



MATERIALS OF CONSTRUCTION SAC2, SAC2.5, SAC3

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'')	Stainless steel SS316	Stainless steel SS304
Bearing covers	Aluminum	
Bearing	Deep groove ball bearing, grease lubricated, to 150°C (302°F)	
Rotor	Stainless steel SS316	Stainless steel SS304
Shaft	Single end keyed Stainless steel SS316	Stainless steel SS304 Double end keyed Stainless steel SS316 Double end keyed Stainless steel SS304

BY-PASS VALVE 2''- 2.5''- 3''		
PART NAME	STANDARD MATERIALS	OPTIONAL MATERIALS
Valve	Stainless steel SS316	Stainless steel SS304
Spring	Stainless steel SS316	Stainless steel SS302

VANES 2''- 2.5''- 3''		
PART NAME	STANDARD MATERIALS	OPTIONAL MATERIALS
Vanes	PTFE (Teflon) with SS316 plate to 250°C (482°F). 4250cSt(20000ssu)	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 SS316	Stainless steel SS304

SEALING 2''- 2.5''- 3''		
PART NAME	STANDARD MATERIALS	OPTIONAL MATERIALS
Mechanical seal	Type 59U Stationary Ring: silicon carbide Rotary Ring: carbon Secondary seal: PTFE (Teflon) to 250°C (482°F). Spring & metal parts: SS316	Type 502 Stationary Ring: silicon carbide Rotary Ring: silicon carbide Secondary seal: FKM (Viton) to 200°C (392°F) Spring & metal parts: SS304
O-ring	FEP (Teflon) to 205°C (400°F) encapsulated FKM (Viton)	FKM (Viton) to 200°C (392°F)

PIPING CONNECTION 2''- 2.5''- 3''		
PART NAME	STANDARD MATERIALS	OPTIONAL MATERIALS
Flange	Two weld flanges SS316	Two NPT flanges SS316/SS304 Two BSPP DIN2986 SS316/SS304 couplings ANSI adaptors