



MATERIALS of CONSTRUCTION
 Models: LGRLF1.25A, LGRL1.25,
 LGLF1.25A, LGL1.25, LGLF1.5A, LGL1.5

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PART NAME	STANDARD MATERIALS	AVAILABLE OPTIONS
Casing, Heads, Relief Valve Cover	Ductile Iron: ASTM A536, 18%	
Liner, Discs, Bearing Covers	Cast Iron: ASTM A48	
Bearings	Ball (Single Row), Grease Lubricated	
Bearing Locknut and Lockwasher	Steel	
Rotor & Shaft	Single End Keyed Shaft, 8-Vane Rotor	
Rotor	Ductile Iron: ASTM A536	
Shaft	High Strength Steel, AISI 1050 or Equivalent	
Relief Valve	Cast Iron: ASTM A48	Nickel Plated Cast Iron
Relief Valve Cap	Steel	
Relief Valve Spring	Plated Steel	
Relief Valve Spring Setting	150 psi (10.34 bar) Differential Pressure Adjustable 81-150 psi (5.58 - 10.34 bar)	
O-Rings: Other than Mechanical Seal	Buna-N	
Gaskets: Bearing Cover	Fiber	
Vanes	Duravane – Full Size with Stainless Steel Wear Plate	
Mechanical Seals		
Stationary O-Ring	Buna-N	
Stationary Seat	Hardened Steel	
Rotating O-Ring	Buna-N	
Rotating Seal Face	Carbon	
Seal Jacket	Plated Steel	
Seal Spring	Stainless Steel	
Gage Ports	1/4" NPT Inlet, 3/4" NPT Disharge	

PIPE CONNECTIONS

PUMP SIZE	STANDARD
1.25"	1 ¼" NPT Tapped Ports
1.5"	1 ½" NPT Tapped Ports

OPERATING LIMITS

Maximum Differential Pressure	150 psi (10.34 Bar)
Maximum Working Pressure	350 psi (24.13 Bar) for LPG and NH ₃ Service (Limited by U.L. and NFPA 58)