

Nexus Series

Split Phase Wellhead Connector

The Split Phase (3-Leg) Connector for ESP Wells is a universal application for concentric and/or limited space wellhead configurations, providing reliable gas-tight 3-phase power to conventional ESP systems. The Connector enables equivalent power transmission equivalent to our Single Mandrel range, but by passing through the wellhead as individual phases before converging downhole into a single ESP cable.

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

Maximum Voltage:	5 kVAC
Maximum Working Current:	180 A
Maximum Working Temperature:	125°C (257°F)
Maximum Working Pressure:	5,000 psi
Maximum H ₂ S:	Low
Maximum CO ₂ :	40%

Key Performance Features

3 Leg Configuration

Each phase is split to penetrate wellhead through three separate bores. Interchangeable with any 3-leg wellhead system; completely gas tight using industry standard compression fittings.

Unique Pressure Barrier Technology

Zero Gas Leakage, total safety security with zero possibility of surface explosions - no need for surface 'breathers'.

Unique Stack-up Tolerant Design

Providing variable space-out when installing. Eliminates risky cutting of 3/8" SS tubes, obsoletes terminating connections on site, preventing potential damage to insulation, improving reliability and speed of installation.

'Plug & Play' Surface Connector

Reusable, factory assembled and tested product, No special training, or specialist required. Saves rig time and improves reliability performance.

Single Assembly Downhole Penetrator and 3-into-1 Breakout Module

With moulded pigtail to downhole cable. No on-site cable phase separation and termination preparation required; only standard horizontal splice. Removes critical process from rig floor. No on-site specialist required. Saves rig time and improves reliability performance.

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.

Other Key Features

Protective Caps provided
Gold Plated Pins and Sockets
Qualified to IEC60502
Metal to Metal Sealing
Only NACE MR01-75 Materials used
Kidney Shaped Breakout Penetrator Assembly

Experience

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

