



MATERIALS OF CONSTRUCTION

FX1, FX1.5, FX3, FX4

MAIN PARTS 1'' - 1.5'' - 3'' - 4''		
PART NAME	STANDARD MATERIALS	OPTIONAL MATERIALS
Pump body, Heads By-pass valve cover	Cast iron GG25	
Bearing covers	Aluminum	
Bearing	Deep groove ball bearing, grease lubricated, to 150°C (302°F)	
Gears	Cast iron GG25	Case Hardening Steel 17NiCrMo6-4 thermal treated
Shafts	Keyed shaft steel 42CrMo4	Thermal treated keyed shaft steel 42CrMo4

BY-PASS VALVE 1.5''- 3'' – 4''		
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

SEALING 1''- 1.5''- 3'' – 4''		
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 1.5''- 3'' – 4''

PART NAME	STANDARD MATERIALS	OPTIONAL MATERIALS
Flange	Weld flanges St37	NPT flanges St37 BSPP DIN2986 couplings ANSI adaptors