

Electrical Wellhead Outlet

(WHO)



Qteq's electrical Wellhead Outlet (WHO) is designed to provide a reliable and easy to install termination of the Tubing Encapsulated Cable (TEC) where it exits the wellhead.

After the TEC is fed through a port in the spool piece and into the bore of the wellhead flange, a metal-to-metal primary pressure seal is formed between the OD of the TEC armour and the bore of the wellhead penetrator.

A specialised pressure barrier forms a secondary seal and prevents migration of fluids into the interior of the junction box in case TEC mechanical integrity is breached downhole. A junction box houses the interface between the downhole TEC and armoured surface cable.



Features and Benefits

- The wellhead outlet and surface termination equipment utilise metal-to-metal seals and a hermetically sealed wire feed-through to provide a pressure barrier even in the rare event of TEC breach downhole.
- All items comply with Australian hazardous area regulations, and are sourced from reputable, ISO9001 certified suppliers with a proven track record.
- Easy to install – the systems are designed where possible to be installed by one person at the wellsite.
- Safety is paramount and all outlets are designed to the necessary industry standards.
- Mounted directly to the wellhead, eliminating the need for support brackets.

Specifications

	Type A-3K	Type A-6K	Type D-10K
Wellhead Connection		½" NPT	
Working Pressure	3,000 psi	6,000 psi	10,000 psi
Ingress Protection		IP66	IP68
Certification		N/A	Ex db IIC T3 Gb (IECEX EXV 16.0008X)
Metallurgy		316 Stainless Steel	
Maximum Voltage	120 Vdc		450 Vac
Maximum Current	5A		5A
Operating Temperature	-10 to 85 °C		-20 to +100 °C
Application		Analogue Gauges	Digital Gauges