

Pleuger® 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 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

Accredited for Drinking Water Services

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

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.

Pumps

- Heavy-duty and high-efficiency 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

Cables

- 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 self-contained 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

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

