

# QUINTEPLEX PUMPING UNIT



Sanjel's Quinteplex Pumping Unit is a high-pressure pumping unit with a high power to weight ratio, capable of pumping fluid or carbon dioxide for virtually all hydraulic fracturing operations. Available in several pump configurations to provide the most desirable balance between pressure and pumping rate for any application, Sanjel's Quinteplex Pumping Unit is a powerful and versatile package.

## Applications

- High pressure pumping of fluid or CO<sub>2</sub>
- Conventional fracturing operations
- Foam fracturing operations
- Fracturing through coiled tubing
- High rate slick water fracturing

## Equipment

- 1675 kW 12 cylinder diesel engine
- Heavy duty 1865 kW input rated transmission
- Quinteplex fracturing pump
- 3" Fig. 1502 discharge iron

## Instrumentation and Control Systems

- Sanjel developed PLC based control system featuring:
  - Auto rate control capability
  - Auto pressure control capability
  - Electronic overpressure protection
  - Emergency shutdown safety feature
  - Pre-warming capability for engine, transmission and pump to reduce delay time on location
  - Ability to operate unit remotely or from local control panel
  - Multi-unit control by single operator
- Compatible with Sanjel developed automatic fueling system

## Performance

- Maximum Rate: 3.2 m<sup>3</sup>/min @ 28 MPa with 127 mm plunger
- Maximum Pressure: 103 MPa @ 0.9 m<sup>3</sup>/min with 102 mm plunger

## Pumped Fluid Compatibility

- Water
- Gelled fluids
- Hydrocarbon fluids
- CO<sub>2</sub>
- Acid