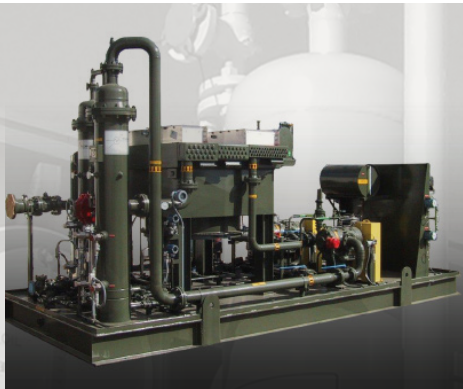


TESCORP DUPLEX VAPOR RECOVERY SYSTEMS

Single- or Two-Stage Compressors

Price Available Upon Request.



The TESCOPR "DUPLEX" SYSTEM is a proven design with installations throughout the oil field and petro-chemical industries. TESCOPR specializes in providing constant flow, 100 percent redundant systems for applications that are critical to the facility's operation. The duplex unit is a completely self-contained compression system for application to stock tank vapor recovery, flare gas recovery, or process gas requirements. Designed and constructed for specific critical applications, TESCOPR incorporates its standard VRU systems in a redundant, duplex configuration to be either 100 percent standby or 200 percent emergency flow units.

The unit offers the following design and optional features:

Single- or two-stage configuration units with:

- » Gas Intercooling/Aftercooling by either air-cooled or water-cooled heat exchangers
- » Manual or automatic compressor isolation valves
- » Redundant drives and motors
- » Redundant control functions for each compressor
- » Common control panel with automatic lead/lag logic, alternator for equal operation time

Premium efficiency electric motor drive with:

- » TEFC enclosure, NEMA "B" torque, 1.15 service factor
- » Inverter duty for application with "VFD" drive

Suction/insterstage/discharge scrubbers are constructed per the following:

- » Designed, constructed, stamped and National Board Certified per ASME Section VIII
- » 1/8" corrosion allowance
- » 316 SS mist eliminator
- » Condensate level controls, gauges, pump (s) rated for flow and pressure

Heat exchanger assembly complete with the following:

- » Common or individual Inter-Cooler/After-Cooler assemblies with isolation valves
- » Closed loop compressor water jacket or oil cooling system for continuous duty
- » Full flow motor driven coolant pump (s)

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:

- » TESCOPR "duplex" vapor recovery logic, controls, and indicators
- » Linear flow control logic with proportional bypass valve
- » DCS communication logic

Options:

- » Sour or corrosive gas protections (NACE)
- » Controls and panels per customer preference
- » Motor starters and/or VFD drives
- » Automatic or manual isolation valves and actuators
- » Automatic isolation and gas purge of inoperative side of unit

