



GAMMON TECHNICAL PRODUCTS, INC.
P.O. BOX 400 - 2300 HWY 34
MANASQUAN, N.J. 08736

PHONE 732-223-4600
FAX 732-223-5778
WEBSITE www.gammontech.com
STORE www.gammontechstore.com

**VIPER
ECLIPSE**

**BULLETIN 161
(04-18)**



VIPER ECLIPSE
CONTROL BOX

Self-Monitoring, Self-Adjusting - "Eclipses" so-called "Smart" systems that only alert you when they fail.

Truly a Breakthrough. The operator selects either "Additive" or "No Additive". The rest is automatic. The additive concentration in PPM and percent is continuously displayed on the back lighted screen. Also displays gallons of fuel and additive for each fueling.

Wide Operating Range 1 to 1,600 GPM, -40 to +150 F, operates with 1 or 2 meters at the same time. Additive rates from 1.5 to 1,750 ppm.

Easy Installation, No Heavy Electrical Load, unlike competitor's products. The Viper Eclipse is compact, uses almost no power and little compressed air.

Easy To Install and Retrofit. The Eclipse is compact

Field Repairable and Adjustable! It should run without repair for 50,000,000 gallons treated, and then just require a field rebuild to make it like new. No Viper has ever gone out of adjustment in 6 years on the market.

Just How Accurate is the Viper Eclipse? A Viper Eclipse set for 1000 ppm injecting FSII (Prist, DiEGME, etc.) will maintain accuracy within 10 ppm (0.1%).

Can I add the Eclipse Control Unit to my present Viper? Yes. Just add the additive flow meter. The Eclipse Monitoring system replaces the existing control box.

How Complex is the Installation? No pipe cutting needed. Comes with all tubing and wiring. Requires meter pulsers, but can share an existing pulser.

Viper Eclipse

SURPASS EXPECTATIONS

Fully automatic additive injection system
Auto-monitoring - Self-adjusting
The ultimate in additive injection systems
Longer life and less expensive

STANDARD, *NOT OPTIONAL* FEATURES:

Digital Readout - ppm, percent, totals

Alarms and Warning Lights - Hi/Lo

High Flow Strainers - Inlet and Outlet

Atomizing Injection Nozzle

Inject - Off - Calibrate Valve - Included

Double Acting Pump - Nearly continuous additive flow

Flow Indicator - High Visibility, Included

BENEFITS:

Low Air and Electric Usage

No Electric Motor - No overheating or electrical/battery load problems

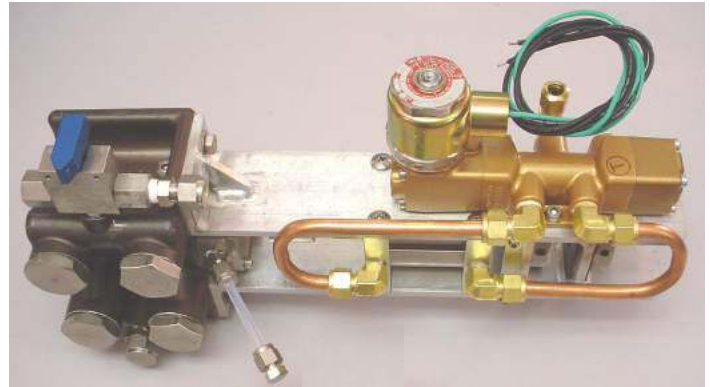
No Diaphragms - Accurate, Repeatable

No Pipe Cutting - No Bulky Equipment

SEE BACK FOR ORDERING INFORMATION

FEATURES INCLUDED

- Positive Displacement Piston Pump
 - Near Continuous Flow - Double Acting
 - High Visibility Flow Indicator
 - Injection Nozzle for Good Blending
 - Self-Cleaning Rubber Seated Check Valves
 - Teflon Piston and Shaft Seals
 - Test and Calibrate Modes
 - Additive Meter Calibration Mode
 - Pump Priming Mode (if reservoir is run dry)
 - Leak Indicator for main seal
 - Cold Weather Circuit Heater - Automatic
 - Backlit Digital Display with: PPM, Percentage, Fuel and Additive Flow Totals
 - Easy to Use Oversized Switches even with gloves on
 - All Swagelock S/S tube Fittings (the best)
 - S/S Tubing Included
 - Air Control with Lubricator and Regulator
 - Graduated Calibration Bottle
 - High and Low Indicator Lights
 - Automatic Shutoff if Beyond Limits
 - Dual Inlet and Outlet Strainers
 - All wiring, fittings and hardware included
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- NO Electric motors or heavy wiring
 - NO Wide Tolerance for Additive Accuracy
 - NO High battery drain
 - NO Diaphragms or Cam Adjuster
 - NO Pipe cutting
 - NO Add-on Flow Indicator - It is included!
 - NO Add-on Calibration Valve - Included!
 - NO Location Problems, Mount anywhere!
 - NO Hidden costs, everything is included
 - NO Need to re-calibrate frequently
 - NO Need to send back to factory for minor repair
 - NO Metal-to-metal check valves; ours are O-ring sealed and replaceable. Self-cleaning design.
 - NO High cost repair items
 - NO Regular repairs needed, estimated seal life 50,000,000 gallons treated
 - NO Need for reservoir to be higher than injector
 - NO Need for Viper pump to be in your way



OPTIONS

- Viper Mounted On Bracket
- Viper Mounted on 10 Gallon Tank Bracket
- Viper Mounted on 5 Gallon Pail Bracket
- 5 Gallon Plastic Pail Holder
- Pail Suction Assembly
- 5, 10, 12, 15 or larger Stainless Steel Reservoirs Available
- Longer Injection Nozzles than Standard
- Kits to Convert other Vipers to Eclipse

HOW TO ORDER

