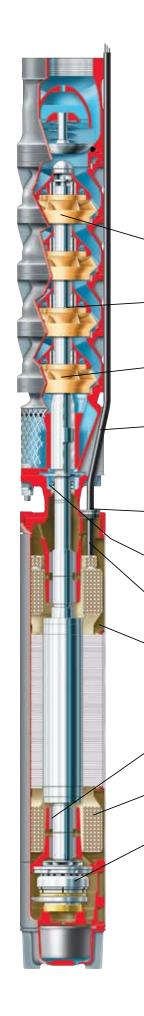


# **Submersible Pumps and Motors**



### Pleuger<sup>®</sup> Water-Filled Design

Pleuger submersible units offer an extraordinary range of performance.

The water-filled and wet wound motors are environmentally friendly, provide high efficiency and offer great reliability.

### Pumps

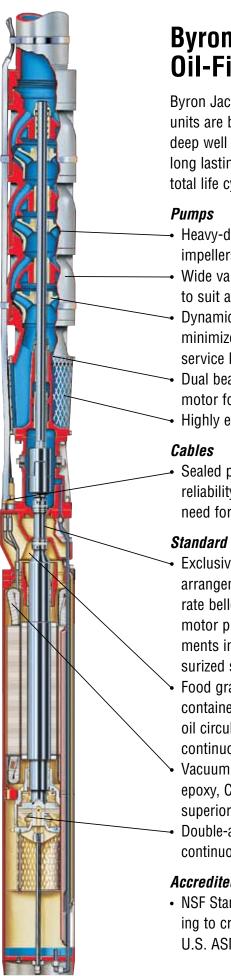
- Heavy-duty and high-efficiency
   impellers and bowl cases
- Wide variety of bearing, impeller and bowl casing materials to suit any application
- Dynamically balanced impellers to minimize vibration and maximize service life
- Compact adaption system between pump and motor for maximum shaft support

### Cables

Power cable internally connected to eliminate potential leaks

### Standard Design Features Motors

- Pressure balanced mechanical seal available in many materials to best suit application
- NEMA connections for universal fit Prefilled motors with food grade
- additives for freeze and rust protection • Large, double journal bearings water lubricated and maintanance free for
- lubricated and maintenance free for extended service life
- Non-toxic Class Y winding insulation for potable water services
- Heavy-duty, adjustable, self-aligning thrust bearings for extended motor life
  Motors with CSA, WIMES 3.03, EMV,
- KTV, CE, VDE and other authority certifications



## Byron Jackson® Oil-Filled Design

Byron Jackson oil-filled submersible units are built for the most demanding deep well services. Rugged, reliable and long lasting, these units offer significant total life cycle cost savings.

- Heavy-duty and high-efficiency
   impellers and howl asses
- impellers and bowl cases
- Wide variety of material available to suit any application
- Dynamically balanced impellers to minimize vibration and maximize service life
- Dual bearings between pump and motor for maximum shaft support
   Highly efficient suction inlet design
- Sealed power cable plug-in feature for reliability and ease of installation; no need for field splicing

### Standard Design Features Motors

Exclusive double mechanical seal arrangement incorporating two separate bellows type seals for double motor protection. Other seal arrangements include mercury seal and pressurized single seal.

- Food grade oil-filled with internal selfcontained force feed, filtered, cooled oil circulation system to maintain continuous lubrication
- Vacuum pressure impregnated (VPI) epoxy, Class F insulation system for superior insulation and long service life
  Double-acting thrust bearing system for continuous up or down thrust capability

#### Accredited for Drinking Water Services

- Certification program accredited by
- RvA, the Dutch Council for Accreditation

#### Accredited for Drinking Water Services

 NSF Standard 61 Certification according to criteria established jointly by the U.S. ASME and NSF International

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### **Experience In Motion**

