



MagneGuard™

Advanced Safety for Permanent Magnet Motor-Driven ESPs

Permanent Magnet Motor (PMM)-driven Electric Submersible Pumps (ESPs) are revolutionizing fluid extraction with their efficiency and performance. But with innovation comes risk. PM motors can generate dangerous voltages even when powered off, increasing the possibility of a severe electric shock hazard to field personnel during installation, maintenance, and workovers.

FET Multilift Solutions introduces the **MagneGuard**, a breakthrough in safety and simplicity. This intelligent, automatic safety device eliminates the risk of electric shock from PMM-driven ESPs, protecting your crew and your operations without the need for manual intervention.

Why MagneGuard?

Unmatched Personnel Safety

- » Automatically neutralizes hazardous voltage caused by shaft rotation.
- » Increases the protection of field personnel from accidental electric shock, even in high-risk scenarios such as RIH (n-In-Hole) or fallback operations.

Universal Compatibility

- » Designed to bolt onto any manufacturer's pump—no customization needed.
- » Works seamlessly with all ESP configurations, regardless of brand.

Enhanced Reliability

- » Prevents shaft rotation from fluid movement when the motor is off.
- » Thoroughly tested and proven to maintain safety while allowing fluid injection through the pump.

KEY FEATURES

- **Automatic Protection:** No switches, no procedures—just safety that works.
- **Non-Intrusive Design:** Mounts on top of the pump head without interfering with ESP operation.
- **Field-Proven Performance:** Engineered and tested to withstand real-world conditions and fluid dynamics.
- **Barrier-Free Adoption:** Removes the final hurdle to widespread PMM deployment in the field.

MagneGuard is more than a safety device — it's a game-changer for ESP operations.

By adding a barrier to the most critical risk associated with PMM-driven systems, operators can deploy cutting-edge technology with increased confidence, efficiency, and peace of mind.

