



GPFR 1000 Gear Metering System

Complete Adhesive Dispensing System for Urethane and Epoxy Formulations

Precise Ratio - Accurate Dispensing

Applications Include

- Filter manufacturing
- Beading
- Rapid prototype
- Casting
- Molding
- Sealing
- Bonding

Standard Features

- Two positive displacement gear pumps
- Static or Dynamic mix/dispense valve
- Portable cart
- Wide range of tanks

Available with
DYNA-STAT[®]
dynamic mix
valve



Portable cart consolidates
entire system on a single platform



On-board vacuum pump

GPFR 1000 with two 15-gallon heated vacuum tanks
Portable cart with on-board vacuum pump
Digital shot control, pot life timer

Ashby Cross Company

28 Parker Street Newburyport, MA 01950

www.ashbycross.com 978-463-0202

GPFR1000

Adhesive Dispensing System

Features

- Adjustable ratio - 1% increments
- Precision gear metering pumps
- Ratio Accuracy within 1% by volume
- Variable flow
- Dispensing - Intermittant to continuous
- Flow rate to 3200 cc/min (ratio dependent)
- Gear pumps include wet cup seals to protect packings

Specifications

Ratio range 100:100 to 100:8 by volume

Air supply: 100Psi

Voltage: 220V 3 phase

Options

Heating with proportional control

DYNA-STAT^R dynamic mix/dispense valve

Vacuum degas

Tank agitation

Shot size control

Pot life timer

Reservoir level sensors

Auto fill from bulk

Proportional
heat control



Digital shot
control



Pot Life
Timer

Tank probes
provide actual material
temperature



Precision gear pumps
Wet cup reservoirs
maintain seal integrity



Hand-held or stationary
mix/dispense valve



Pressure/Vacuum
tanks with agitation and
vacuum degas



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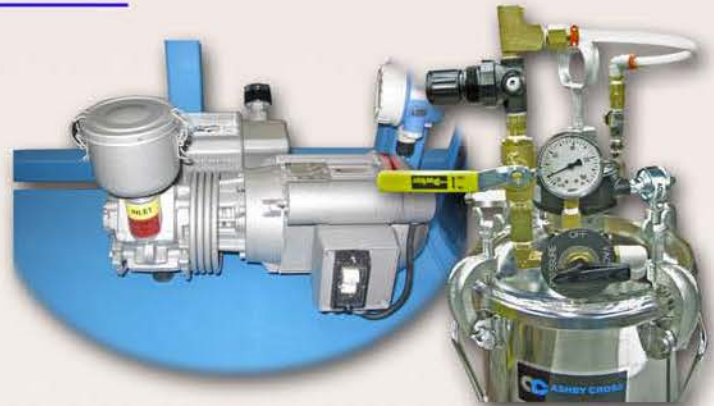
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OPTIONS



Heated tanks with proportional control

50 RPM, electric motor driven agitators with dynamic seals allow vacuum to 2 Torr, assure uniform heat distribution, degass, and solids suspension



Vacuum pump, gauges, plumbing, regulators, and pressure vacuum valve provide a complete vacuum degass system



Sight tubes for visual level detection



Volumetric (measured) shot size controlled by encoder assures accurate, repeatable dispensing. Minimum shot size achievable is machine dependent



Ultrasonic level sensors are highly reliable, unaffected by materials and provide alarm to prevent running dry



Pot life timer prevents material from curing in the mixer

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Options



Hand-held dispense gun brings the adhesive to the work - allows greater flexibility

Portable cart adds flexibility in production layout - simplifies maintenance - consolidates all components onto one platform



Integration with X-Y tables

Feed Systems



55-Gallon transfer pump



55-Gallon transfer pump with agitator and pneumatic lift



Agitated pressure tank with transfer pump



5-Gallon pail pump with low level sensor



5-Gallon ram induced pump used with paste and high viscosity materials



55-Gallon ram induced pump used with paste and high viscosity materials