MP1 Multiphase Twin-Screw Pump

Applications
- Surface pumping
- Downhole artificial lift
- Water re-injection
- Wet gas compression
- CO₂ re-injection
- Flare gas re-injection
- Pipeline boosting

Operating Parameters
- Flows to 2800 m³/h (12 330 US gpm)
- Pressure to 100 bar (1450 psi)
- Temperatures to 150°C (350°F)
- Viscosities to 200 million SSU
- Gas volume fractions from 0% to 100%

One-Piece Integral Rotor
- Low vibration, low pulse amplitude design
- High shaft strength and torque-handling capability

Versatile API 682 Seal Chamber
Accommodates multiple seal types and meets HSE regulations without modification

Split Bearing Bracket Construction
Simple bearing maintenance without disturbing mechanical seals

Large Volume Casing Trap
- Dynamic sealing for pumping multiphase mixtures
- Effective heat dissipation

Experience In Motion