







## One-Stop Solution

Chemical Injection is a 24/7 requirement in the Oil & Gas production process both onshore and offshore. Various chemicals are used, many in critical applications, to remove formation damages, clean blocked perforations, reduce corrosion, improve crude oil quality, flow-assurance in the well, well bore, pipeline transportation infrastructure, process and production facilities.

Within the Oil & Gas industry, the requirements for Chemical Injection Packages are very diverse depending on the application and location, the number of chemicals and injection points, and changes to production conditions and output.

The chemicals are transferred from the tank to the injection point by means of injection pumps, while flow rates can be adjusted locally or remotely in order to ensure that the correct amount of chemicals is injected.

PGS designs, engineers and manufactures a fully instrumented Chemical Injection Package to meet the control and monitoring specific requirements of our customers at various industry standards.



## Technical Details

- Materials ranging from carbon steel to alloys.
- Safety-Specific instruments and Process-Specific instruments.
- Various types of Control panel :
  - Explosion containment protection.
  - Flame-Proof.
- Atmospheric tanks come in a variety of shapes :
  - Cylindrical and rectangular.
  - Single and multi-compartment.
  - Horizontal and vertical.
  - In compliance with international standards .
- High and low Injection pressures and flows.
- Different types of pumps and couplings.
  - Centrifugal pumps.
  - Gear pumps.
  - Magnetic drive.
  - Mechanical coupling.



## Benefits

- Design according to customer requirements, application, standard and design codes.
- Pump selection as per process parameters.
- Material selection in respect of compatibility with the chemical to be injected.
- Electrical components in compliance with ATEX Standards.
- Packages designed and manufactured to guarantee :
  - Space efficiency.
  - Ease of operation and maintenance.
  - Cost-efficient modular design.
  - Flexibility.
- Custom-built for best performance.
- High Quality products.
- Various injections applications range : Paraffin dispersant, Corrosion inhibitors, Multi-Function Inhibitor, Chemical additives, ...

## Options

- Pump redundancy configuration.
- Pressure-regulating valve.
- Interfacing to host systems (safety, SCADA, TAS, HMI ....).
- Injection pumps can be configured for atmospheric tanks filling from third party source.
- Possibility to build a separate package for Atmospheric tank filling.
- Pumps in compliance with API675.



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