

Single Mandrel Connector - (Standard Technology)

The Single Mandrel 3-Phase Penetrator for ESP Wells is a universal application for conventional eccentric wellheads, providing unsurpassed reliable gas-tight power to conventional ESP systems.

STANDARD TECHNOLOGY	
Low Level CO ₂	Up to 125°C
No H ₂ S	Up to 5kVAC
Up to 5000 psi	Up to 160A



Key Performance Features

Unique Pressure Barrier Technology

Zero Gas Leakage, total safety security with zero possibility of surface explosions.

Excellent Track Record of Reliability

Total confidence of reliability.

Factory Moulded Lower Pigtail

Obsoletes risky field-attachable connectors with only horizontal splice needed; no lower connector; removes wellbore mating interference. Eliminates weak spot and removes critical process from rig floor. No on-site specialist required.

'Plug & Play' Design

Single, factory assembled and tested product, prevents damage during installation. No special training, or specialist required. Saves rig time and eliminates human error.

Permanently activated internal seals, tested during assembly

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

Compact Design

Entire penetrator is enclosed and protected by the wellhead, avoids penetrator damage when landing hanger.

No Specialist Tooling Required

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

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 160A
 Up to 125°C / 255°F working temperature
 ATEX Certified for Hazardous Area use

Other Key Features

Debris caps provided
 Gold Plated Pins and Sockets
 Qualified to IEC60502
 Only NACE MR01-75 Materials used
 Bottom Fed for easy installation
 Available with 45° or 90° Surface Connectors

Harsh Environment Technology
Suitable for up to 90% CO ₂
Suitable for up to 40% H ₂ S

Positive Pressure Technology
Suitable for up to 20% CO ₂
Suitable for up to 0.1% H ₂ S

Standard Technology
Suitable for up to 1% CO ₂
Not suitable for H ₂ S

