

Nexus Series

Packer Penetrator - Single Mandrel

The RMSpumptools Single Mandrel Packer Penetrator for ESP Wells delivers pressure-tight, 3-Phase power through Downhole ESP Packers and encapsulated ESP Systems (PODS/CANS). This single-piece product transmits power through a single bore - it can accommodate a vast array of cable types and sizes and is supplied factory-moulded to downhole cable (including the MLE if required). To accommodate for an excess or shortfall in MLE length, adapters can be supplied to allow from 3.5" to 24" of adjustment to penetrator positioning.

Electrical Specification - (values may differ depending on model and materials)

Maximum Voltage:	5 kVAC
Maximum Working Current:	200 A
Maximum Working Temperature:	180°C (356°F)
Maximum Working Pressure:	10,000 psi
Maximum H ₂ S:	40%
Maximum CO ₂ :	90%

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 POD, 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.

Other Key Features

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

Experience

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

