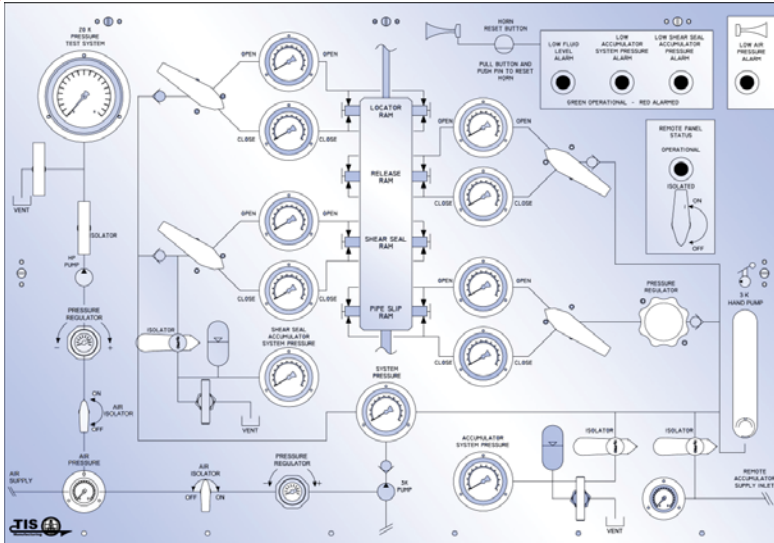


# Coil Tubing Control Unit



**Main Control Panel**



**Design**

Ergonomic design providing an easy to use control unit with unrestricted access for maintenance throughout. The unit has hinged doors on all 4 sides fitted with high grade stainless hinges and flush catches. Front viewing doors when closed allow the operator to see system pressures while protecting from unauthorised use, with roof hatches allow access for removing accumulators.

**Control Panel**

The control panel is fully engraved depicting the modes of operation, with the engraved systems being colour coded. The main control panel is hinged and can be opened like a door for maintenance. A separate accumulator panel indicates nitrogen charge pressures.

**Remote Control Operation**

The unit has a pneumatic remote control panel that can allow the operator to takeover control of all operational functions from the Operators Cabin, this panel mimics and relays the status of the system to the operator.

**Hose Reels**

TIS hose reels are designed and manufactured for long life produced from stainless steel and bronze. The enclosed gearbox drive is another unique feature of TIS design.

**Audible warning system.**

Audible and visual warnings cater for: Low air pressure, Low fluid level, Low accumulator pressure, low shear seal accumulator pressure.

**Reservoir supply**

In order to ensure that only clean fluid can enter the system, both reservoirs are filled by a hand pump and short hose. This allows the taking of fluid directly from a barrel via the tank top filter to the reservoir.

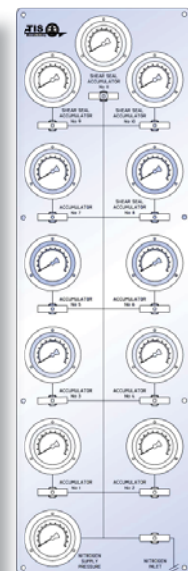
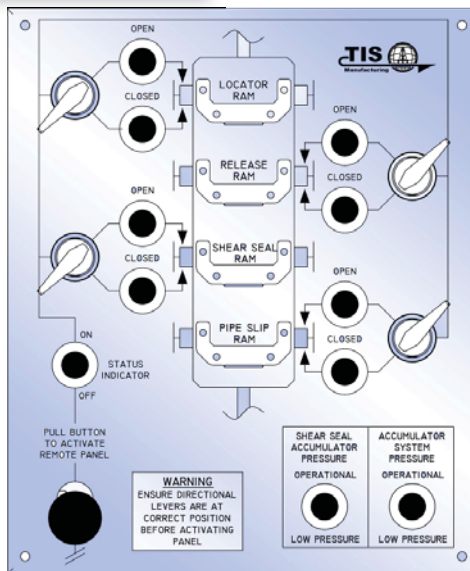
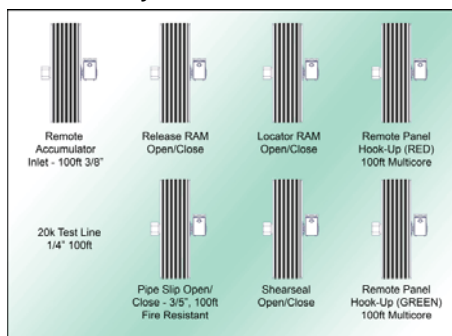
**Pressure test system**

The unit is fitted with a pneumatic single line 20k pressure test system having its own pump and reservoir.

**Accumulators**

A bank of accumulators are contained within the unit, these are split into two systems, with one dedicated for shear seal operation.

**Hose Reel Layout**



**Remote control Panel**

**Accumulator Gas Panel**

**Specification**

- Certified to:** ATEX and PED
- Built to NORSOK standard for Coil tubing control system requirements
- Frame designed and certified to: BS-12079 & DNV2.7-1
- Constructed from carbon steel
- Length:** 2000mm
- Width:** 2000mm
- Height:** 2300mm
- Weight:** 4500kg

**BOP Control functions**

- Locater Ram: 3000 psi
- Release Ram: 3000 psi
- Shear Seal Ram: 3000 psi
- Pipe Slip Ram: 0-3000 psi, Regulated supply
- 4 x 50 litre accumulators for Shear Seal operation
- 7 x 50 litre accumulators for Locater, Release, Pipe Slip operation.
- Reservoir 300 litre / 66 imperial gallon capacity
- Dual air hydro pump system
- Hand pump back-up
- Fire rated hoses on all BOP lines

**Pressure Test function**

- **Single air hydro pump system:** 20,000 psi
- Reservoir 60 litre / 13 imperial gallon capacity

- **Recommended compressed air requirements 120 cfm, 90-140 psi**
- **Tank top filter (BOP system):** 20 micron

**ASSEMBLY NO CU-W-1018**