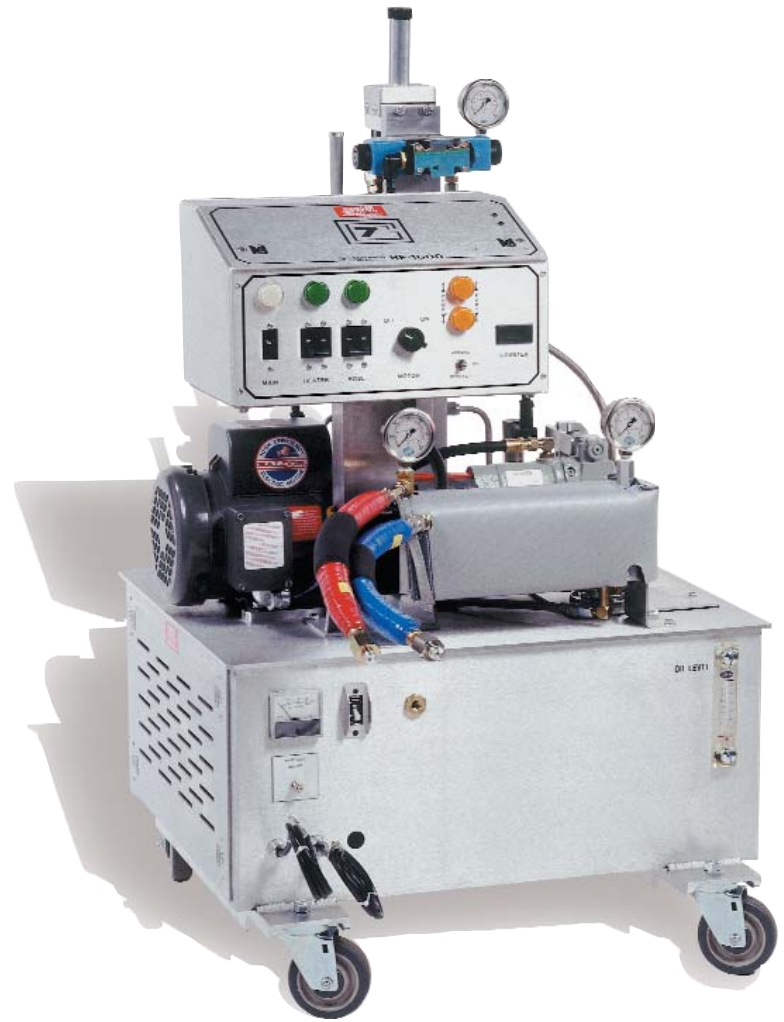


HF-1600

PLURAL-COMPONENT HYDRAULICALLY DRIVEN METERING UNIT

- Electrically and hydraulically operated. No industrial size compressor required *
- Seal-less design provides a truly leak-free heater
- Hydraulic operation offers more precision and better pattern continuity
- Excellent for on-site construction, in-plant and laboratory use



* Air is required to operate Gusmer guns & supply pumps.



Cavity Fill/Insulation



Construction



In-Plant



Technical Data

	<u>U.S.</u>	<u>Metric</u>
Maximum Output:	16 lbs/min	7 kg/min
Maximum Rated Pressure:	1600 psi	110 bar
Viscosity:	250-1500 cps	250-1500 cps
Electrical:	48 amps @ 1 x 230v; 50/60 Hz 46 amps @ 3 x 230v, 50/60 Hz	11 Kw 11 Kw
Weight:	397 lbs	180 kg
Dimensions:	H=44 in/ W=28 in/ D=28.5 in	H=111 cm/ W=71 cm/ D=72 cm
Maximum Supply Pressure:	250 psi	17 bars

Standard Features

Hydraulic Drive: A double acting hydraulic cylinder drives Gusmer's FF pumps by a self-actuating reversing system. Hydraulic power is supplied through a positive displacement pump driven by a motor. Pressure is variably controlled by an adjustable compensator on the hydraulic pump. An electrical stroke counter enables the operator to keep accurate records of materials used and to compute chemical yield. The hydraulic reservoir is fitted with a removable access cover for easy cleaning. A suction strainer is provided to assure filtered pump supply, and can be removed for service through the access cover, without draining the oil.

Metering Pumps: The Hydraulic HF-1600 is equipped with constant displacement, double acting piston pumps. Hard chrome-plated piston rods and cylinder walls provide one of the most reliable pumping systems available. Over-pressure safety switches on each pump deactivate the control circuit and pump action should the preset pressure limits be exceeded.

Cam Follower Guide Connecting Yoke:

Eliminates asymmetrical loading and increases pump packing life by assuring proper alignment and balance between hydraulic cylinder and pumps.

Lube Pump System: A totally enclosed lubrication system with reservoir continually flushes the pump shaft seal cavity with a lubricating rinse to wash away weepage and protect the shaft from hardened isocyanate.



Ask about our HF-1600
Equipment Package.
Configured to your needs!

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

Externally Accessible Valve Balls: Innovative pump design incorporates readily serviceable valve balls and removable ball seats without having to completely disassemble the pump.

Completely Mobile: The lightweight, compact design of the Hydraulic HF-1600 allows for simple mobility around your plant or jobsite. The casters can be removed and the castor holes used for permanent mounting in a vehicle or foam application station.

In-Line Filter Screens: Protects valve balls and gun components from fouling due to unwanted dirt and particles in the system. Screens are easily removed for cleaning or replacement.

Open Modular Construction: The unit is designed to offer easy access to all components.

Oversized Reservoir: Reduces operating temperature of hydraulic fluid.

Heated Hose: Proven safe and reliable, Gusmer's low voltage hose heating system maintains temperature throughout the length of the hose.

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

Primary Heater: Constructed without o-rings, this truly leak-free design uses metallurgic science for accurate control of system viscosities and process temperatures.

Optional Features

Material Supply: To insure complete filling of the HF-1600 metering pumps, both components should be pressure fed using Gusmer 2:1 transfer pumps. Material should be protected from atmospheric moisture.

Automatic Hose Heat: Provides automatic temperature control of the hose heater. The temperature is measured through a remote temperature sensing unit. Digital temperature display allows the operator a simplified, convenient method of setting and viewing operating parameters on the jobsite.

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

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

Auxiliary Proportioning Pump: Auxiliary pump assemblies are available and can be field retrofitted to meter one or two additional chemical components.

Mixing Heads/Spray Guns: A wide variety of standard and specialty application mixing heads are available for spray, pour, or injection to meet your production requirements.

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)
1/4" x 50' (.64cm x 15.2 m)

Varied Ratio Operation: The Hydraulic HF-1600 will process a wide range of system ratios from 1:4 to 4:1. The fixed ratio adjustment is made by substituting smaller or larger metering pumps of various sizes. All pump sizes are interchangeable and can be ordered through Gusmer to fit custom applications.

**GUSMER**
CORPORATION

One Gusmer Drive • PO Box 2055
Lakewood, New Jersey USA 08701-8055
Phone: (732) 370-9000 • Toll Free: 1-800-367-4767
Fax: (732) 905-8968 • Email: info@gusmer.com
Visit Our Website At: <http://www.gusmer.com>

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.

NOTICE: All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty or responsibility of any kind expressed or implied. Statements or suggestions concerning possible use of GUSMER Equipment are made without representation or warranty that any such use is free of patent infringement, and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures may not be required.

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