



Page Number	701-093
Effective	Jul 2013
Replaces	New
Section	701

**NOTE:** Temperature and viscosity ratings given below apply to individual components **Only**. For actual maximum temperatures and viscosities for the rated pump, see "**Operating Limits**" on backside.

PART NAME	STANDARD MATERIALS	AVAILABLE OPTIONS
Cylinder, Heads	Ductile Iron: ASTM 536	
R/V Cover, Cap, Body	Ductile Iron: ASTM 536	
Liner, Discs, Bearing Covers	Cast Iron: ASTM A48	
Removable Hubs	Ductile Iron: ASTM 536	
Bearings	Spherical Roller Bearing	
Bearing Locknuts:	Steel	
Rotor & Shaft		
Rotor	Cast Iron: ASTM A48	
Shaft	High Strength Steel	
Optional Relief Valve (R/V)	Plated Cast Iron	
Relief Valve Spring	Plated Steel	Stainless Steel
R/V Spring Ranges	81-100 psi (5.6 - 6.9 bar)	101-120 psi (7.0 – 8.3 bar)
O-Rings:	Buna-N	
Gaskets	Composition	
Mechanical Seals		
Stationary O-Ring	EPDM	
Stationary Seat	Tungsten Carbide	
Rotating O-Ring / Seal Ring	EPDM	
Rotating Seal Face	Carbon	
Seal Jacket	Stainless Steel	
Seal Spring	Stainless Steel	
Vanes	EC Laminate – Extra Clearance with 316 Stainless Steel Wear Plate	
Push Rods	Case Hardened Steel	
Gage Ports	1/4" NPT	
Pipe Companion Flanges	Ductile Iron, 8" Weld companion flange: Cast Steel	

Centipoise (cP) = centistokes (cSt) at fluid specific gravity of 1.0.

### OPERATING LIMITS

	STANDARD MATERIALS
Minimum Temperature	-30°F (-34°C)
Maximum Differential Pressure*	100 psi (6.89 bar)
Maximum Working Pressure	400 psi (27.58 bar)

\* Maximum system/pump relief valve setting to be limited to 120 psi differential pressure.