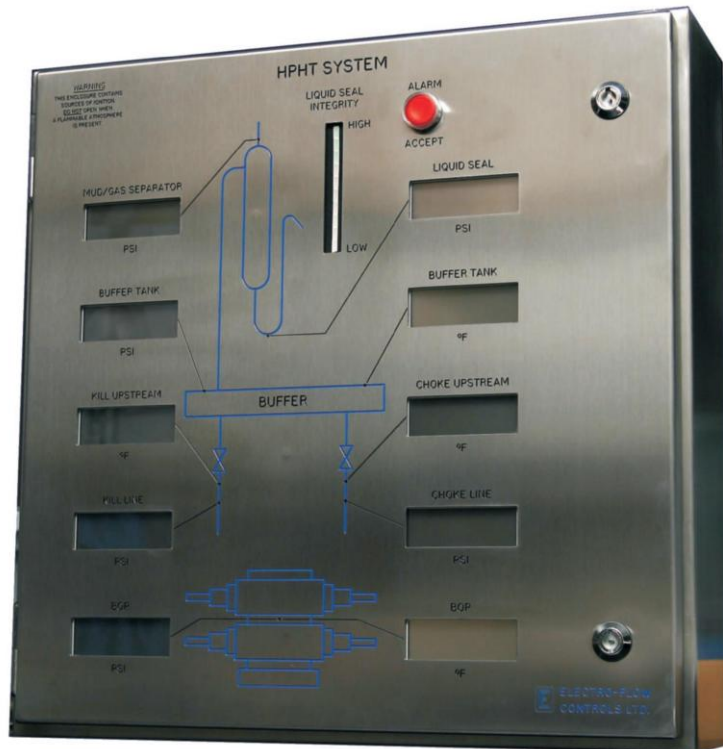**EF**

HIGH PRESSURE HIGH TEMPERATURE SYSTEMS (HPHT)

HPHT MONITORING IS A SPECIALISED WELL CONTROL INSTRUMENT PACKAGE DESIGNED FOR RIGS WITH 15,000PSI RATED EQUIPMENT, OPERATING IN FIELDS WITH HIGH WELLHEAD PRESSURES AND TEMPERATURES.

HPHT systems monitor and record upstream and downstream pressure and temperatures of the Choke & Kill manifold, standpipe & BOP. HPHT systems include:

- Monitoring/Recording
- Finescale Pressure Gauges (FSG)
- BOP Monitoring

- Liquid Seal Monitor (LSM)
- Overboard Valve Controls
- Glycol Injection

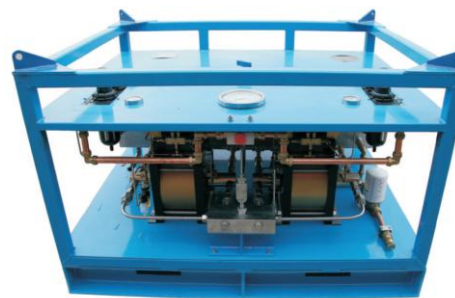**Well Control Systems**

HPHT SYSTEMS

DESCRIPTION	TECHNICAL SPECIFICATION
Overall Size	Typical 1200mmL X 800mmW X 300mmD
Overall Weight	50kg – 70kg
Zone Rating	Zone 1, Zone 2 or Safe area
Working Pressure	10,000psi, 15,000psi and 20,000psi monitoring operations. Glycol Injection unit operates up to 22,500psi
Working Temperature	-150degF to +350degF
Temperature Sensors	-150°F to +350°F (-65˚C to + 177˚C)
IP Rating	IP 66
Documentation Included	Manufactures Data Book (MDB), User Manual (UM) Technical & Certification Manual (T&CM)
Certification	ATEX, IECEx, API, DNV, ABS, ABS-CDS, NORSOK as required
	NB: Technical data may be subject to change

FEATURES	BENEFITS
Wrap around temperature sensors	Non-intrusive, gives flowing temperature reading and does not need another access point in C&K manifold
Pressure gauges	Gives 8" or 6" analogue dials that are easy to read by users, a critical benefit during well control operations
Stainless steel panel	Suitable for harsh, salt laden environments
User interface	Engraved manifold mimic illustrating instrumentation points is optimal for understanding information
Working Temperature	Temperature sensors operate -150degF to +350deg F

EXPANDABILITY:

GLYCOL INJECTION UNIT

- Dual pumps for back-up & volume
- Pressures up to 22,500psi
- 1000 Litre reservoir available

HPHT PANEL WITH:

- Finescale Pressure
- Gauges
- Liquid Seal Monitor
- Overboard Valve
- Control (Sequenced)
- Pump Stroke Counter
- Choke Positions
- Choke Open/Close &
- Speed Controls

HPHT/0114/001/B

Well Control Systems