

# TESCORP BVR-1 & 2 SERIES

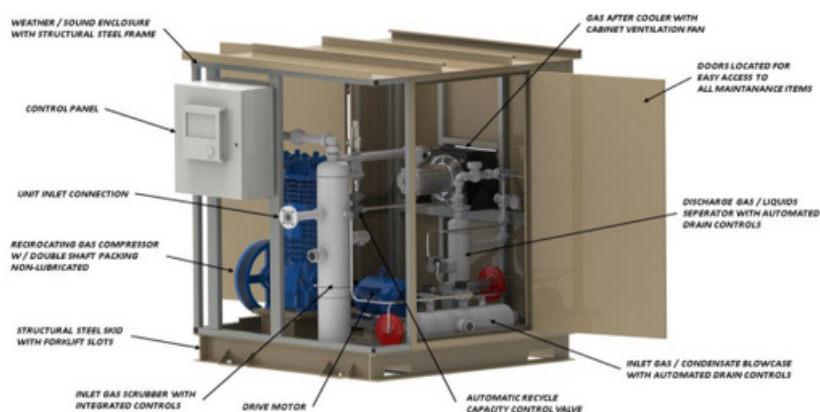
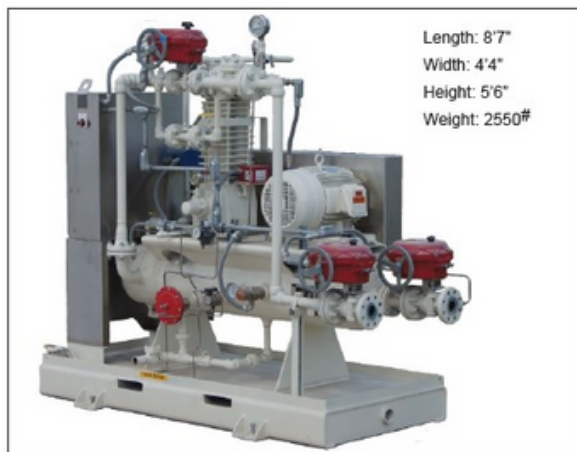
## VAPOR RECOVERY UNIT

Single- and two-stage Reciprocating Compressor, Pressure Lubricated

3 to 50 Horsepower; 50 to 600 PSIG Inlet Pressure

Volumes 8 to 300 MSCFD

\*\*\*Available as enclosed units\*\*\*



The TESCOP "BVR" SERIES is a completely self-contained compression system for applications for stock tank vapor recovery, flash gas recovery, or medium-flow, medium-pressure process gas applications. Constructed as a compact and fully-contained system with a Blackmer air-cooled, single- or two-stage, pressure-lubricated, reciprocating gas compressor. The TESCOP vapor recovery and emissions units are designed for applications in field gas or refinery process applications, where very saturated and/or corrosive gases must be processed.

### The unit offers the following design and optional features:

#### Single- and two-stage reciprocating compressor with:

- Two-stage, single-acting, air-cooled
- Pressure lubricated power-frame compressor
- 1, 2 and 3 seal assemblies available
- Corrosive gas trim for sour gases

#### Premium efficiency electric motor drive with:

- TEFC enclosure, NEMA "B" torque, 1.15 service factor

#### Suction and inter-stage scrubbers are 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

#### Vapor recovery control panel is designed per NEC Class I, Division II, Class B,C, & D with:

- TESCOP vapor recovery logic, controls and indicators
- Linear flow control logic with proportional bypass valve/ LOAD/UNLOAD FLOW CONTROL
- DCS communication logic

#### BVR-1 & 2 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:

- Motor starters and/or VFD drives
- 2 or 3 piece distance piece and seal assemblies available
- Sour gas trim for compressor available up to 8% H<sub>2</sub>S

**Price available upon request.**  
**Application graphs and drawings available separately.**