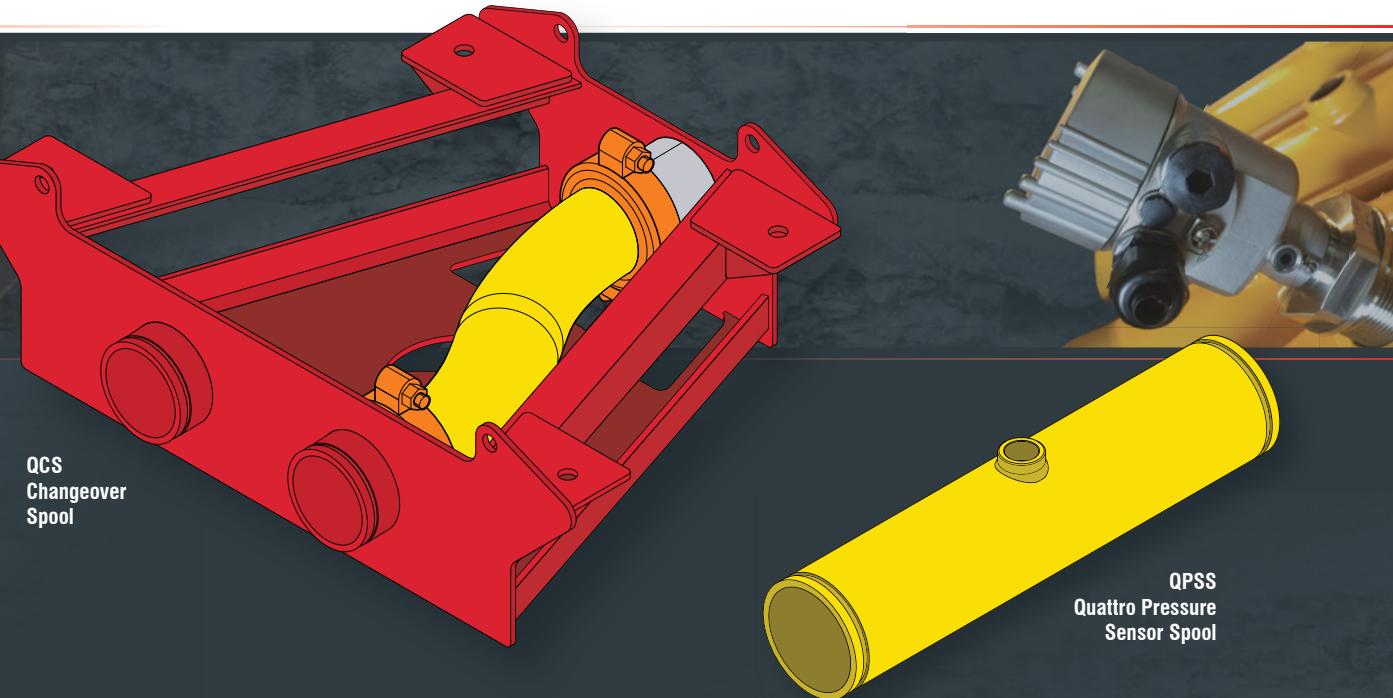


QCS
CHANGEOVER SPOOL

QPSS
PRESSURE SENSOR SPOOL

In keeping with QPE's history of developing innovative product solutions for the underground hard rock mining industry come the QCS and QPSS.



