

ELECTRIC SUBMERSIBLE PUMPS

Avenger[®] motor lead extension

High-performance connection for ESP systems in high-temperature, highly corrosive applications

FEATURES

- O-ring gland and O-ring feature to protect seal
- Optional lead gasket seated in groove on pothead face
- 90% reduction of rubber component in seal
- Designed for rapid assembly
- Tape-in connection
- Patented seal design
- Thermal ratings up to >400°F (204°C) BHT

BENEFITS

- High-pressure seal between pothead housing and motor
- Enhanced protection against corrosive chemicals and gases
- Mitigates swelling issues
- 24-hour availability of any length
- 260 percent longer arc path than typical in the industry
- Truly innovative electrical system protection
- Reliable electrical connection in high temperature applications
- Made in the U.S.A.

Overview

Reliable electric submersible pump (ESP) operation depends on reliable electrical connection. The motor lead extension (MLE) provides this critical connection between the main power cable and downhole equipment.

Summit ESP[®] developed the Avenger[®] MLE for increased reliability in high-temperature, highly corrosive gassy wells. The patented design within the Avenger MLE has a low profile, flat cable pigtail design that is spliced to the lower end of the main power cable. The design reduces rubber in the seal by 90 percent and uses an O-ring within the motor head to protect the seal. Its tape-in connection creates a 260 percent longer arc path than typical in the industry.

The Avenger MLE improvement over the conventional design delivers proven innovative electrical system protection in thermal ratings >400°F (204°C) BHT. This new design helps reduce gas impregnation and thermal expansion from high wellbore temperatures and heat generated by the motor head, dramatically decreasing cable insulation shear and motor failure.



Avenger[®] motor lead extension for high-temperature, highly corrosive applications.

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