



**UNASSISTED
SINGLE or MULTIPLE
Additive Injection**

**Model 2400
(1000-8000 GPM)**

designed for...**BULK FUELING** and
associated **HIGH FLOW** fuel transfers
requiring **PRECISION** additive injection

The **Model 2400** can deliver up to 4 additives each at different blend ratios simultaneously. The **2400** offers precision injection of additives meeting the requirements of delivery terminals, high volume delivery vehicles and waste water treatment plants.

As with all fluid-power units, no outside power source is necessary. The flow of the fuel provides all the necessary energy to run the additive injection process. The **2400** can be custom-built and installed to meet the particular needs of our clients. The **Model 2400** is a completely self-contained system that offers totally unassisted injection. Product meters and pulsers are not required allowing a simple and economical installation that provides the customer with a thorough blend of additive and fuel in the correct proportions every time.

—MODEL 2400 STATS—

Product Flow Range BPH /GPM	PPM Injection Range	Product Piping Size
1425-11,420 BPH /1,000-8,000 GPM	<1 - 2,000 PPM	10" - 20"

model 2400

Terminal and Pipeline Additive Injection

Custom-Built and Installed
to meet the specific requirements
of our clients

Fluid power

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

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

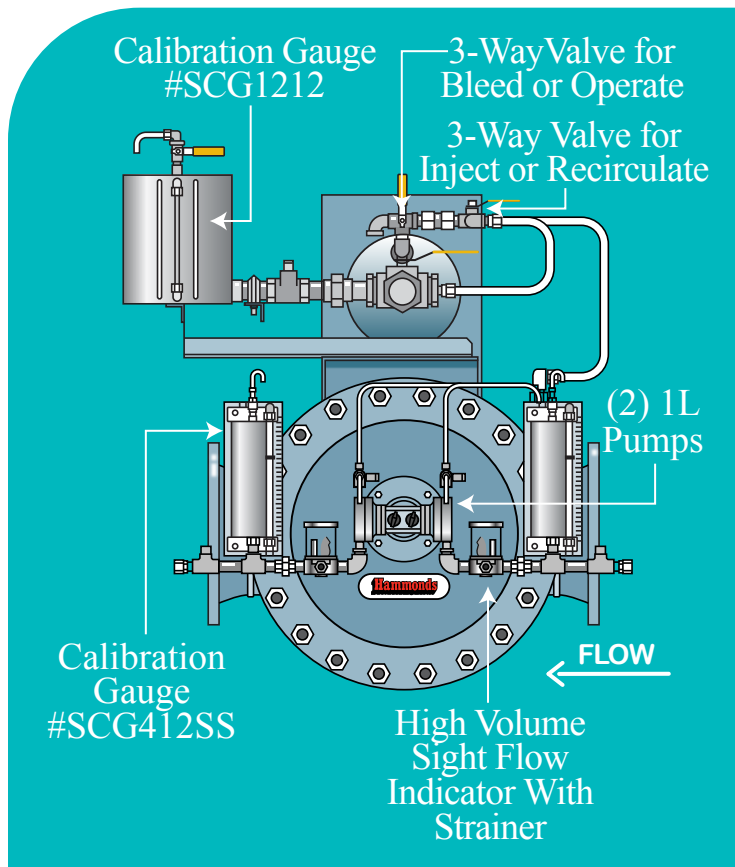
3-YEAR WARRANTY

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



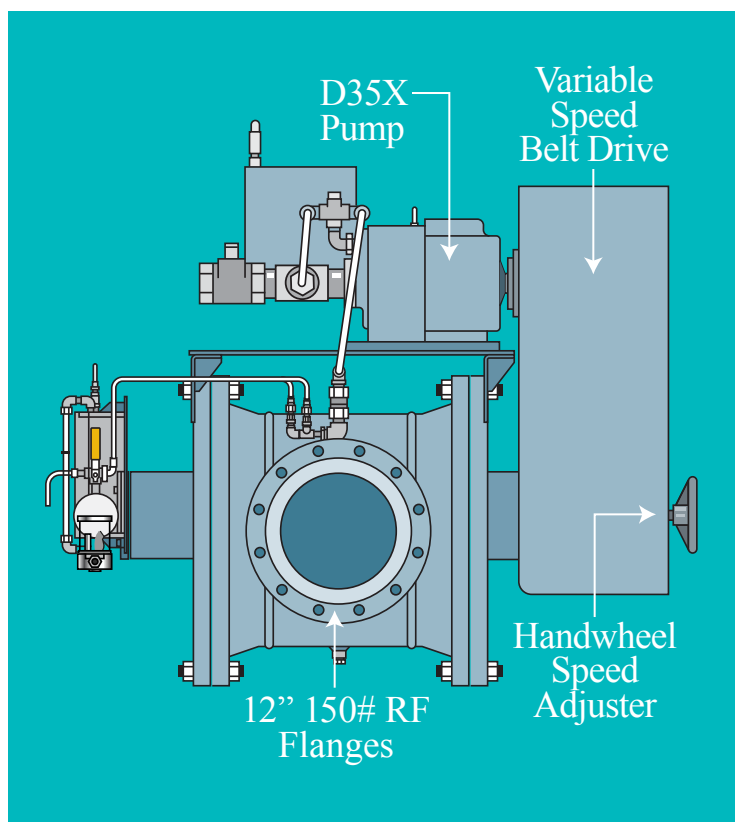
model **2400**

Terminal and Pipeline Additive Injection

Precision Additive Blending at high GPM flow rates...

**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)
- Product line working pressure: 150 class flanges 285 psi at 100°F
- 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



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