



MATERIALS OF CONSTRUCTION
Model: SX1B-DEF

Page Number	203-093
Effective	Jul 2017
Replaces	Dec 2015
Section	203

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, Head	316 Stainless Steel: ASTM A743, CF-8M	
Bushing	Rulon® 641	
Rotor Assembly		
Rotor	ZYTEL HTN 51G35EF	
Motor/Pump Shaft	316 Stainless Steel	
Relief Valve (R/V)	PPS ¹	
Relief Valve Spring Guide	Stainless Steel	
Relief Valve Spring	Stainless Steel Non-adjustable 36 psi (2.48 bar)	
O-Ring: Head	Ethylene Propylene (EP)	
Vanes	Duravane® - Full Size, No Wear Plate	
Mechanical Seals		
Gasket	Ethylene Propylene (EP)	
Stationary Seat	Silicon Carbide	
Bellows Diaphragm	Ethylene Propylene (EP)	
Rotating Seal Face	Carbon	
Seal Shell & Drive	Stainless Steel	
Seal Spring	Stainless Steel	
Pipe Connections	1" NPT Tapped Ports	1" BSP Tapped Ports

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¹ PPS: Polyphenylene Sulfide

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

OPERATING LIMITS

Maximum Temperature	Pump: 240°F (115°C) Note: DEF should be limited to 110°F (43°C)
Minimum Temperature	-25°F (-31°C)
Maximum Viscosity	50 SSU (7 cP))
Maximum Differential Pressure	25 psi (1.72 Bar)
Maximum Working Pressure	50 psi (3.44 Bar)