



TESCORP BVR-T SERIES

VAPOR RECOVERY & FLASH GAS UNIT

Single-or two-stage Reciprocating Compressor



The TESCOP "BVR-T" Series is a completely self-contained compression system for applications for stock tank vapor recovery, flare gas recovery, or small-flow medium pressure process gas applications. Constructed as a compact and fully-contained system, these units feature a Blackmer air-cooled, single or two-stage, pressure lubricated, reciprocating gas compressor and TESCOP vapor recovery unit technology and components. The BVR-T Vapor Recovery Unit is designed and constructed for simplicity of installation, and ease of operation for the critical demands of the harsh oilfield environment.

The unit offers the following design and optional features:

Single- or two-stage reciprocating compressor with:

- Single-stage, single-acting, air-cooled
- Pressure lubricated power-frame compressor
- Single distance piece and seal assembly
- Corrosive gas trim

Premium efficiency electric motor drive with:

- TEFC enclosure, 460 VAC/3-Phase/60 Hertz, NEMA "B" torque, 1.15 service factor

Suction scrubber constructed per the following:

- Designed, constructed, stamped and National Board Certified per ASME Section VIII
- 1/8" corrosion allowance
- Condensate level controls, gauges, pump rated for flow and pressure

Piping materials, welding procedures, design and construction are per the following:

- ANSI B31.3 latest edition with 10% X-Ray
- All gas transmission piping 2" and smaller shall be either NPT or tubing

Vapor Recovery Control Panel is designed per NEC Class I, Division II, Class B,C, & D with:

- TESCOP vapor recovery logic, controls and indicators
- Load/unload flow control and control logic

BVR-T Unit Construction:

- All electrical components and wiring per NEC Class I, Division II, Class B,C, & D
- All rotating equipment is fully protected with non-sparking guards
- All units receive a complete mechanical/control run test with documentation

Options:

- Sour or corrosive gas protections
- Controls and panels per customer preference
- Motor starters and/or VFD drives
- 2 or 3 piece distance piece and seal assemblies available
- Sour gas trim for compressor available

Price available upon request.

Application graphs and drawings available separately.