

## 'LB' COMPRESSOR SERIES FEATURES

### STANDARD ON EVERY 'LB' SERIES COMPRESSOR

**Ductile Iron Cylinder and Head are Standard on all Models.** Ductile Iron is stronger, much more resistant to thermal shock, and more corrosion resistant than ordinary cast iron.

**O-Ring Seals Between the Cylinder and Head are Standard on all Models.** O-rings in place of flat gaskets eliminate leakage and maintenance problems.

**Valves: Case Hardened Steel Seats and Bumpers with Stainless Steel Discs and Springs are Standard on all Models.** Tough steel valves with corrosion resistant stainless steel discs and springs are easily removable for service without disturbing the piping.

**Valves: Simple Design Allows for Easy Repair and Reconfiguration.** Blackmer valves are easily repaired and assembled by users service personnel. Additionally, suction valves can easily be reconfigured as a discharge valve, and vice versa - simplifying stocking of spare parts.

**One Piece Piston with Single Positive Locking Nut.** The one-piece ductile iron or steel piston and single positive locking nut are both stronger and simpler than multi-piece designs with numerous fasteners.

**Pressure Assisted PTFE Piston Rings for Positive Sealing.** A special chamfer ensures pressure behind the ring to provide maximum sealing efficiency with minimal friction wear.

**No Packing Adjustment Nut.** The Blackmer spring loaded packing never requires adjustment. No expensive scored rods due to over tightened packing!

**Wear Resistant Crosshead Assemblies.** The ductile iron crossheads feature special machined lubrication channels and ports to provide extensive lubrication of the crosshead and guide. Wear is minimized and galling is eliminated.

**Pressure Lubricated Crankcase is Standard on all Models.** An oil pump directly driven by the crankshaft ensures positive lubrication of all bearing surfaces. The oil pump is self-reversing for either direction of rotation and is available with an external automotive type oil filter for extra protection.

**Forged Steel Fittings are Standard on all 'TU' and 'LU' Mountings.** All tees, ells, and crosses used in Blackmer compressor piping assemblies are forged steel (2000# or better).

**Standard Liquid Traps are Repairable and Easily Upgraded.** The trap may be easily opened for inspection and cleaning of the interior and replacement of the stainless steel float. Every trap includes a 1½" NPT opening for a high liquid level switch which can be added at any time.

**14 Gauge Steel Belt Guard on all Mounted Units.** Complete with a support brace, the heavy gauge guard is extremely strong yet easily removable for access to the V-belts.

**Two Coats of Paint are Standard.** Every Blackmer compressor is thoroughly cleaned, painted with a gray primer, then topped with a coat of high grade Dover Blue enamel.

