



MANUFACTURING PROGRAM INDUSTRIAL DIVISION

	THREE SCREW PUMPS											TWIN SCREW PUMPS		FLOW METERS	RELIEF and CONTROL VALVES							
	PXF	PZ	PDA	POF	PWOF	PA	PCK	PHS	PQJ	PWO	PB	ZSP LS	ZSP WTG	MPVB	VMPH	VMP	BVPA	BVPAP	VCP	EV3	VVP	
Flow rate, L/minute (USGPM)	4000 (1036)	5400 (1400)	160 (42)	600 (158)	1700 (450)	850 (224)	5000 (1320)	up to 170 (45)	38 (10)	600 (159)	up to 170 (45)	10-10,000 (3 to 2,670)	10-10,000 (3 to 2,670)	1-900 (0.4 to 238)	10000 (2670)	1200 (317)	250 (66)	120 (32)	250 (66)	2000 (528)	80 (21)	
Max Operating pressure, Bar (PSI)	30 (450)	16 (232)	10 (145)	120 (1740)	100 (1450)	10 (145)	30 (450)	16 (232)	10 (145)	100 (1450)	40 (570)	10 (146)	16 (232)	400 (5800)	100 (1450)	40 (570)	100 (1450)	101 (1450)	120 (1740)	100 (1450)	250 (3600)	
Viscosity, typical (cSt) - Note #1	10-1500	1.2-5,000	20-500	10-5,000	10-400	10-1500	10-1500	1.2-5,000	10-500	1-400	1.2-5,000	10-1500	5-2,500	1-5000	3-400	10-5000	1-400	1-401	1-400	1-400	10-500	
Max operating temperature °C (°F) - Note #1	120 (248)	120 (248)	100 (212)	120 (248)	100 (212)	120 (248)	120 (248)	150 (302)	100 (212)	150 (302)	100 (212)	300 (570)	300 (570)	0 to 110 (32 to 230)	100 (212)	100 (212)	150 (302)	151 (302)	100 (212)	100 (212)	75 (167)	
TYPICAL APPLICATIONS																						
Iron and steel	✓	✓						✓					✓									
Mining - cement industry	✓	✓		✓																		
Pulp and Paper	✓	✓						✓														
Automobile industry (manufacturing)										✓	✓								✓	✓	✓	
Renewable energy (wind - hydro)	✓			✓	✓							✓	✓									
High vacuum applications	✓																					
Lube systems	✓	✓						✓	✓													
Cooling and Lubricating (machine tools)														✓								
Kidney loop systems	✓		✓			✓		✓	✓										✓	✓	✓	
Hydraulic systems, booster pumps	✓	✓				✓																
High pressure hydraulic systems				✓	✓												✓					
Fuel, transfers		✓					custom	✓			custom											
High/very high viscosity applications	✓	✓						✓														
Mounting configurations	H, V, P	H, V, P	H, V	H, V, R		V (note 2)	H, V, P	H, V	H, V	H, V, R	H, V	H, V	H, V									
Standard materials of construction																						
Casing	G (OPT. C)	G	T	G+T	T	C/E	G	T	G	G		ask SEIM	ask SEIM	C	G+H	G+H	G+H		G+T+H	G+H	G+H	
Screw set	C	I	C	I	C	C/I	I	G/C	I	I		ask SEIM	ask SEIM	I								
Type of seal	M.L	M.L	M.L	M	No	M	M.L	O.M	M	M.L		M	M									
IN and OUT port connections	F	D (opt. A)	B	F	B (note 3)	A	Custom	B	F	Custom		A/D	A/D	B								
Built-in relief valve							Option															
Options																						
	Note 5											Note 4										



Descriptions	
A: ANSI Flanges	E: Stainless Steel
B: BSP thread	F: SAE
C: Steel	G: Cast Iron
D: DIN Flanges	H: Horizontal
I: Nitrided Steel	L: Magnetic drive
M: Mechanical Seal	O: Other Seal type
P: Direct connection to PTO	R: Submersible, with P port above tank plate
S: Strainer in inlet port, or axial inlet flange.	T: Aluminum
V: Vertical	

Note

- 1: Contact SEIM for different temperature conditions
 - 2: Only for vertical mounting submerged in oil
 - 3: Strainer in inlet port, or axial inlet flange.
 - 4: API compliant pump. Contact SEIM O&G Division
 - 5: Pump foot for vertical or horizontal mounting, optional
 - 6: With solenoid valve, 24 or 12 Vdc
- Refer to SEIM literature - catalogue or technical bulletin - for details, dimensions and performance shown in the chart are indicative. For different performance contact SEIM or its local Distributor.**

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