Single Mandrel Packer Penetrator - FRONTIER Series

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

**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 15000 psi working
Up to 8kVAC
Up to 250A
Up to 180ºC / 356ºF working temperature

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