



MATERIALS of CONSTRUCTION
 Models: LGL3021A

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Section	501

PART NAME	STANDARD MATERIALS	AVAILABLE OPTIONS
Casing, Heads, Relief Valve Cover	Ductile Iron: ASTM A536	
Discs, Liner	Cast Iron: ASTM A48	
Bearing Covers	Steel	
Bearings	Ball (Single Row), Grease Lubricated	
Bearing Locknut and Lockwasher	Steel	
Rotor & Shaft	Double End Keyed Shaft, 6-Vane Rotor	
Rotor	Ductile Iron: ASTM A536	
Shaft	High Tensile Steel	
Relief Valve	Cast Iron: ASTM A48	
Relief Valve Spring	Plated Steel	
Relief Valve Spring Setting	150 psi (10.34 Bar) Differential Pressure Non-Adjustable	
O-Rings: Other than Mechanical Seal	Buna-N	
Gaskets: Bearing Cover	Fiber	
Vanes	Duravane – Full Size with Stainless Steel Wear Plate	
Push Rods	Non-metallic composite	
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	
Companion Flanges		
	3" NPT Flanges, Ductile Iron: ASTM A536	4" NPT Flanges Steel: ASTM A216 WCB
Gage Ports	1/4" NPT Tapped	

OPERATING LIMITS

Maximum Differential Pressure	125 psi (8.62 Bar) (RV setting minus 25 psi / 1.7 Bar)
Maximum Working Pressure	350 psi (24.13 Bar) for LPG and NH ₃ service (Limited by U.L. and NFPA 58)
Minimum Temperature	-25°F (-31°C)