

## Appendix B—Specifications for All D-Model (Direct-Mount) and F-Model (Frame-Mount) Pumps

### Operating Specifications for DL-, DLF-, DS-, DSF-, F-, and FF-Model Pumps

Inlet: F/DS/DL 9 through 10, 1-1/4" NPT	Maximum working pressure: 400 psig (27.6 bar)
F/DS/DL 12 through 14, 1-1/2" NPT	Maximum differential pressure: 125 psig (8.6 bar)
Optional: 1" NPT, 1" or 1-1/2" 300# ANSI	Optional driver range: 1 to 15 hp (0.75 to 11.2 kW)
Outlet: 1" NPT, 300# ANSI optional	Temperature range: -25° to 225°F (-32° to 107°C)
RPM: 3450 @ 60 Hz, 2880 @ 50 Hz	Flow range: 2–36 gpm (7.6–136.3 L/min)
Rotation: Clockwise only	Maximum viscosity: 400 SSU (88 cSt)

### Material Specifications for DL-, DLF-, DS-, DSF-, F-, and FF-Model Pumps

Part	Model	Standard Material	Optional Material
Case, cover	All	Ductile iron ASTM A536	None
Impeller	All	Bronze	Ductile iron, 416 SS
Impeller key	All	Steel	Stainless steel
Seal seat	All	Cast iron	304 SS, N-Resist, ceramic, tungsten carbide
Seal rotor	All	Carbon	None
Seal metal parts	All	Steel	None
Seal sleeve	All	Aluminum	416 Stainless steel
Seal follower	All	Aluminum	416 Stainless steel
Seal housing	All	Steel, cadmium plated	416 Stainless steel
Shaft	F-Models	Stressproof steel	416 Stainless steel
Frame	F-Models	Gray iron ASTM A48 Class 30	None
Bearing cap	F-Models	Aluminum	None
O-rings	All	Buna-N	PTFE, Viton <sup>®</sup> , Neoprene <sup>®1</sup> Ethylene-propylene
Retainer rings	F-Models	Steel	None
Bearings	All	Ball	None

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