



LGL154, LGL156, LGL158

Continuous Duty, High Pressure LPG and NH₃ Pumps

Applications

- Single and dual hose fuel dispensers
- Aerosol filling
- Vaporizer feed
- Underground tank applications
- Aboveground tank applications
- Other high differential pressure liquefied gas applications
- U.L. listed for use on propane, butane, butane/propane mixes and anhydrous ammonia

Features

- Designed for high differential pressure of 13.7 bar (200 psi)
- Sliding vane, positive displacement design for consistent performance
- Motor speed operation at 1,450 rpm (50Hz) or 1,750 rpm (60Hz) operation
- LGL158 suction lift up to 4 meters (13 feet) – smaller pumps have less lift capability
- LGL154 & 156 Models designed to allow use of single phase motors
- Cavitation suppression liner
- Replaceable liner and discs
- Ductile iron construction
- Flanged inlet and outlet connections
- Factory ISO-9001 certified

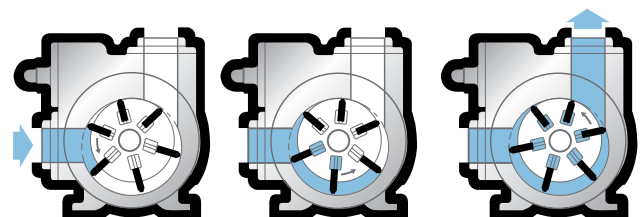


LGL158



LGL154A with C-Face Bracket

How Blackmer's sliding vane action works



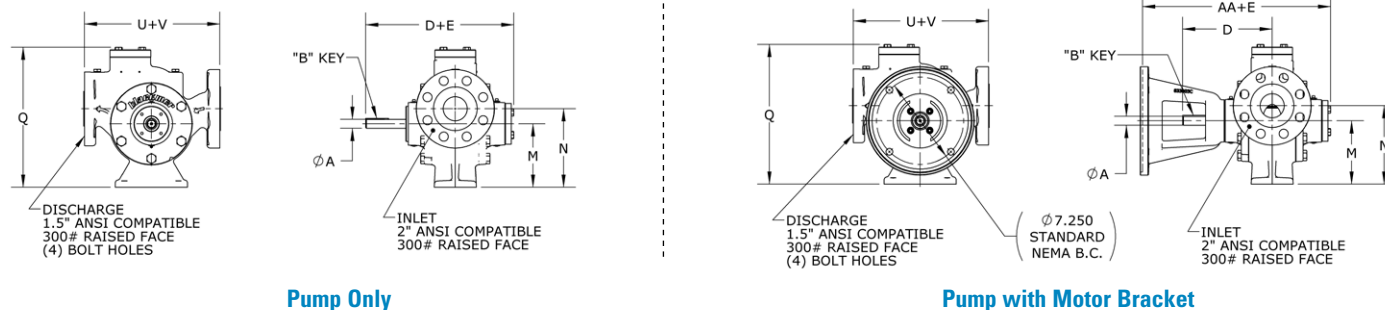


LGL154, LGL156, LGL158 High Pressure LPG and NH₃ Pumps

Pump Specifications

Pump Model	Maximum Speed	GPM (L/min)	HP (kW)	Maximum Differential Pressure	Recommended Bypass Valve Setting	Relief Valve Setting	Maximum Working Pressure
LGL154	1,750	11.2 (42.4)	3 (2.2)	140 PSI (9.6 bar)	140 PSI (9.6 bar)	225 PSI (15.5 bar)	425 PSI (29.3 bar)
LGL156	1,750	21 (79.5)	4.9 (3.6)	160 PSI (11.0 bar)	160 PSI (11.0 bar)	225 PSI (15.5 bar)	425 PSI (29.3 bar)
LGL158	1,750	32.3 (122)	5.2 (4)	200 PSI (13.8 bar)	200 PSI (13.8 bar)	225 PSI (15.5 bar)	425 PSI (29.3 bar)

Dimensions



Pump Only

Pump with Motor Bracket

Pump Only	A	B	D+E	M	N	Q	V+U	Weight
	3/4 in.	3/16 in.	12 5/16 in.	5 1/4 in.	6 1/2 in.	11 19/32 in.	11 1/4 in.	80 lb.
	—	—	312.6 mm	133.4 mm	165.1 mm	294.4 mm	285.8 mm	36 kg

Pump with Motor Bracket	A	B	D	M	N	Q	V+U	AA+E	Weight
	3/4 in.	3/16 in.	7 15/32 in.	5 1/4 in.	6 1/2 in.	11 19/32 in.	11 1/4 in.	15 21/32 in.	92 lb.
	—	—	189.2 mm	133.4 mm	165.1 mm	294.4 mm	285.8 mm	397.5 mm	41.7 kg

DM Drive Style

Direct Motor Drive

Base mounted units are available, complete with pump, coupling and coupling guard, mounting on a common base, ready to accept a standard NEMA motor. DM units are available with and without electric motors.

Distributed by:



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