



Blackmer Liquefied Gas Pumps & Compressors

Durability / High Efficiency / Quiet Operation / Easy Maintenance

Guide to Blackmer Liquefied Gas Equipment

Product	Description / Application	Page
LGF1 LGF1P LGB1 LGB1P	Motor speed pumps for cylinder filling, low volume motor fueling and small vaporizers. • Capacities to 15 U.S. gpm (57 lpm).	4 - 5
LGRL(F)1.25 LGL(F)1.25 LGL(F)1.5 LGL156 LGL158	Motor speed pumps for multi-station cylinder filling, motor-fueling, low volume transfer and vaporizers.	6 - 8
LGLD2 LGLD3 LGLD4 LGLH2 LGL3021	Foot-mounted pumps for bulk plants, terminals, vaporizers, bobtails and transports. • Capacities to 350 U.S. gpm (1,325 lpm).	9 - 12
TLGLF3 TLGLF4	Flange-mounted pumps for bobtails and transports. • Capacities to 350 U.S. gpm (1,325 lpm).	13 - 14
LB081 LB161/LB162 LB361/LB362 LB601/LB602 LB942/LB943	Oil-free gas compressors for liquid transfer and vapor recovery. • Capacities to 125 cfm (212 m ³ /h).	15 - 18
BV0.75 BV1 BV1.25 BV1.5 BV2	Bypass valves for in-line system protection. • Capacities to 250 U.S. gpm (946 lpm).	19

Blackmer offers a full line of liquefied gas pumps and oil-free gas compressors, designed for maximum performance and reliability. From the smallest cylinder filling operation to the largest, most sophisticated bulk plant/rail car unloading system, you will find Blackmer pumps and compressors operating throughout the world.

Sliding vane design is ideal for butane, propane, anhydrous ammonia, propellants, refrigerants and similar liquefied gases

Blackmer liquefied gas pumps are widely used for cylinder filling, motor fueling, bulk transfer, vaporizers, and on bobtails and transports.

Utilizing Blackmer's unique sliding vane design, these positive displacement pumps offer the best combined characteristics of sustained high-level performance, energy efficiency, trouble-free operation, and low maintenance cost.

Pump models are available in 1 to 4-inch port sizes.

All models have ductile iron construction for thermal shock resistance, low friction ball bearings for high efficiency and quiet operation, and threaded lockcollars that prevent end thrust wear.

Replaceable casing liner and end discs

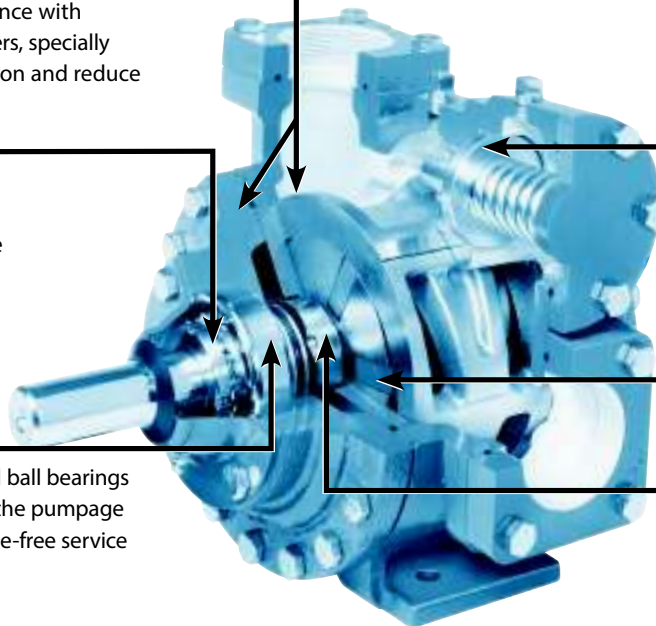
Blackmer LGL models can be economically rebuilt for like-new performance with replaceable end discs and liners, specially designed to suppress cavitation and reduce wear.

Two-piece threaded lock collars Precisely

position the rotor and shaft, allowing the pump to operate under high inlet pressures. In addition, this positive lock thrust control helps prevent premature wear to internal components.

External ball bearings

Low friction grease-lubricated ball bearings are completely isolated from the pumpage by mechanical seals for trouble-free service and long life.



Ductile iron construction

All pressure parts are of ductile iron for greater resistance to both thermal and mechanical shock.

Internal relief valve

Protects the pump from excessive pressure buildup in the event of an obstructed or closed return line.

Nonmetallic Duravanes

Designed to resist wear under non-lubricating conditions. These chemically inert vanes are formulated of a tough resin material for long life and quiet operation.

Blackmer mechanical seals

Specially developed for non-lubricating liquids, Blackmer's exclusive component type design is field proven to provide long life and reliable service on a wide range of liquefied gas applications.

High Performance Design Features