



Additives Injection Systems



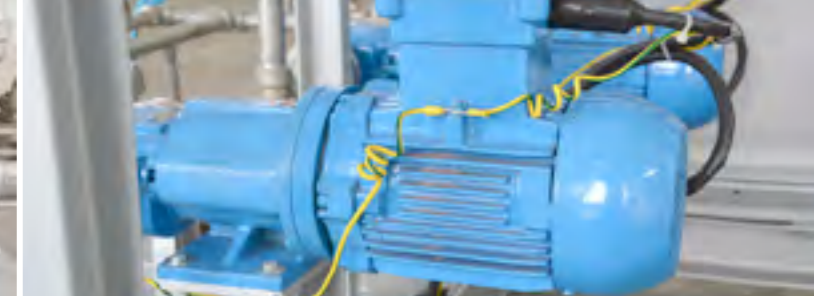
Our additive injection skids are typically used for metered, small-volume additives such as corrosion inhibitors, and are designed to interface with Accuload/ Microload electronic registers. Available with a variety of tank sizes, single or double wall tanks, and Flame Shield or Fire Guard tanks. Options include stainless steel pump in stade of carbon steel, handheld controller, tote-tank kit, and dual or triple point injection (consult sales for full list of options).

Benefits

PGS offers a complete customized skid package with a range of reliable measurement products and components, depending on specific requirements, selected from reliable manufacturers.

PGS manufactures complete additive systems for petroleum and petrochemical applications worldwide. All PGS skids are built to meet specific customer requirements. A modular design ensures the product can be easily packed and shipped to the customer's site via truck, rail, or cargo ship.

PGS skids are also designed to minimize re-assembly and startup expense once the skids are delivered on site.



One-Stop Solution

Working as pressuring systems, the additive pump skids are designed based on additive injection application requirements to ensure optimum operation of customer's additive injection system at the load rack.

Every completed pump assembly is fluid-tested to ensure proper fit and operation. Our additive pump skids are typically used for metered small volume additives and designed to interface with different brand of flow computers as Accuload/Microload FMC.



Electrical components

Explosion-proof electrical enclosure with circuit breaker, dual motor starter, Hand-Off-Auto switch, A/B selector switch, A/B run lights, & reset buttons

- Pump sequential PLC
- Level switches
- Level transmitter
- A sounder/beacon for alarm signal
- Interconnecting conduit and wiring.

Available sizes

- Up to 10000 Liter tank size available
- Tole tank or barrel kits available.

Flow rates

Standard flow rates from 0.2 - 2m³/h.

Strainer / Air release

In-line strainers / air eliminators are located at the highest elevation in the system, where gases breakout, to protect the metering system against dirt / other contaminants / air introduced by hoses.

Design features

Mechanical components

- Inlet ball valve
- Line y-strainer
- Pressure relief valve
- Pressure gauge
- Outlet isolation ball valve
- Pump outlet check valve assembly
- Racks are galvanized or painted white
- Single pump or dual (redundant) pump configuration
- Interconnecting piping, tubing
- Level gauge

Additional options

- Each pump start will alternate between Pump A & Pump B
- Switch to alternate pumps if one fails
- Time delay shut-off
- High pressure pump switch
- Temperature product alarm
- Additive injectors
- Totaliser.

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