

**REGAL**

## Oil & Gas Product Guide



**REGAL**

[www.regalaustralia.com](http://www.regalaustralia.com)



### ESP (Electric Submersible Pump) Drive

- Downhole motor / pump speed & torque monitor and limiter
- Operates without downhole pressure and surface flow sensors
- Pump flow monitor and production accumulator
- Pump speed optimisation
- Embedded drive, transformer, cable and downhole models
- Programmable pump off control
- Cyclic and time-of-use energy optimizers



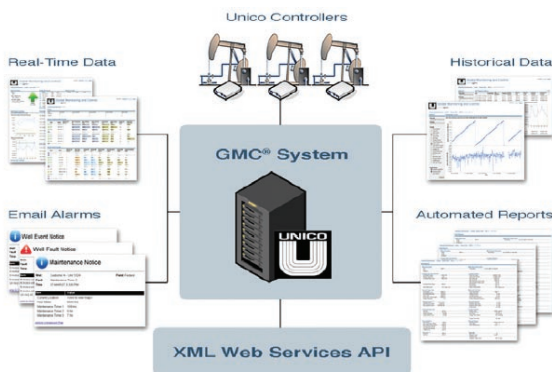
### PCP (Progressive Cavity Pump) Drive

- Rod, tubing, casing, pump, fluid and reservoir models
- Real-time multiple constraint optimisation
- Downhole pump speed and torque monitors
- Optional downhole pressure and surface flow sensor inputs
- Optional casing and tubing pressure sensor inputs
- Automatic restart from faults and power outages
- Sensorless fluid level and flow estimation
- Pump suction, discharge and differential pressure monitors
- Stick-slip oscillation damping



### SRP (Sucker Rod Pump) Drive

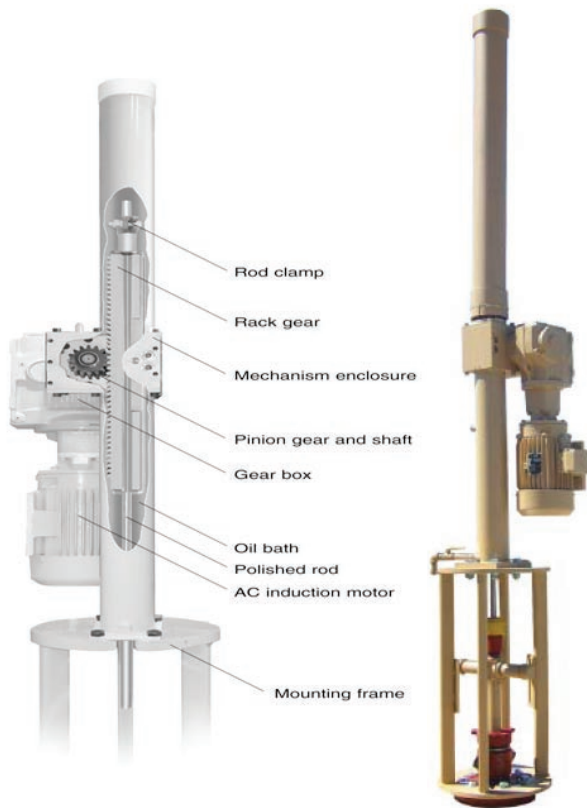
- Real-time multiple constraint optimization
- Pumping unit, rod string and downhole pump models
- Rod, tubing, casing, pump fluid and reservoir models
- Conventional, phased crank, beam balance and air balance, Mark II, Reverse Mark and Rotaflex geometries
- Operates without rod load and position sensors
- Pump flow monitor and production accumulator
- Actual surface and pump dynamometer graph generators
- Bridle separation monitor and minimum rod load control



### GMC® (Global Monitoring and Control) System

- Provides a hosted real-time data collection platform for remote monitoring of Unico controlled wells
- Support for ESP, PCP, SRP and LRP pump types
- Operational and production data collection
- Alarms and notifications
- Analysis and reporting tools
- Automated well reports
- Sensor and peripheral support
- Mobile data access via iPhone and iPad apps.





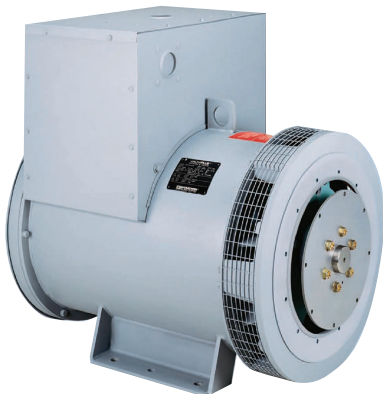
## LRP® (Linear Rod Pump) Systems

- The LRP® pumping unit is a rack-and-pinion actuator that reciprocates a sucker rod pump via a forward and reverse direction
- The LRP® mounts directly to the wellhead as the polished rod runs through a channel inside the rack and is suspended from the top by a conventional rod clamp.
- The LRP® unit is small, lightweight, and easy to transport saving on installation costs.
- The low-inertia design of the LRP® system permits better control of the rod string, resonance damping, fast response to changing condition and more precise speed control.
- The LRP® system is the ideal choice for environmentally sensitive installations. It is quiet, unobtrusive, and does not require site grading, mounting pads, or other well site disruptions.
- The LRP® system incorporates Unico's SRP sucker rod pump control software to optimize production while protecting the pumping system.



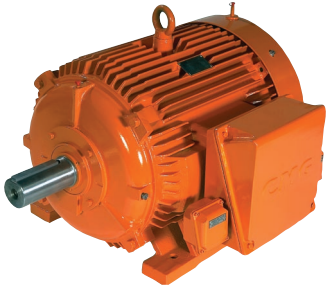
## GPL® (Gas Powered Lift) Systems

- The GPL® combines a power source (generator) and advanced well automation control (variable speed drive) into the one compact unit.
- Specifically designed for continuous operation
- Operation from natural gas, liquid propane or low energy natural gas.
- Automatic switchover between wellhead and propane tank.
- Fuel conditioning system with fuel-specific engine control
- 1.6L to 8.1L units available.



## MARATHON MAGNAPLUG ALTERNATORS

- Single & Double bearing 5 - 420 KVA
- Brushless design
- Reconnectable 240 VAC /12 leads out
- Easy mount SAE adaptors
- Class H
- 2 / 3 pitch winding design to minimise harmonic distortion
- Linkboards standard
- Encapsulated AVR voltage regulator
- Digital AVR / PMG ready
- CE,CSA and UL registered.



## PPAN

- ExnA Hazardous Area Certified
- Zone 2 , Group II (A, B & C)
- T3 (200 degrees) 60 C ambient
- IP66
- Class H Insulation
- Thermistors std
- Available 80 - 400 frames
- 2, 4, 6, 8 pole
- Fan forced ExnA kits to suit VSD
- Oversized terminal box

## PPAE Series

- Exe Hazardous Area Certified
- Zone 1 , Group II (A, B & C)
- T3 (200 degrees) 50 C ambient
- IP66
- Class H Insulation
- Thermistors std
- Available 80 - 400 frames
- 2, 4, 6, 8 pole
- Flexible voltage range
- Oversized terminal box



## HPD

- Exd Flameproof Certified
- Zone 1, Group I & II B
- T4 temperature class
- IP66
- Class F
- Thermistors std
- 80 - 315 frames
- 2, 4, 6, 8 pole
- MEPS 2 compliant
- Top Mount terminal box for ease of termination

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