

TESCORP LGB SERIES GAS BOOSTER UNITS

1, 2, or 3 Stage Reciprocating Compressor

Discharge pressures to 1300 PSIG; Horsepower(s) 10 to 60

Price Available Upon Request.

The TESCORP "LGB" SERIES is a completely self-contained compression system for Gas Boosting applications with elevated inlet gas pressures from the wellhead or separator for sales or flare gas recovery. The unit is designed for moderate flows and medium to high pressure process gas applications. Constructed as a compact and fully self-contained system, it is manufactured with a LeRoi air-cooled, 1-, 2-, or 3-stage pressure lubricated gas compressor and TESCORP fully automated technology and components. The LGB Gas Booster 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 with 10% X-Ray

Gas Booster control panel is designed per NEC Class I, Division II, Class B,C, & D with:

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

LGB 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



Single Stage - LRG9-DP Reciprocating Compressor for LP Separator Service					
Cylinder Bore (Inches)	# of Cylinders	Ps (PSIG)	Pd (PSIG)	Flow (MSCFD)	Power (HP)
3.750	1, 2 or 3	30 to 50	50 to 410	25 to 400	10 to 40
4.500	1, 2 or 3	30 to 50	50 to 390	40 to 550	10 to 50
5.000	1, 2 or 3	30 to 50	50 to 330	45 to 700	10 to 55
6.125	1, 2 or 3	30 to 50	50 to 230	75 to 750	10 to 55
7.500	1, 2 or 3	30 to 50	50 to 180	140 to 1000	10 to 55
8.500	1, 2 or 3	30 to 50	50 to 150	180 to 1400	10 to 55
Two Stage - LRG9-DP Reciprocating Compressor for LP Separator Service					
4.5 x 2.75	2	30 to 50	150 to 1100	75 to 180	10 to 40
6.125 x 3.50	2	30 to 50	150 to 725	100 to 220	15 to 40
7.5 x 4.5	2	30 to 50	150 to 440	150 to 340	15 to 40
8.5 x 5.0	2	30 to 50	150 to 400	200 to 350	20 to 40
(2) 5.0 x 3.50	3	30 to 50	150 to 800	125 to 380	15 to 55
(2) 6.125 x 4.5	3	30 to 50	150 to 440	200 to 420	20 to 55
Three Stage - LRG9-DP Reciprocating Compressor for LP Separator Service					
4.5 x 2.5 x 1.75	3	30 to 50	300 to 1300	75 to 150	10 to 45
6.125 x 3.5 x 2.0	3	30 to 50	500 to 1300	100 to 200	25 to 55

