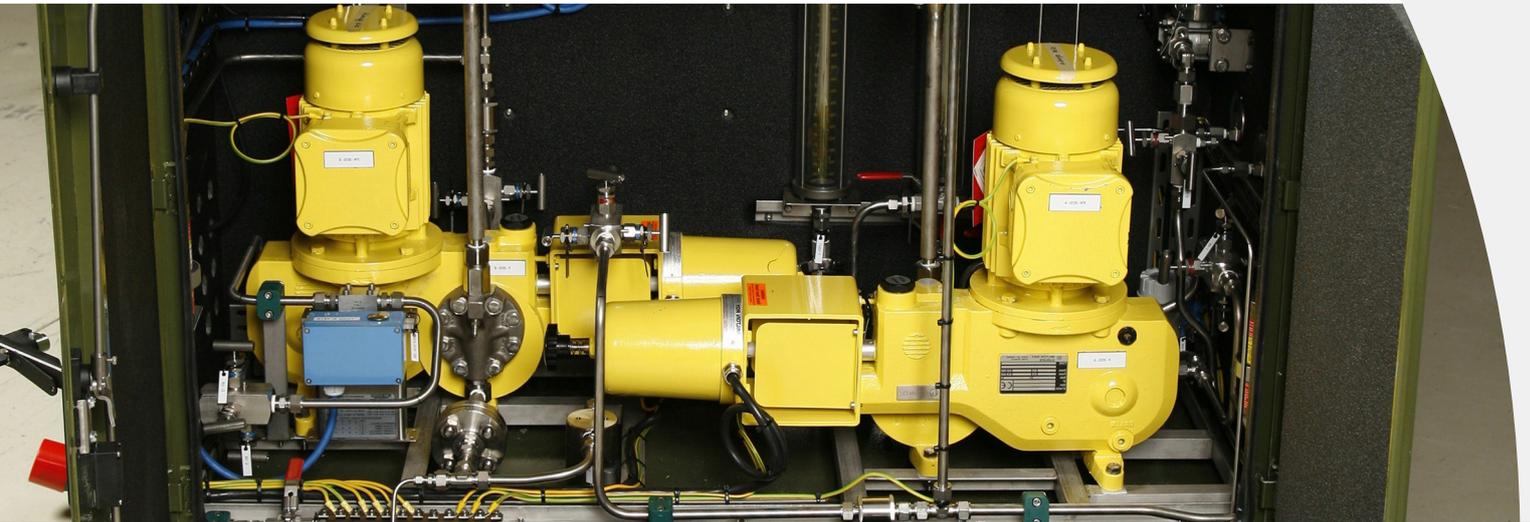


Chemical Injection



Injecting chemicals into an oil or gas stream is sometimes recommended to keep a well or chemical system up and running. For accurate and exact injections, you have to take into account important variables like flow rate and injection pressure. We offer complete skid-mounted solutions for a wide range of chemicals.

COMPLETE SOLUTIONS

Our Chemical Injection & Dosing skids are equipped with measurement tools and regulators with optional remote read-out transmitters. The extensive range, from the pneumatically driven Williams pump with ceramic plungers to the electrical equivalent from Milton Roy, can be made of a variety of materials to withstand the chemical containment.

CHEMICAL INJECTION

The Chemical Injection skids can be used for the injection of a wide range of chemicals using the pump brands specified by our customers. These skids are placed in an open environment at the customer's pre-fabricated location providing the necessary interconnections and drain facilities.

Protection/control

- The Injection systems include over-pressure protection
- Output pressure can be controlled by means of a high flow regulator
- A sun/rain roof provides environmental protection
- Open floors prevent dirt/dust build up
- Pump control is designed to integrate with the clients control system
- Pressure transmitter for remote read out
- Internal or external reservoir

Testing/standardization

- Tested and certified according to EN12079 for offshore use

ELECTRICALLY DRIVEN INJECTION SKIDS

These skids are designed to be integrated with the customers DCS/Control systems. An electrically operated valve can also be installed for remote control of the injection line. Easy access to the pump adjustment is provided and a read-out of the injection rate with a mass flow meter is another possible option.

Foam injection

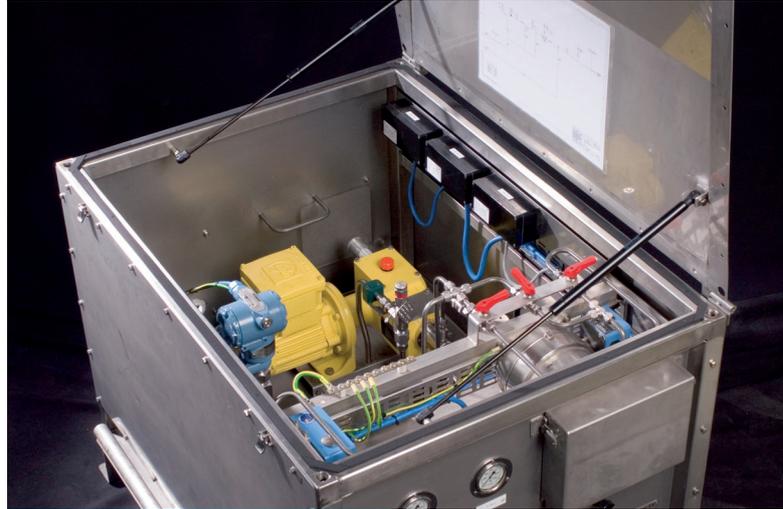
A typical example of our Injection skids is a Foam Injection skid which is used for the purpose of deliquifying gas wells. The electrically driven Milton Roy pump generates a positive flow against the well pressure below the water column. The generated foam is then lifted by the gas: bringing the well back to life. Depending on the flow injection rate, the skid can be equipped with an internal reservoir.

Standardization

Offshore skids are built according to EN12079. Easy transportation using forklift channels and lifting equipment, if necessary these facilities can be supplied with certification.



Electrically driven injection skid



Foam injection skid



Pneumatic driven injection skid

OTHER AVAILABLE OPTIONS ELECTRICALLY DRIVEN INJECTION SKIDS
Atex certification
Hose and cable reels
Pressure transmitters for remote read out
Mass flow meters for remote injection information
Flame proof motor start/stop control

PNEUMATIC DRIVEN INJECTION SKIDS

These skids are used for chemical injection of various fluids. A wide range of combinations and solutions are available when using our extensive range of pumps, for example the pneumatically driven Williams pump with ceramic plungers. Not only do they have high accuracy, but also simple manual flow adjustment over the full flow range.

Custom made

Based on the requirements of the customer, multiple outputs can be combined into one enclosure using different pump selections. Dual output systems with various output combinations are available on the same skid with a high pressure output line. The system enclosure can be custom built in SS-316 material or by using standard GRP housings.

OTHER AVAILABLE OPTIONS PNEUMATIC DRIVEN INJECTION SKIDS
Atex certification
Pressure transmitters for remote read out
Mass flow meters for remote injection information
Flow proportional controlled injection
Coated steel/SS-316 mounting frame
Isolated enclosures injection