



**MATERIALS OF CONSTRUCTION**  
 Model: LGL158A

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Section	501

PART NAME	STANDARD MATERIALS	AVAILABLE OPTIONS
Casing, Heads, Relief Valve Cover	Ductile Iron: ASTM A536, 18%	
Liner, Discs	Cast Iron: ASTM A48	
Bearings	Cylindrical (Single Row), Grease Lubricated	
<b>Rotor &amp; Shaft</b>	Single End Keyed Shaft, 8-Vane Rotor	
Rotor	Ductile Iron: ASTM A536	
Shaft	High Strength Steel, AISI 4142 or 4140 or Equivalent	
Relief Valve	Cast Iron: ASTM A48	
Relief Valve Spring	Plated Steel	
Relief Valve Spring Setting	225 PSI (15.5 bar) Differential Pressure, non-adjustable	
O-Rings: Other than Mechanical Seal	Buna-N	
<b>Vanes</b>	PPS	
<b>Mechanical Seals</b>		
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	

**PIPE CONNECTIONS**

Inlet	2", 300 lb class ANSI B16 (8 bolts)
Outlet	1.5", 300 lb class ANSI B16 (4 bolts)

**OPERATING LIMITS**

Maximum Differential Pressure	200 PSI (13.8 Bar)
Maximum Working Pressure	425 PSI (29.3 Bar) for LPG (Limited by U.L. and NFPA 58)