



MATERIALS OF CONSTRUCTION
SLD2, SLD2.5, SLD3

MAIN PARTS 2''- 2.5''- 3''		
PART NAME	STANDARD MATERIALS	OPTIONAL MATERIALS
Pump body, Heads By-pass valve cover Two-way outlet cover (not for 3'')	Cast iron GG25	
Bearing covers	Aluminum	
Bearing	Deep groove ball bearing, grease lubricated, to 150°C (302°F)	
Rotor	Cast iron GG25	
Shaft	Single end keyed shaft steel 42CrMo4	Double end keyed shaft steel 42CrMo4

BY-PASS VALVE 2''- 2.5''- 3''		
PART NAME	STANDARD MATERIALS	OPTIONAL MATERIALS
Valve	Brass	Cast iron GG25 Stainless steel SS316
Spring	Steel C80 DIN 17223	Steel C80 DIN 17223 plated Stainless steel SS316

VANES 2''- 2.5''- 3''		
PART NAME	STANDARD MATERIALS	OPTIONAL MATERIALS
Vane	Advanced polymer with St37 plate to 130°C (266°F). 4250cSt(20000ssu)	Laminate VOLTIS® Hgw 2082 with St37 plate to 130°C (266°F). 4250cSt(20000ssu)
Push rods	Stainless steel SS304	

SEALING 2'' - 2.5'' - 3''		
PART NAME	STANDARD MATERIALS	OPTIONAL MATERIALS
Rotary lip seal	NBR NITRILE to 120 ⁰ C (248 ⁰ F)	FKM (Viton) to 200 ⁰ C (392 ⁰ F)
O-ring	NBR NITRILE to 120 ⁰ C (248 ⁰ F)	FKM (Viton) to 200 ⁰ C (392 ⁰ F)

PIPING CONNECTION 2''- 2.5''- 3''		
PART NAME	STANDARD MATERIALS	OPTIONAL MATERIALS
Flange	Two weld flanges St37	Two NPT flanges St37 Two BSPP DIN2986 couplings ANSI adaptors