

# TESCORP AVR SERIES VAPOR RECOVERY SYSTEMS

1, 2, or 3 Stage Reciprocating Compressor  
Price Available Upon Request.

The TESCOP "AVR" SERIES is a completely self-contained compression system for application to stock tank vapor recovery, flare gas recovery, or medium to high pressure process gas applications. It's constructed with an air-cooled, balance-opposed, single-, two- or three-stage pressure lubricated reciprocating gas compressor for varying inlet and discharge pressures and flows. The unit is constructed with TESCOP vapor recovery unit technology and components. The AVR is a proven design with installations throughout the domestic and international oilfield and petro-chemical industries.

The unit offers the following design and optional features:

**Balanced opposed reciprocating compressor with:**

- » Single- or multi-stage, lubricated cylinders
- » Pressure lubricated power-frame compressor
- » Single or multiple distance piece(s) and seal assembly(s)

**Premium efficiency electric motor drive with:**

- » TEFC enclosure, 460 VAC/3Phase/60 Hertz, 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
- DCS communication logic

**AVR 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

