

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, Relief Valve Cover	2", 2.5", 3" 4"	Cast Iron: ASTM A48 Ductile Iron: ASTM 536
Heads	2", 2.5", 3" GX4B (inboard) GX4B (outboard) X4B	Cast Iron: ASTM A48 Ductile Iron: ASTM 536 Ductile Iron: ASTM 536
Bearing Covers	2", 2.5", 3" 4"	Steel Cast Iron: ASTM A48
Bearings		Single Ball Bearing; Grease Lubricated, to 300°F (149°C) Max.
Locknut and Lockwasher		X2.5, X3 ONLY: Steel
Rotor & Shaft		
Rotor		Ductile Iron: ASTM 536
Shaft		High Strength Steel
Relief Valve (R/V)		Cast Iron: ASTM A48 Nickel Plated Cast Iron
Relief Valve Cap	2", 2.5" 3", 4"	Steel Ductile Iron: ASTM 536
Relief Valve Spring		Plated Steel
R/V Spring Ranges	2", 2.5", 3" 4"	51-75 psi (3.5 – 5.2 Bar) 51-110 psi (3.5 – 7.6 Bar)
O-Rings: Other than Mechanical Seal		Fluorocarbon (FKM) to 400°F (204°C) PTFE to 500°F (260°C)
Gaskets		Fiber to 300°F (149°C)
Vanes		Duravane - Full Size with Stainless Steel Wear Plate to 240°F (115°C); 20,000 SSU (4,250 cP) Maximum. EC Laminate - Extra-Clearance with Stainless Steel Wear Plate to 350°F (176°C); 40,000 SSU (8,500 cP) Max. 'X' Models only: EC Cast Iron - Extra-Clearance to 500°F (260°C); 500 SSU (105 cP) Min.
Push Rods		Case Hardened Steel
Mechanical Seals		
Stationary O-Ring		IVCV FKM to 400°F (204°C) IACT PTFE to 500°F (260°C)
Stationary Seat		Cast Iron Cast Iron
Rotating O-Ring / Seal Ring		FKM to 400°F (204°C) PTFE to 500°F (260°C)
Rotating Seal Face		Carbon - 20,000 SSU (4,250 cP) Max. Carbon - 20,000 SSU (4,250 cP) Max.
Seal Jacket & Spring		Plated Steel Plated Steel
Gage Ports		1/4" NPT

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

Models: GX2B, GX2.5B, GX3E, GX4B
X2B, X2.5B, X3E, X4B

PIPE COMPANION FLANGES

PUMP SIZE	STANDARD	OPTIONAL
2"	2" Cast Iron, NPT Tapped	2" Steel, Weld: ASTM A216 WCB 2" 150# RF ANSI compatible
2.5"	2.5" Cast Iron, NPT Tapped	2.5" Steel, Weld: ASTM A216 WCB 2.5" 150# RF ANSI compatible
3"	3" Cast Iron, NPT Tapped	3" Steel, Weld: ASTM A216 WCB 3" 150# RF ANSI compatible
4"	4" Ductile Iron: ASTM 536, NPT Tapped	4" Steel, Weld: ASTM A105 4" 150# RF ANSI compatible

OPERATING LIMITS

		STANDARD MATERIALS	OPTIONAL MATERIALS
Maximum Temperature		240°F (115°C)	300°F (149°C) With FKM or PTFE O-Rings and metal vanes Note: Temperature is limited by ball bearings
Maximum Viscosity	X2, X2.5, X3	20,000 SSU (4,250 cP)	
	X4	20,000 SSU (4,250 cP)	
	GX2, GX2.5, GX3, GX4	20,000 SSU (4,250 cP) GX Pumps are limited by the gear reducer. Consult Pump Characteristic Curves and Reducer Horsepower Capabilities	
Maximum Differential Pressure*		125 psi (8.6 Bar)	
Maximum Working Pressure		175 psi (12.1 Bar)	

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* Maximum Relief Valve Setting