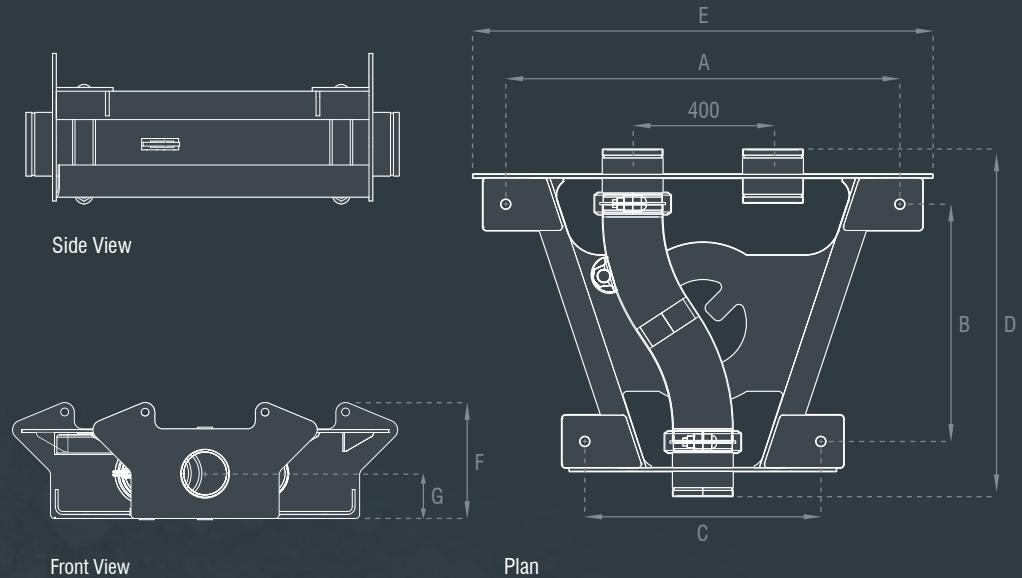
Line changeover in complex paste backfill systems has historically been a time consuming process requiring intensive plant and manpower. The Quattro Changeover Spool is a simple jig designed to streamline this process to allow underground personnel to focus on other critical activities.

Rated equivalent to the reticulation system it is servicing the QCS has one incoming line which can easily be switched between two outgoing by rotating the included S tube through 180°. The system utilises Victaulic couplings to further streamline the changeover process and align with existing reticulation.



QCS™ Changeover Spool

As paste reticulation systems become ever more complex, the incorporation of key instrumentation into the reticulation system forms a vital part of the system feedback loop and subsequent control. To that end, QPE have led the way on the incorporation of such infrastructure and developed a custom pressure sensor spool to accommodate our preferred pressure sensors.



QCS Changeover Spool

Nominal Bore Size	Dimensions						
	A	B	C	D	E	F	E
6" or 150 mm	1124	677	673	987	1310	390	150
8" or 200 mm	1146	677	673	987	1310	390	150

QPSS™ Pressure Sensor Spool



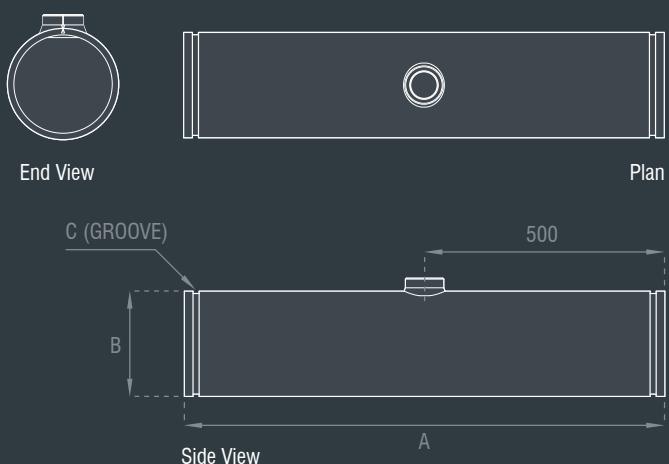
Pressure Sensor Spool

QCS

- HP90ES Victaulic Couplings
- 6" & 8" Pipe
- Certified to 10 MPa
- Backs mounted

QPSS

- VEGA Bar Pressure Transducer
- 6" & 8" Pipe
- Victaulic or ANSI Flanged



QPSS Quattro Pressure Sensor Spool

Nominal Bore Size	Dimensions			Groove
	A	B	C	Groove
6" or 150 mm	1000	187	HP70ES OR STYLE808ES VICT. GROOVE	
8" or 200 mm	1000	246	HP70ES OR STYLE808ES VICT. GROOVE	