LMF mobile gas-pipeline evacuation unit

- truck mounted (38t)
- gas engine drive
- evacuation of 1.6 mill. Nm³ in 24 hours possible
- evacuation pressure down to 5 bar/1 bar possible
- optimum reduction of methane emission
- independent, fully automatic operation
- suitable for ambient temperatures from -40°C to +40°C
- EU-road permission
- patented automatic single to double stage operation

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pipeline evacuation

LMF mobile compressor systems for pipeline evacuation are fully equipped to operate independently without any external power source. The segment of the pipeline to be evacuated is sealed off by valves at each of its ends. The evacuation unit is then connected to this isolated segment and started – which can be done by remote control from a central operator station. The unit operates fully automatically.

LMF’s patented two-stage operation is designed for maximum efficiency in pipeline evacuation. Initially the system operates as a single-stage compressor for high volume operation, changing automatically to double-stage function during the second part of the evacuation process.

Balanced-opposed compressor unit BS 604
- 4 cylinders
- 2 stages
- max. speed (lubricated) 1800 rpm
- max speed (non lubricated) 1200 rpm
- rated power up to 800 kW

Gas Engine driven, containerized package

your high pressure solution
LMF mobile gas-pipeline evacuation unit

compressor in balanced-opposed design, gas engine driven, containerized, truck mounted.

PIPELINE EVACUATION – LMF P-PACK 750

TECHNICAL DATA

Compressor:
- design: balanced opposed
- number of cylinder: 4
- number of stages: 2
- speed (nominal): 1400 rpm
- power requirement: 740 kW
- (including relevant auxiliary drives)

Gas Engine:
- number of cylinders: 12
- bore x stroke: 170 x 190 mm
- displacement: 51,8 litres
- speed (nominal): 1400 rpm
- rated power: 749 kW
- Turbocharged

PIPELINE DATA (example of evacuation process)
- length of pipeline segment: 28 km
- inner diameter: 1400 mm
- volume of pipeline: 43103 m³
- pressure at starting point: 70 bara
- gasvolume at start: 2,822,721 Nm³
- endpressure: 10 bara
- gasvolume at end: 403,246 Nm³
- saved gasvolume: 2,419,476 Nm³

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