

Appendix B—Specifications For Models C51, D51 and F51 Pumps

Operating Specifications

Minimum RPM:	1450	Maximum RPM:	1750
Minimum temperature:	-25°F (-32°C)	Maximum temperature:	225°F (107°C)
Maximum working pressure:	350 psig (25.2 bar g)	Maximum differential pressure:	125 psi (8.6 bar d)
Maximum driver size:	2 hp (1.5 kW)	Flow range:	1–6 gpm (4–23 L/min)

Material Specifications

Part	Model	Standard Material	Optional Material
Case, head rotor	All	Ductile iron ASTM A536	None
Sideplate	All	Gray iron ASTM A48, Class 30	None
Seal seat	All	Cast iron	Ni-Resist, stainless steel, ceramic, and tungsten carbide
Seal rotor	All	Carbon	None
Seal metal parts	All	Steel	None
Vanes	All	Carbon	None
Relief valve springs	All	Steel, cadmium plated	None
Relief valve	All	Steel	None
Shaft	All	“Stressproof” steel	None
Mounting bracket	C51	Gray iron ASTM A48, Class 30	None
Base	F51	Steel	None
O-rings	All	Buna-N	PTFE, Viton®, Neoprene® ¹
Relief valve adjusting stem seal	All	Buna-N	None
Retainer rings	All	Steel	None
Bearings	All	Cylindrical roller	None

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