



QUATTRO
PROJECT
ENGINEERING

ENGINEERING PARTNERSHIPS



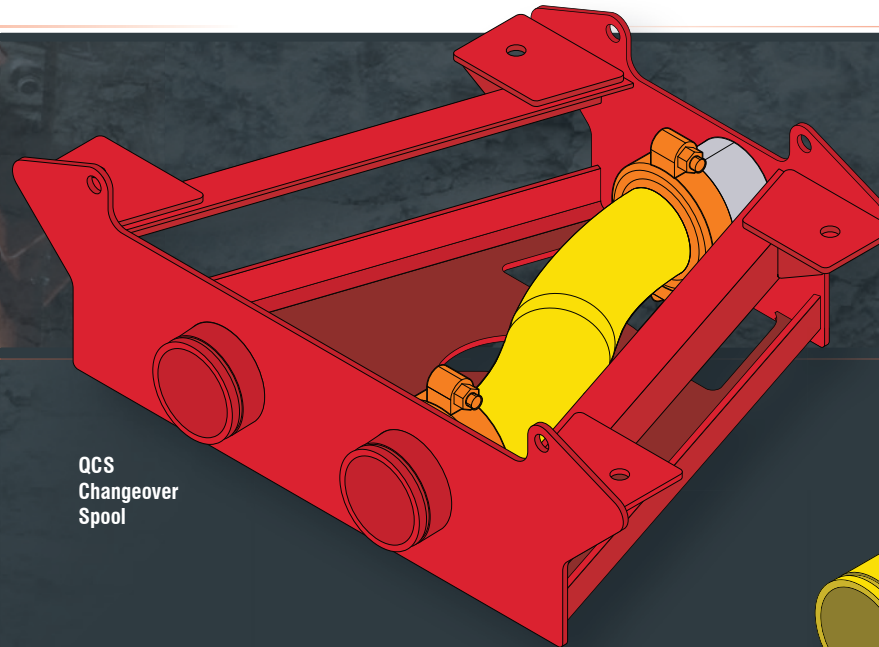
CHANGEOVER SPOOL



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.

QCS
Changeover
Spool



QPSS
Quattro Pressure
Sensor Spool



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.

quattrope.com

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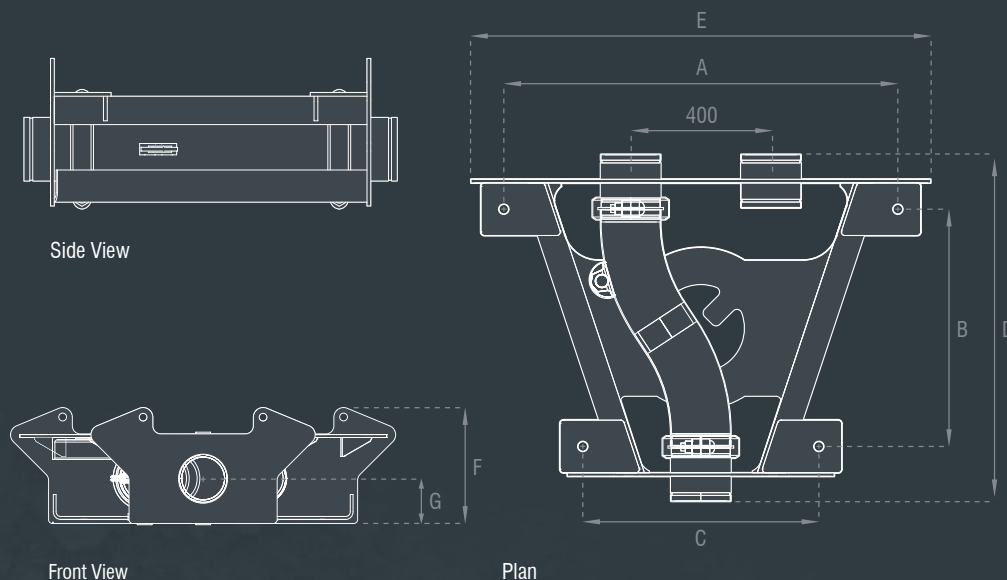
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Products



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 |

Pressure Sensor Spool

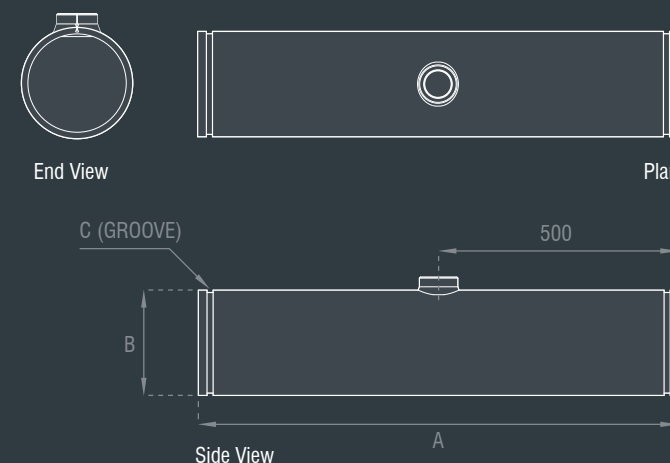


QCS

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

QPSS

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



QPSS Quattro Pressure Sensor Spool

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