

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

Equipment Type & Options

Regenerative turbine liquid pump
 Foot mounted (FF060, FF075, FF150, FD060, FD075, or FD150)
 Direct mounted (DLF060, DLF075, DLF150, DLD060, DLD075, or DLD150)
 All have either 300# ANSI or DIN flanges

Applications

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

Features & 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:	Very easy seal replacement and maintenance
Floating impeller:	Long impeller life, lower maintenance
ANSI 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:	Versatility for your installation

Operating Specifications

Inlet: 1-1/2" ANSI 300# RF (DIN opt.)	Max. diff. press. for Model 060: 150 psig (10.3 bar) @ 60 Hz ¹
Outlet: 1" ANSI 300# RF (DIN opt.)	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
Max. wrk. press.: 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)

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

Material Specifications

Part	Model	Standard Material	Optional Material
Case, cover	All	Ductile iron ASTM A536	
Impeller	All	Copper alloy ASTM B584, UNS C92300 (also known as Navy Bronze)	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	Gray iron ASTM A48, Class 30	
	DLF/DLD	Ductile iron ASTM A536	
Bearing cap	All	Ductile iron	
O-rings	All	Buna-N	Neoprene®, Viton®, Buna-N, Kalrez® ²
Retainer Rings	All	Steel	
Bearings	All	Ball	

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