	63 Kg
Actual Dimensions:	H=24 in/ W=26 in / D=30 in	H=61 cm/ W=66 cm/ D=76 cm

Standard Features

Air Motor: Double acting cylinder, with self-actuating control, alternates the supply of air to each end of the cylinder to drive the metering pumps. A solenoid operated air valve operates in conjunction with quick exhaust valves to accelerate the reversing cycle. Rated operating pressure is variable from 50 to 100 psi (3.5-7 Bar). Air pressure to hydraulic pressure ratio is 25:1. An electric stroke counter enables operator to keep accurate records of materials used, and to compute chemical yield.

Metering Pumps: The FF-2500 is equipped with fixed ratio, positive displacement, double acting piston pumps. Hard chrome plated piston rods and cylinder walls to provide the most reliable pumping system available. An internal piston packing set has a self-adjusting take-up. Over-pressure safety switches on each pump deactivate the air motor should safe pressure limits be exceeded.

Cam Follower Guide Connecting Yoke: Eliminates asymmetrical forces and increases pump packing life by assuring proper alignment and balance between air cylinder and pumps.

Self Flushing Packing: By providing a lubricating rinse, the shaft seal cavity is protected from hardened isocyanate on the pump shaft. This will significantly extend the life of the pump seal and reduce maintenance downtime.

Pump Retract: Automatically positions the pump shaft completely within the cylinder during shut down to provide longer pump packing life.

Externally Accessible Valve Balls: Innovative pump design incorporates readily serviceable valve balls and removable ball seats without pump disassembly.

Quick Exhaust Valves: Specially designed exhaust valves accelerate the reversing cycle of the air cylinder to maximize pressure stability.

Completely Mobile: The lightweight, compact design of the FF-2500 allows for simple mobility around your plant and to the jobsite. The base plate is designed to be easily fork lifted or skid mounted to facilitate on-site transportation and maneuvering.

In-Line Filter Screens: Protects valve balls and gun components from fouling due to unwanted dirt and particles in the system.

Dual Air Regulation: Provides equal pressure on both the up and down stroke to help eliminate pattern fluctuations at the gun.

Heated Hose: Proven safe and reliable GUSMER'S LOW VOLTAGE Automatic Hose Heating System.

Hose Power Pack: Provides operating power for the hose heating system. Isolation design separates the low voltage system for operator protection.

Primary Heater: 6000 watt heater that automatically Controls material viscosities and process temperatures.

Automatic Hose Heat: Provides completely automatic temperature control of the hose heating system. The temperature is measured through a remote temperature sensing unit (TSU) strategically located inside the heated hose.

Digital Temperature Display: Digital readout of the hose and primary heater temperature provides the operator with a simplified, convenient method of viewing operating parameters during operations.

Mix Heads/Spray Guns: A wide variety of standard and specialty application mixing heads are available for Spray, Pour, or Injection to meet virtually all production requirements.

Gusmer TX-50 Processor: Provides 100 separate programmable channels for automatic timed shot selection.

Encoder: Used with the Gusmer TX-50 processor to automatically dispense a metered amount of material.

Hoses: Available in 50 foot (15.2 m) lengths up to 310 feet (94.5 m).
3/8" x 50' (.95 cm x 15.2 m)
1/4" x 10' (.64 cm x 3.1 m)

*Ask about our new FF-2500
Equipment Package.
Configured to meet your needs.*

Optional Features

Material Supply: To insure complete filling of Model FF-2500 metering pumps, both components should be pressure fed using Gusmer 2:1 transfer pumps or pressurized supply tanks. Material should be protected from atmospheric moisture via Gusmer air dryer and regulator.

Auxiliary Proportioning Pump: Auxiliary pump assemblies are available and can be field retrofitted to meter one or two additional chemical components such as resin, blowing agent, catalysts, flame retardants and coloring.



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WARNING: The equipment described herein must only be operated or serviced by properly trained individuals, thoroughly familiar with the operating instructions and limitations of the equipment.

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NOTE: All standard and service specifications identified on this GUSMER technical sales flyer are based on U.S. standards.