

## Liquid Jet Compressor

### For Oil & Gas Applications

Whilst gas-driven Ejectors have become commonplace in many gas recovery applications, they can only offer limited compressions in a single stage up to 7:1. For many years, Transvac's R&D team have been focussed on developing and testing our Liquid Jet Compressor (LJC) design, using liquid (commonly water) as the motive, to improve efficiencies.

Thanks to this ongoing research and testing at Transvac's state-of-the-art R&D facility, the latest LJC designs can complete compression ratios of up to 150:1 in a single stage, with 40-50% improvements in operating efficiency; the less water the LJC Ejector requires, the better.

### Typical Applications

#### Oil & Gas Specific

- Entraining vent or flare gas
- De-aeration of seawater
- Entraining header gas for oil / water separation
- Microbubble generation
- Production boosting



LJC to recover waste flare gas, installed in Oman



LJC to recover waste flare gas in Saudi Arabia



LJC to compress coke oven gas



Universal Design LJC to boost production on a multi-phase well