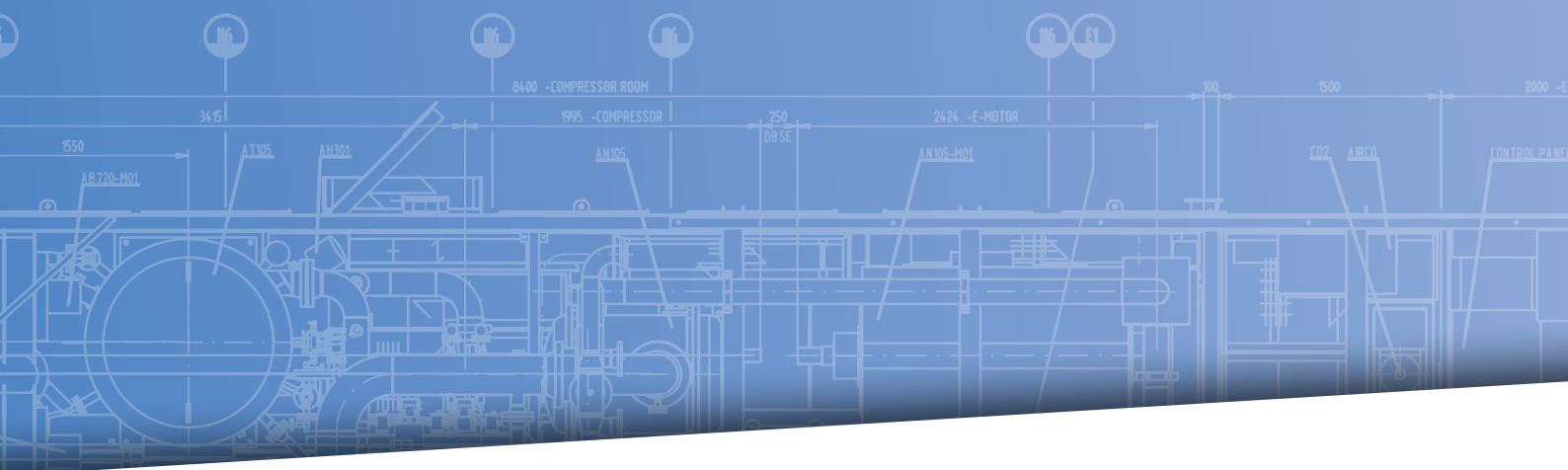




WELLHEAD COMPRESSOR SYSTEMS

Mature gas wells are located all over the world. Many of these nearly depleted wells are closed and abandoned since the wellhead pressure is insufficient for efficient recovery. Using a Wellhead Compressor System (WCS) enables the mature wells to continue production and/or enhances the efficiency of the gas recovery. The operational lifetime of the well will be extended substantially.



ELTACON
ENGINEERING BV

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Eltacon wellhead compressors are sized project specific, but with flexible operating parameters. Depending on the size of the well the "ROI" is often within 2 years. When the gas well is depleted after several years of operation, the unit can be transported to other wells.

For wellhead compression Eltacon applies oil-flooded screw compressors. This solution is compact, capable of realizing high compression ratios in only one stage, has a high availability (>98%) and has low maintenance costs compared to other compression principles.

Certification

- Complete CE certified units
- Pressure Equipment Directive 2014/68/EU
- ASME VIII Div.1 pressure vessel design
- Alternative vessel codes AD2000, EN 13445
- ASME B31.3 or EN 13480 piping
- Russian TR CU certification



Key Features

- Electrically motor driven system, installed power up to 1MW
- Attached control room or separately placed control panels
- Instrumentation for remote monitoring
- Inlet pressure from 6 bara down to atmospheric pressure
- Discharge pressure of the unit up to 16 barg
- Flow capacity up to 300.000 Nm³/d
- Capable of handling condensate slugs up to 1m³/h
- Integrated oil cooling system
- Optional inlet cooling system with condensate separation

The WCS will be packaged on a single skid-frame which enables easy handling. An optional pre-filtration stage upstream the compressor gathers the slugs of condensate coming from the gas-well. This condensate will be available for re-injection if required.

The capacity of the compressor is controlled by the hydraulic slide valve, as well as the adjustable pressure ratio resulting in a wide range of operating parameters which is essential for recovery of gas from a mature gas field down to atmospheric pressure inside the well.

Model	ELT 204/315	ELT 204/355	ELT 255/560
Maximum capacity*	100.000 Nm ³ /day	150.000 Nm ³ /day	300.000 Nm ³ /day
Absorbed power	240 kW	265 kW	540 kW
Unit size (LxWxH)	12 x 3,2 x 3,9 m	13 x 3,2 x 3,9 m	16 x 3,8 x 4 m
Operating weight	45 tons	51 tons	77 tons

* inlet pressure > 6 bara

