



Direction of rotation: clockwise for all pumps as seen from the driving side. Bi-directional and reverse rotation pump available depending on series.

S C R E W P U M P P R O D U C T R A N G E												
Series	PA	PC	PDA	PEA3	PE4	PF	PGA	PH	PO	PQJ	PU	PX
Models (No.)	23	22	7	5	20	15	22	22	12	5	9	22
Delivery Flow (lpm)	3 - 950	10 - 1500	15 - 160	300/1500	10 - 950	10 - 390	10 - 1500	10 - 1500	10 - 280	3 - 30	500/5000	10 - 2400
Maximum Continuous Delivery Pressure (bar)	50	40	10	50	80	130	60	80	100	10	30	30
Viscosity (cSt) - (1)	10 - 400	10 - 400	20 - 400	10 - 400	10 - 400	10 - 400	1 - 400	5 - 400	1 - 400	10 - 400	10 - 400	10 - 400
Working Temperature (°C) - (1)	0 - 120	0 - 120	0 - 100	0 - 120	0 - 120	0 - 120	0 - 60	-20/+160	0 - 60	0 - 100	0 - 120	0 - 120
Rotating Speed (rpm minimum/maximum)	750/3500	750/3500	750/3500	750/3500	750/3500	750/3500	1450/3500	750/3500	1450/3500	750/3500	750/1500	750/2900
M E D I A C O M P A T I B I L I T Y												
Lube & Lubricating Oils	+	+	+	+	+	+	O	+	O	+	+	+
Diathermic Oils		+		+	+	+		+			+	+
Fuel Oils		O					+	+	+		O	O
Oil or Glycol Water Emulsion							+	O	+		O	O
S E R I E S M A I N C H A R A C T E R I S T I C S												
Self-priming Capacity	+	+	+	+	+	+	+	+	+	+	+	+
Seal Type (M = mechanical - C = lip)	(2)	M	M	M	M	M	M	M	M	C	M	M
B U I L T - I N R E L I E F V A L V E												
Internal Relief			O	O	O			O		O	O	O
External Relief				O	O		O		O		O	O
In-Line (VMP)	O	O	O	O	O		O	O	O	O	O	O
M O U N T I N G												
Horizontal		+	+	+	+	+	+	+	+	+	+	+
Vertical	+	+	+	+	+	+	+	+	+	+	+	+
Flanged	+	+	+	+	+	+	+	+	+	+	O	+
On Foot		O		O	O	O	O	O	O		+	O
Tripod		O		O	O	O	O	O	O		O	O
On Base-Plate		O		O	O	O	O	O	O		O	O
Direct Coupling Motor Pump			O							O		
M A T E R I A L S												
Casing	A	A/G	A	A	A	A	H	G	H	A	G	G
External Casing		C										
Main/Idler Screws	N/G	N	N/G	N	N	N	N	N	N	N/G	N	N/G
O-rings		V	V	V	V	V	V	V	V	V	V	V
Seal (3) Shaft		Z	S	S	S	S	W (or T)	W (or T)	W (or T)	V	W	S (or T)
S U C T I O N / D E L I V E R Y P O R T S												
BSP	+	(4)	+	O	O	O	O	O		+		+
SAE				+	+	+	+	+	+			+
DIN			O	O	O	O	O	O			+	O
ANSI			+	O	O	O	O	O			O	O

+ - Standard execution O - Optional

(1) Viscosity range for standard built pumps, for different functional characteristics please contact the jbj Techniques Ltd. technical department tel: 01737 767493 or email: info@jbj.co.uk.

(2) Submerged pump.

(3) Other typologies/materials upon request

(4) Optional, with strainer on suction side

Materials

A: Aluminium alloy

H: Cast iron + resin insert

T: Teflon ®

Z: Silicium carbide/graphite

C: Carbon steel

N: Nitrided steel

V: Viton ®

G: Cast iron

S: AISI 630 Stainless steel/graphite

W: Tungsten carbide/ Tungsten carbide

SCREW PUMPS

SCREW PUMP PRODUCT RANGE



Screw Pump displacement, series, number of leads, model code

Displacement (cm ³ /rev)	Inner Screw ø (mm)	Lead	Lead Code	Pump Series											
				PA	PC	PDA	PE3	PE4	PF	PGA	PH	PO	PQJ	PU	PX
				Number of Leads											
3.3	018	022	A	6									4		
4.8		032	B	6									4		
6.6		044	C	6									4		
9.6	025	034	A	6	4			4	6	4	4	6	3		4
11.8		042	B	6	4			4	6	4	4	6			4
14.1		050	C	6	4			4	6	4	4	6			4
15.9	029	042	A	6	4	2		4	6	4	4	6			
18.9		050	B	6	4	2		4	6	4	4	6			
22.1	032	048	A	4	4	2		4	6	4	4	6			4
29.5		064	B	4	4	2		4	6	4	4	6			4
40.4	040	056	A	4	4	2		4	6	4	4	6			4
49.0		068	B	4	4	2		4	6	4	4	6			4
57.7		080	C	4	4	2		4	6	4	4	6			4
69.4	045	076	A	4	4			4	6	4	4	6			4
82.1		090	B	4	4			4	6	4	4	6			4
98.2	055	072	A	4	4			4	6	4	4				4
117.2		086	B	4	4			4	6	4	4				4
139.1		102	C	4	4			4	6	4	4				4
165.5	060	102	A	4	4			4		4	4				4
194.7		120	B	4	4			4		4	4				4
233.6	072	100	A	4	3		3	4		4	4				4
280.4		120	B	4	3		3	4		4	4				4
336.4		144	C	4	3		3	4		4	4				4
434.7	083	140	A		3		3			4	4				3
527.8		170	B		3		3			4	4				3
638.0	102	136	A											3	3
788.0		168	B											3	3
975.0		208	C											3	3
1202.0	126	168	A											3	3
1488.0		208	B											3	3
1832.0		256	C											3	3
2281.0	156	208	A											3	
2807.0		256	B											3	
3421.0		312	C											3	

Example of ordering code

