

H-2000/H-3500

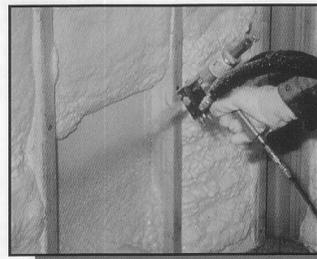
- Upgradable to 3500 psi.
- Hydraulically operated to accurately dispense plural component chemical systems.
- State of the art controllers provide automatic control of chemical process temperatures.
- Excellent machines for spray or pour applications at higher viscosity and tougher to mix chemical systems.



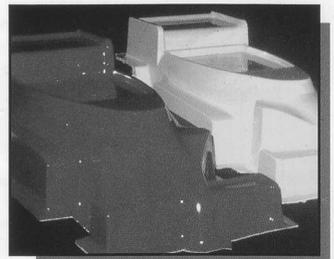
Elastomer Processing



Cavity Fill/Insulation



Construction



OEM

**Multi-Component High Pressure
Metering Unit**

GUSMER[®]
CORPORATION

	U.S.
Maximum Output:	30/20 lbs/min*
Minimum Output:	2 lbs/min
Maximum Rated Pressure:	2000/3500 psi*
Weight:	385 lbs
Dimensions:	H=47 in/ W=40 in / D=22 in
Electrical:	103 amps @ 1 x 220v; 60 Hz 45 amps @ 3 x 220v; 50 Hz 45 amps @ 3 x 220v; 60 Hz 38 amps @ 3 x 380v; 50 Hz

	Metric
	14/9 Kg/min*
	1 Kg/min
	138/240 bar*
	175 Kg
	H=119 cm/ W=102 cm/ D=56 cm

*Data is for H-2000 and H-3500 respectively

Standard Features

Opposed Piston Metering Pumps: Patented design offers in-line shafts, assures pressure stability throughout the pumping cycle, and eliminates asymmetrical loading for longer packing life.

Automatic Temperature Control: Features the unique Gusmer hose heater and control system; a superior system for controlling hose heat automatically. Solid state interchangeable hose and primary heater controllers maintain chemical temperature.

Separate High Flow Maximum Efficiency Pre-Heaters: State-of-the-art technology allows two 6000 watt heaters to deliver instantaneous response and maintain stable chemical temperatures.

Self-Flushing Packing: The pump shaft seal cavity is constantly bathed in a lubricating rinse to protect it from hardened isocyanate on the pump shaft. This will significantly extend the life of the pump seal and reduce maintenance downtime.

Externally Accessible Valve Balls: Innovative pump design and a remote pump base allow for simplified pump maintenance and readily serviceable valve balls without having to completely dismantle the metering pump.

Metering Pumps: The H-2000/3500 is equipped with positive displacement, double acting piston pumps. Various standard pump sizes are available to provide specific fixed ratio ranges of 1:1 to 4:1, A to B or B to A. UHMW seals are combined with hard chrome plated piston rods and cylinder walls to provide the most reliable pumping system available. Over pressure safety switches on each pump deactivates the hydraulic motor at 2000/3500 psi respectively.

Pump Retract: Automatically positions the isocyanate pump shaft completely within the cylinder to prevent contamination from moisture and provide longer pump packing life.

Circuit Breaker Switches: Double-pole magnetic design conveniently and safely controls the main and individual circuits.

In-Line Filters: Protect valve balls and gun components from fouling due to contamination or particulate matter in the chemical system.

Material Supply Valves: Ball-valve design provides for rapid on-off selection of the material supply to accelerate filter maintenance.

Completely Mobile: Quiet, ball-bearing mounted casters facilitate moving and positioning of the metering unit.

Optional Features

H-3500 Conversion Kit: If you currently own an H-2000 and need higher operating pressures, a conversion kit is available and can be field retrofitted to increase the units operating pressure from 2000 psi to 3500 psi at reduced output. The kit is complete with instructions, metering pumps, hoses, pressure gages, and fittings.

Auxiliary Proportioning Pump Assembly: Available in several sizes and designed to be used for proportioning a third chemical component such as resin, blowing agent, catalyst, flame retardant, etc. Pumps must be pressure fed by conventional methods and each size provides infinitely adjustable third component proportioning. Applications dictate required pump size.

Blowing Agent Pressure Feed Assembly: Designed for use with DuPont Dual Port Pressure Flow Cylinder (145 lbs). Includes high pressure nitrogen regulator and interconnecting nitrogen charging and refrigerant supply hoses.

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

Raw Material Tanks: 30 and 80 Gallon ASME coded steel tanks constructed for operation at 150 psi (10 bar) are available. Optional sizes are obtainable upon special order. They are equipped with Low Level Shut-off, Tank Level Visual Display System, and all necessary connections for dry air or nitrogen blanket. All tanks are outfitted with a removable lid for easy access and optional equipment mounting. (Jacketed Raw Material Tanks also available)

Raw Material Transfer System (55 Gal. Drum): Includes (2) Gusmer 2:1 Transfer Pumps, Air Supply Hose, Material Supply Hoses, and all necessary fittings.

Raw Material Tank Autofill: Automatically controls tank liquid levels.

Mix 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' (9.5 mm x 15.2 m)
1/2" x 50' (12.7 mm x 15.2 m)
1/4" x 10' (6.4mm x 3.1 m)

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

NOTICE: All statements, information and data given herein are believed to be accurate and reliable but are present responsibility of any kind expressed or implied. Statements or suggestions concerning possible use of GUSMER E representation or warranty that any such use is free of patent infringement, and are not recommendations to infringe 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 flier are based on U.S. standards.

DISTRIBUTED BY: **POLY-SOURCE INDUSTRIES INC.**
#1-19725 Telegraph Trail
Langley, BC
Canada V1M 3E6
Tel: 604-888-3505
Fax: 604-888-3503