



**MATERIALS OF CONSTRUCTION**  
 Model: LGLH2A

Page Number	501-096
Effective	June 2005
Replaces	March 2005
Section	501

PART NAME	STANDARD MATERIALS	AVAILABLE OPTIONS
Casing, Heads, Relief Valve Cover	Ductile Iron: ASTM A536, 18%	
Discs, Liner	Cast Iron: ASTM A48	
Bearing Covers	Steel	
Bearings	Spherical Roller (Single Row), Grease Lubricated	
Bearing Locknut and Lockwasher	Steel	
<b>Rotor &amp; Shaft</b>	Double End Keyed Shaft, 6-Vane Rotor	
Rotor	Ductile Iron: ASTM A536	
Shaft	High Tensile Steel AISI 41L40 or Equivalent	
Relief Valve	Cast Iron: ASTM A48	
Relief Valve Spring	Chrome-Vanadium	
Relief Valve Spring Setting	190 PSI (13.1 Bar) Differential Pressure Non-Adjustable	
O-Rings: Other than Mechanical Seal	Buna-N	
Gaskets: Bearing Cover	Fiber	
<b>Vanes</b>	Duravane – Full Size with Stainless Steel Wear Plate	
Push Rods	Case Hardened Steel	
<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	
Companion Flanges	<b>Two 2" NPT</b> Flanges, Ductile Iron: ASTM A536, 18%	<b>Two 2" Weld</b> Flanges, Steel: ASTM A216 WCB
Gage Ports	1/4" NPT Tapped	

**OPERATING LIMITS**

Maximum Differential Pressure	165 PSI (11.4 Bar)
Maximum Working Pressure	390 PSI (26.8 Bar) for LPG and NH <sub>3</sub> service (Limited by U.L. and NFPA 58)