

LIQUID SEAL MONITOR (LSM)



ELECTRO-FLOW
CONTROLS

LIQUID SEAL MONITOR (LSM) FINESCALE GAUGES (FSG) HPHT MONITORING CHOKE CONTROL OVERBOARD CONTROL VALVE

EFC's family of Well Control Instrumentation (WCI) adds value to the Choke Control System of any rig. Our WCI package is a real speciality, comprising — Liquid Seal Monitor, Finescale Gauges, Advanced Choke Control, HPHT Monitoring and Overboard Valve Control.



Typical LSM System

LIQUID SEAL MONITOR

LSM displays seal integrity status based on differential pressure between degasser and dip tube/'U' tube

- BARGRAPH – GREEN, AMBER, RED
- DIGITAL DISPLAYS
- AUDIBLE/VISUAL ALARMS
- SS 316L ENCLOSURE
- EASILY INTEGRATED WITH OTHER PANELS



LSM integrated with FSGs (FSG 35/LSM)

Enclosure sizes vary. LSM can be stand alone or integrated e.g. with Finescale Gauge (FSG) monitoring system.



THE LIQUID SEAL MONITOR SYSTEM IS CERTIFIED TO COMPLY WITH HARMONISED EUROPEAN STANDARDS CODE II 2 G EExi 'a' IIC T6



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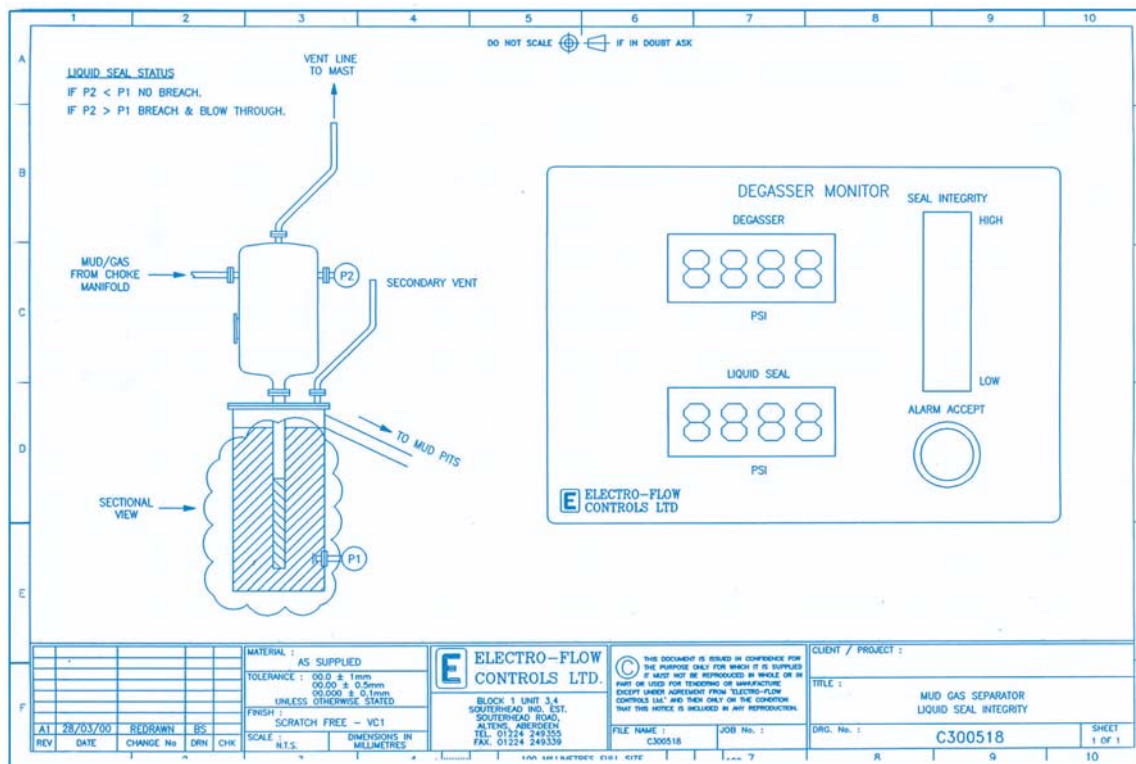
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DESCRIPTION

During well control incidents, circulating out gas bubbles can lead to frequent and violent surges. In these circumstances it is possible for the mud gas separator to be overloaded and the liquid seal breached.

EFC's LSM offers a differential pressure monitoring system, which continuously compares the internal pressure of the separator with the hydrostatic pressure at the base of the dip tube/'U' tube, it is compatible with all liquid seal arrangements.

EFC's LSM system provides a real-time differential pressure display. A pre-determined minimum differential is set, and audible and visual alarms activated when the limit is exceeded. This provides the driller with warning of an imminent blow through, allowing remedial action to be taken.



Typical LSM Schematic

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