

Appendix B—Material and Mechanical Specifications for Models 060, 075, and 150 Coro-Flo® Pumps

Equipment Type and Options

Regenerative turbine pump
Foot mounted (FF060, FF075, FF150, FD060, FD075, or FD150)
Direct mounted (DLF060, DLF075, DLF150, DLD060, DLD075, or DLD150)
Available with ASME Class 300 RF or DIN flanges

Applications

Under and aboveground autogas dispensing
Multiple cylinder filling stations
Vaporizer feed—high pressure
Direct, high pressure asphalt burner feed

Features and Benefits

Regenerative turbine type:	Able to handle liquefied gases without flashing
High flows and differential pressures:	Ideal for dual hose dispensers and multiple dispensers
Heavy duty bearings:	Long bearing life
Single mechanical seal:	Silicon carbide seal seat requires less maintenance
Floating impeller:	Minimizes wear and lasts longer
ASME or DIN, metric fasteners optional:	Usability for US or overseas applications
Runs at 50 or 60 cycle (Hz):	Usability for US or overseas applications
Two mounting options:	Installation versatility

Operating Specifications

Inlet: 1-1/2" ASME Class 300 RF (DIN optional)	Max. diff. press. for Model 060: 150 psig (10.3 bar) @ 60 Hz ¹
Outlet: 1" ASME Class 300 RF (DIN optional)	Max. diff. press. for Model 075: 200 psig (13.8 bar) @ 60 Hz ¹
RPM: 3450 @ 60 Hz, 2880 @ 50 Hz	Max. diff. press. for Model 150: 250 psig (17.2 bar) @ 60 Hz ¹
Maximum working pressure: 400 psig (27.6 bar)	Flow range for Model 060: 7–22 gpm (26.5 to 83.3 L/min)
Maximum driver: 20 hp (15 kW)	Flow range for Model 075: 10–40 gpm (37.9 to 151.4 L/min)
Temperature range: -25° to 225°F (-32° to 107°C)	Flow range for Model 150: 12–58 gpm (45.4 to 219.6 L/min)

Material Specifications

Part	Model	Standard Material	Optional Material
Case, cover	All	Ductile iron ASTM A536	
Impeller	All	Copper alloy CA-836	Steel, stainless steel
Impeller key	All	Steel, zinc plated	
Seal seat	All	Silicon carbide	
Seal rotor	All	Carbon	
Seal metal parts	All	Stainless steel	
Seal sleeve	All	Stainless steel	
Seal housing	All	Stainless steel	
Shaft	All	Steel	Stainless steel
Frame	FF/FD	Ductile iron ASTM A536	
	DLF/DLD	Ductile iron ASTM A536	
Bearing cap	All	Ductile iron ASTM A536	
O-rings	All	Buna-N	Neoprene®, Viton®, ethylene propylene, Kalrez® ²
Retainer rings	All	Steel	
Bearings	All	Ball	

¹ Maximum discharge pressure should be limited to the maximum system pressure rating.

² Registered trademark of the DuPont company.