

TESCORP LVR SERIES VAPOR RECOVERY UNITS

1, 2, or 3 Stage Reciprocating Compressor

Price Available Upon Request.



The TESCOP "LVR" SERIES is a completely self-contained compression system for applications for stock tank vapor recovery, flare gas recovery, or medium flow, medium pressure process gas applications. Constructed as a compact and fully contained system, it's manufactured with a LeRoi air-cooled, 1-, 2-, or 3-stage pressure lubricated gas compressor and TESCOP vapor recovery unit technology and components. The LVR Vapor Recovery Unit is designed and constructed for simplicity of installation and ease of operation for the critical demands of the harsh oil field environment.

The unit offers the following design and optional features:

Single-, two- and three-stage reciprocating compressor with:

- » Single-acting, air-cooled
- » Pressure lubricated power-frame compressor
- » Single distance piece and seal assembly
- » Corrosive gas trim (available)

Premium efficiency electric motor drive with:

- » TEFC enclosure, Inverter duty, 1.15 service factor

Suction, inter-stage and discharge 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 and control logic

LVR 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
- » Sour gas trim for compressor available

Single Stage - LRG9-DP Reciprocating Compressor for VRU Service					
Cylinder Bore (Inches)	# of Cylinders	Ps (PSIG)	Pd (PSIG)	Flow (MSCFD)	Power (HP)
3.750	1, 2 or 3	0	50 to 100	15 to 60	5 to 15
4.500	1, 2 or 3	0	50 to 100	25 to 100	7 to 20
5.000	1, 2 or 3	0	50 to 100	25 to 110	7 to 25
6.125	1, 2 or 3	0	50 to 100	50 to 180	10 to 35
7.500	1, 2 or 3	0	50 to 100	60 to 255	13 to 40
8.500	1, 2 or 3	0	50 to 100	70 to 315	15 to 45
Two Stage - LRG9-DP Reciprocating Compressor for VRU Service					
4.5 x 2.75	2	0	100 to 500	30 to 35	10 to 15
6.125 x 3.75	2	0	100 to 350	60 to 65	15 to 20
7.5 x 4.5	2	0	100 to 275	95 to 100	20 to 25
8.5 x 5.0	2	0	100 to 315	115 to 125	25 to 35
(2) 5.0 x 3.75	3	0	100 to 400	75 to 80	20 to 25
(2) 6.125 x 4.5	3	0	100 to 400	125 to 130	30 to 40
(2) 7.5 x 4.5	3	0	100 to 400	160 to 175	35 to 50
(2) 8.5 x 4.5	3	0	100 to 400	180 to 200	40 to 55
Three Stage - LRG9-DP Reciprocating Compressor for VRU Service					
4.5 x 2.5 x 1.75	3	0	200 to 1300	30 to 35	15 to 20
6.125 x 3.5 x 2.0	3	0	200 to 1300	60 to 65	20 to 30
7.5 x 3.75 x 2.0	3	0	200 to 1300	85 to 90	25 to 35
8.5 x 4.5 x 2.0	3	0	200 to 1300	100 to 115	30 to 40

