

ADVANCED CHOKE CONTROL



THE EFC GROUP ADVANCED CHOKE CONTROL PANEL INCORPORATES A SOPHISTICATED WELL CONTROL SYSTEM WITH MANY INCREASED REDUNDANCY FEATURES

EFC Group has been providing well control systems to the global oil and gas industry for 25 years. This has developed a strong and unique application knowledge that delivers benefits to operations. It has led to providing valuable Well Control Systems to assist decision making during critical well control incidents.

EFC Group remote choke control for hydraulically actuated drilling chokes can be complemented with addition of HPHT instrumentation ideal for 15,000psi HPHT drilling operations to give a sophisticated well control instrumentation system.



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The EFC Group advanced choke control panel encompasses a high level of functionality that's typically required during well control operations in an ergonomic and integrated operator's console. This enables user to accurately monitor pressures or temperatures required during decision making. Each panel has a graphical representation of the manifold and HCV's, along with drilling chokes, can also be operated and monitored.

PLC based system with EFC Group RIO enclosure facilitates system monitoring.

ADVANCED CHOKE CONTROL	TECHNICAL SPECIFICATION
Overall Size	Typical 900mmL X 300mmW X 1240mmH (Operator Display)
Overall Weight	Typical 80Kg -150Kg (Display Panel Only)
Zone Rating	Zone 1, Zone 2 & Safe Area
Maximum Working Pressure	3,000PSI
Temperature Rating	-40°C to 73.5°C
IP Rating	IP 67
Documentation Included	Manufactures Data Book (MDB), User Manual (UM) Technical & Certification Manual (T&CM)
Certification	Atex, Norsok, IEcex, DNV, ABS, CDS, IECEX

NB: Technical data may be subject to change

FEATURES	BENEFITS
Safety	Pilot valves can be actuated in the event of an electrical failure.
Alarms	Accumulator low pressure level alarming
Pressure Monitoring	Buffer pressure monitoring : gives advanced driller notice
System Backup	UPS provides complete system backup
Clarity	Clear backlit displays
Degrees of Automation	Auto-dump mode selector switch enables degrees of automation
Well Control Package	FSG, LSM, Overboard Valve Control can be incorporated
Separate HPU	Provides ease of maintenance and minimal noise in drill cabin

Expandability

- Finescale Gauges integrated
- Upstream and Downstream temperature monitoring
- Liquid Seal Monitor integrated
- Valve Control Sequencing and interlocks
- HPHT Monitoring
- Glycol Injection Unit



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