

Patriot™ Gelcoat System

GELCOAT METERING SYSTEM



PATRIOT™
Precision & Performance

Unique Patriot™ Metering System

**Catalyst-to-Resin Variances of
Less Than 1%**

Lower Production Costs

Modular Versatility

MAGNUM VENUS PLASTECH™

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STANDARD SYSTEM SPECIFICATIONS:

Output Capabilities:

approximately 1 - 8 lbs./min. (.45 - 3.6 kg/min.)

Catalyst:

0.75% to 2.5% by volume

Pump Ratio:

5" Powerhead: 15:1

7" Powerhead: 30 :1

Maximum Fluid Outlet Pressure:

1500 psi (76 bar, 7.6 MPa)

Maximum Air Input Pressure:

100 psi (7 bar, 0.7 MPa)

Air Consumption:

5 - 7 CFM (142 - 198 L/min.)

Displacement:

2.45 in.³ (40.15 cc)/stroke or 4.90 in.³ (80.3 cc)/cycle

The M.V.P. Patriot Gelcoat Systems features the lowest pressure pumping system available, easy setup, easy operation and easy maintenance with Magnum Venus Plastech's renowned durability.

Precision and accuracy are the keys to success and the Patriot™ Gelcoat Systems offer a positive displacement pump design that delivers highly accurate ratio control of $\pm 0.1\%$. This precision is the tool used to correct many of the quality issues, such as porosity, pre-release, post curing, cracking, alligating, inconsistent thickness and more that currently face composites manufacturers.

The Patriot™ Gelcoat Systems feature a deep induction heat hardened Fluid Section which is then coated with a thick hard chrome layer to increase the wear characteristics of the system, allowing it to run for longer periods.

Both the Fluid Section and Catalyst Pump on Patriot™ feature the new "self-healing" seal that has the lowest coefficients of friction available today. This seal does not require packing adjustments, and greatly reduces the problems associated with heat buildup and wear.

Patriot™ Systems are built with modular components to create the optimum configuration for your needs, and keeps you running. Utilizing quick-change components extends the system life and allows for little or no down time. The major components change out in 10 minutes or less.

Choose your preference: available in internal and external mix configurations that both deliver versatile and precise gelcoat performance.



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