

CUSTOM ENGINEERED SYSTEMS

Custom-Configured and Installed to meet the Specific Requirements of our Clients

**Fluid
power**

Flow of the Fuel powers the Injector.
NO OUTSIDE POWER SOURCE NECESSARY

CUSTOM ENGINEERED SYSTEMS Designed for LOW or HIGH GPM Rates

Hammonds Engineering can design a self-contained system with custom accessories suited to the client's specific size, flow rate and additive injection requirements. From our smallest **Model 150** injector to the largest **Model 2400**, Hammonds can integrate the options and accessories needed to provide an injection system uniquely suited to a client's particular needs.

- Proportion to flow additive blending
- Fixed or mobile skid installation
- DOT compliant trailers
- Weather enclosure panels
- Stainless Steel additive tanks
- Hose reels
- Pressure control valves
- Custom epoxy paint, CARC and powdercoating

GPM Flow Rates per Model

Model 150 (7-75 GPM)	Model 600 (20-250 GPM)	Model 800 (75-700 GPM)	Model 1000 (100-1100 GPM)
Model 1400 (300-1500 GPM)	Model 1600 (500-2000 GPM)	Model 2000 (600-4000 GPM)	Model 2400 (1000-8000 GPM)

PROPORTION to FLOW Additive Blending

As with all Hammonds Fluid-Power Injectors and Injection Systems, the flow of the fuel is the only power source that is necessary. No outside source is required. Because the injector is powered by the flow of fuel, a constant and accurate additive to fuel ratio is maintained. Faster fuel flow results in more additive being injected, and conversely, slower flow results in less additive being injected. This ensures that the correct injection to fuel rate remains in place throughout the process. In addition, the flow of fuel provides a blending of fuel to additive that is always even, accurate and thorough. Additive is never injected by "slugs" or "pulses" like some systems.

Hammonds[®]

Fluidpower

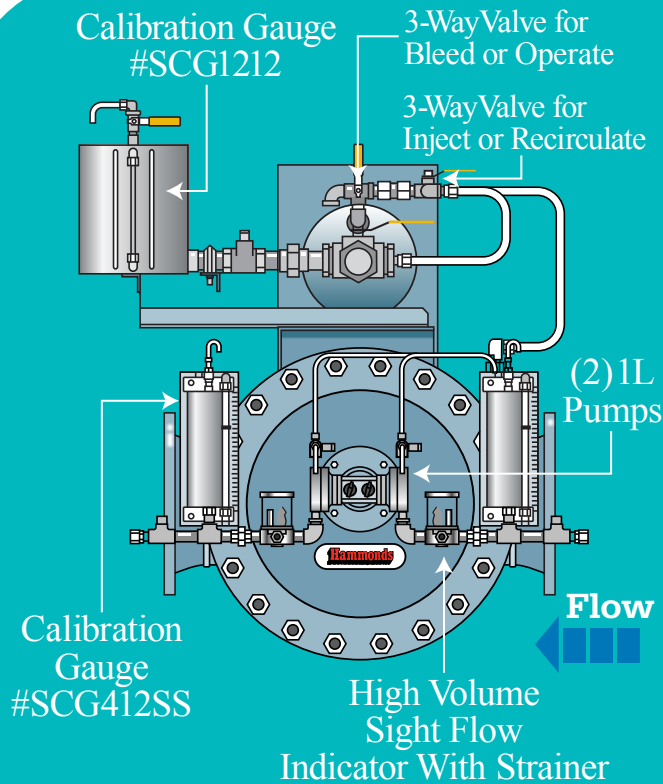
3-YEAR WARRANTY

Ask a Hammonds' Rep about our Extendable 3-Year warranty

INNOVATION—pure and simple

Hammonds[®]

6807 West Little York Road • Houston, Texas 77040 • (800) 582-4224

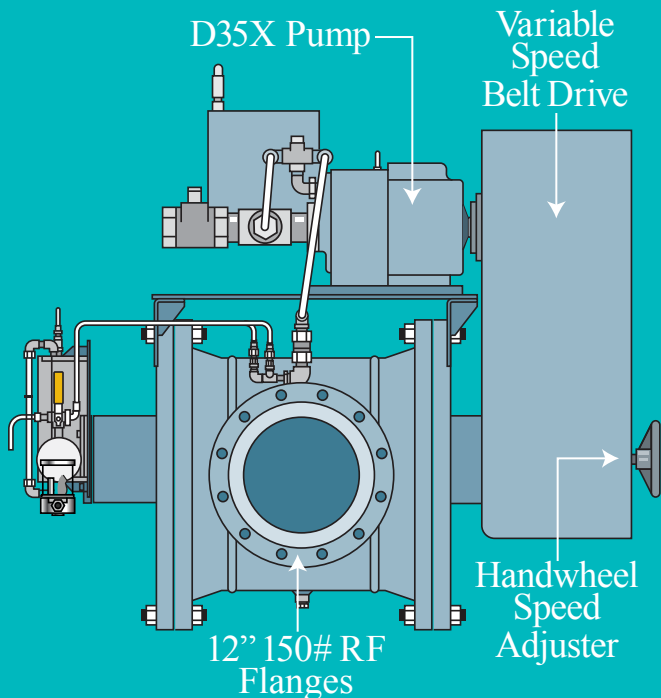


CUSTOM ENGINEERED SYSTEMS

Custom-Configured and Installed to meet the Specific Requirements of our Clients

Fluid power

Flow of the Fuel powers the Injector.
NO OUTSIDE POWER SOURCE NECESSARY



SPECIFICATIONS

- Number of additives: Up to eight
- Injection ratios: <1 - 4,000 PPM
- Minimum injection ratio: <1 PPM
- Materials of construction:
 - Housing: carbon steel fabrication or optional: stainless steel
 - Additive Injector: Wetted parts 300 series stainless steel
 - Elastomers: Viton®, Teflon® Neoprene®
 - Mechanical seal: Carbon on ceramic and carbon on tungsten carbide
- Products handled: Fuels, oils, chemicals
- Normal operating ranges: 1000 - 8000 GPM
- Product temperature range: -40° to +120°F (-40° to +50°C)
- Maximum product line pressure: 1,000 PSI, 150 PSI higher pressures available available with HP Housing and Seals
- Maximum additive viscosities: To 10,000 SSU (Depending on injection rate)
- Duty cycle: Intermittent-continuous

CONSTRUCTION MATERIALS

- Carbon Steel fabrication or optional: stainless steel
- Metering Pump: All wetted parts 300 series stainless steel
- Elastomers: Aflas®, Viton® and Teflon®; other elastomers available upon request
- Mechanical Seal: Carbon on Ceramic, optional Tungsten on Carbon

Over **11,000** Systems Installed—WORLDWIDE—

INNOVATION—pure and simple



6807 West Little York Road • Houston, Texas 77040 • (800) 582-4224