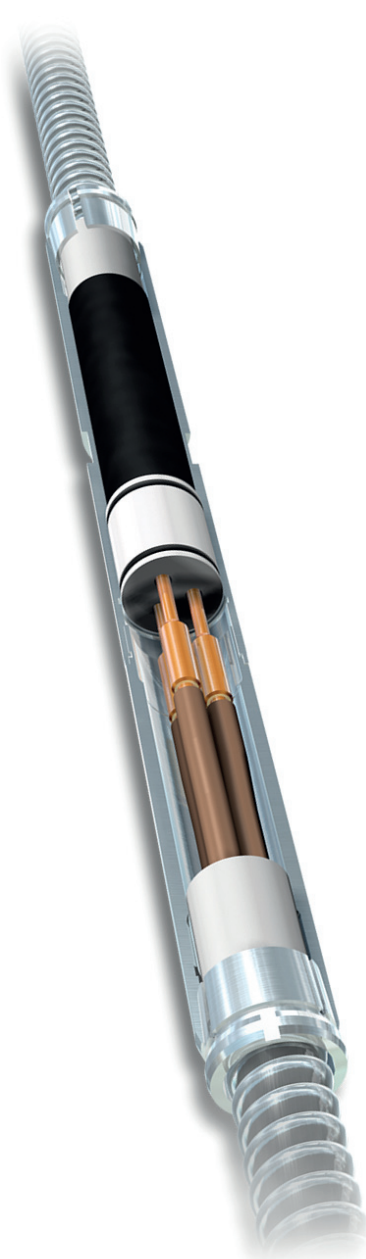


Single Mandrel Packer Penetrator - (Positive Pressure Technology)

The Single Mandrel Packer Penetrator for ESP Wells delivers pressure-tight 3-Phase power through Downhole ESP packers and encapsulated ESP systems (Pods/Cans).

POSITIVE PRESSURE TECHNOLOGY	
Low to High CO ₂	Up to 135°C
Low H ₂ S	Up to 5kVAC
Up to 5000 psi	Up to 150A



Key Performance Features

Single Mandrel Configuration

Industry standard with one single assembly. No field assembly required.

Unique Pressure Barrier Technology

Zero Gas Leakage, total safety security.

Double Seal Technology

Enables pressure testing via test ports in adapter and built-in redundancy giving total confidence of seal integrity during and post installation.

No Connectors

Elimination of possibility of connector contamination giving improved reliability.

Permanently activated internal seals, tested during assembly

No pressure-activated seals, no possibility of gas migration through penetrator, even at low pressures.

No Specialist Tooling Required

Reduced risk of delays due to missing or broken specialist tooling.

Unrivalled Reliability Track Record

Total confidence of reliability.

All Mating Materials Dissimilar

Avoids galling during installation.

MLE can be moulded directly into Penetrator

Eliminates the need for a splice below the packer/inside the Can, giving improved reliability and reduced rig time during installation.

Range of Adapters available

Available with a range of adapters to secure to the Packer, offering maximum completion design flexibility for different applications.

Experience

The industry's unchallenged number one choice for reliability. Exclusive supplier to the demanding North Sea market for over 20 years.

Product Specification

- Up to 5000 psi working, 7500 psi test
- Up to 5kVAC
- Up to 150A
- Up to 135°C / 275°F working temperature

Other Key Features

- Protective Caps provided
- Qualified to IEC60502
- Only NACE MR01-75 Materials used
- Adjustable Adapters available

Harsh Environment Technology

- Suitable for up to 90% CO₂
- Suitable for up to 40% H₂S

Positive Pressure Technology

- Suitable for up to 20% CO₂
- Suitable for up to 40% H₂S

