

Appendix B—Specifications for Models PZ7 and PZ10

Operating Specifications

Standard connections:	2" or 2-1/2" NPT
Optional connections:	2" or 2-1/2" Slip-on weld, BSPT
Maximum differential pressure:	125 psid (8.6 bar)
Operating temperature range:	Up to 300°F (149°C)
Maximum working pressure:	200 psi (13.8 bar)
Maximum speed:	800 RPM
Fluids:	For refined petroleum products and industrial solvents

Material Specifications

Part	Model	Standard Material	Optional Material
Case	All	Ductile iron ASTM A536	
Head	All	Ductile iron ASTM A536	
Flanges	All	Ductile iron ASTM A536	
Rotor	All	Ductile iron ASTM A536	
Bearing cap	All	Ductile iron ASTM A536	
Sideplates	All	Cast iron Class 30	
Vanes and vane drivers	All	Advanced polymer	
Bypass valve	All	17-4 PH stainless steel	
Bypass spring	All	Steel	
Seal seat	All	Silicon carbide	
Seal metal parts	All	Steel	
Shaft	All	8620 steel	
Thrust bearing	All	Steel	
O-rings	All	Viton ^{®1}	Buna-N

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