

API 675 CHEMICAL INJECTION PUMP SKID PACKAGES

Amarinth Chemical Injection pump skid packages for the Oil & Gas markets, deliver multiple metered chemicals into the process. They are designed to minimise space whilst providing fully automated process control of up to ten API 675 positive displacement pumps, and are fully ATEX compliant. All API 675 pump materials are available as standard, plus bespoke options including NACE compliant materials. Standard documentation, testing and NDT packs are offered to fit your exact requirements.

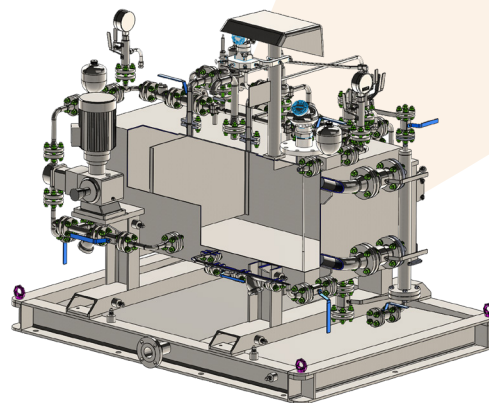


General description	Individually designed Chemical injection skid packages incorporating up to ten API 675 positive displacement pumps in a variety of alloys complete with integrated pipework and automated process control where required
Construction	Weld fabricated frame and pipework with integrated API injection pumps to suit
Design methodology	Advanced computer techniques, 3D modelling, CFD & FEA
Design standards	ASME B31.3, ASME VIII, PED, ASME IX, AWS D1.1, API 675, ATEX EC-Directive 2014/34/EU
Design pressure rating	1350 barg @ 38°C
Suction pressure rating	Atmospheric
Temperature rating	100°C
Performance envelope	
Flow Rate	Up to 19 m ³ /h per pump
Discharge pressure	Up to 1250 barg
Speed	Up to 1200 rpm
Maximum pumps	10
Configuration	Open, semi-open and fully-enclosed skid frame designs
Frame Sizes	Up to 8m x 6m x 4m (l x w x h)
Design life	30 years (3 years uninterrupted operation)

API 675 CHEMICAL INJECTION PUMP SKID PACKAGES

key features

- Optimised layouts
- Pump piping loads
- Integrated junction boxes and controls
- Smart tagging
- Calculations including structural
- Seismic shock
- Loading and blast



options

Driver

Electric motor inc. VSD options
Air driven

Instrumentation

Pressure gauge
Pressure transmitter
Pressure differential gauge
Pressure differential transmitter
Temperature gauge
Temperature transmitter
Flow transmitter

Integrated Control

Flow
Pressure
Temperature
Duty
Standby
Shutdown

materials

Skid-frame

Carbon steel
Galvanised steel
Stainless steel

Pipework

Stainless steel
Hastelloy
Titanium

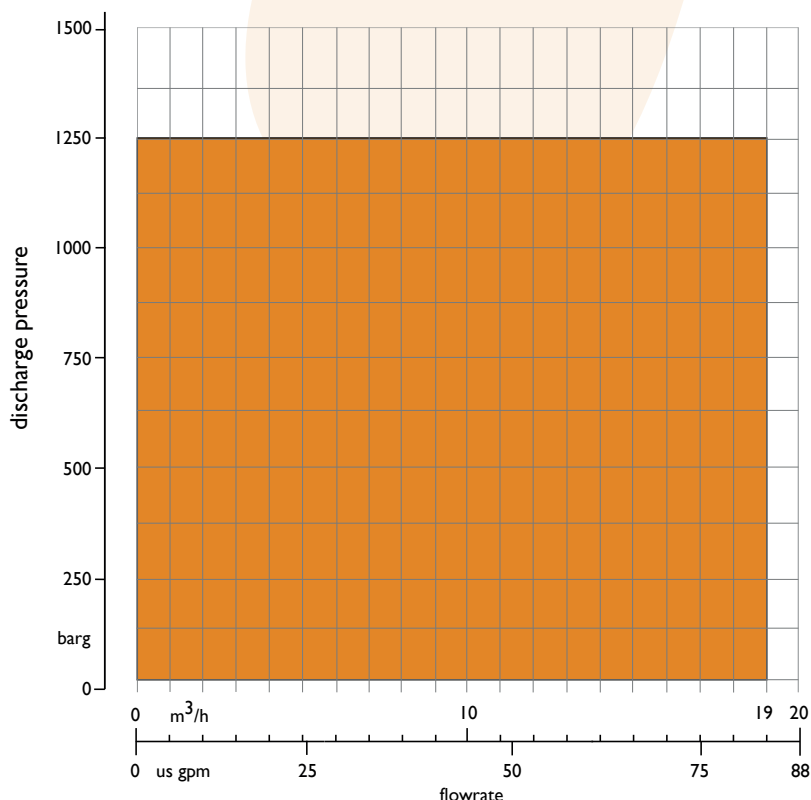
Casing

Stainless steel
Hastelloy
Titanium

Impeller

Stainless steel
Hastelloy
Titanium

skid package hydraulic coverage



typical applications

- Clean in place CIP
- Dosing package



Amarinth

Bentwaters Parks, Rendlesham, Woodbridge,
Suffolk IP12 2TW. United Kingdom
tel: +44 (0)1394 462 120
fax: +44 (0)1394 462 130
e-mail: enquiries@amarinth.com
web: www.amarinth.com