



PIVOTAL™

PROGRESSING CAVITY PUMP SPECIFICATIONS

EXPERIENCE
PERFORMANCE.

Standard Motor Specifications																				
Series Name	Model Name	Nominal Capacity (units/day/100rpm)		PivotAL Lift (x2)		PivotAL Stator Length		Rotor Overall Length (for P)		Stator Tube OD	Standard Stator Configuration		Optional Stator Configuration		Rotor Drift Diameter	Standard Rotor Connection	Min Tubing Size for Rotor Drift	Min Tubing Size for Rotor Orbit	Min Tubing Size for 3/4 (19.1) Coil	Cavity Inflow CSA
		m³	bbls	m	ft	m	in	m	in	in (mm)	Size in (mm)	OD in (mm)	Size in (mm)	OD in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in² (mm²)
3-1/8 Series	4	4	25 B	1200	3900	2.74	108	146	3.71	3.13 (79.4)	2-7/8 EUE Pin (73.0 EUE Pin)	3.46 (87.9)	2-3/8 EUE WEX (60.3 EUE WEX)	3.13 (79.4)	1.63 (41.3)	7/8 (22.2) API Pin	2-3/8 EUE (60.3 EUE)	2-7/8 EUE (73.0 EUE)	2-7/8 EUE (73.0 EUE)	0.76 (490)
				1600	5200	3.66	144	182	4.62											
				2000	6600	4.57	180	218	5.54											
				2400	7900	5.49	216	254	6.45											
	5 CH	5	31 B	1200	3900	2.74	108	146	3.71	3.13 (79.4)	2-7/8 EUE Pin (73.0 EUE Pin)	3.46 (87.9)	2-3/8 EUE WEX (60.3 EUE WEX)	3.13 (79.4)	1.65 (41.9)	7/8 (22.2) API Pin	2-3/8 EUE (60.3 EUE)	2-7/8 EUE (73.0 EUE)	2-7/8 EUE (73.0 EUE)	0.96 (619)
				1600	5200	3.66	144	182	4.62											
				2000	6600	4.57	180	218	5.54											
				2400	7900	5.49	216	254	6.45											
	7	7	44 B	1200	3900	3.43	135	173	4.39	3.13 (79.4)	2-7/8 EUE Pin (73.0 EUE Pin)	3.46 (87.9)	2-3/8 EUE WEX (60.3 EUE WEX)	3.13 (79.4)	1.63 (41.3)	7/8 (22.2) API Pin	2-3/8 EUE (60.3 EUE)	2-7/8 EUE (73.0 EUE)	2-7/8 EUE (73.0 EUE)	0.84 (542)
				1600	5200	4.57	180	218	5.54											
				2000	6600	5.72	225	263	6.68											
3-1/2 Series	10	10	63 B	1200	3900	3.66	144	182	4.62	3.5 (88.9)	2-7/8 EUE Box (73.0 EUE Box)	3.5 (88.9)	3-1/2 NUE Pin (88.9 NUE Pin)	4.18 (106.2)	1.88 (47.7)	7/8 (22.2) API Pin	2-3/8 EUE (60.3 EUE)	2-7/8 EUE (73.0 EUE)	3-1/2 EUE (88.9 EUE)	1.11 (716)
				1600	5200	4.88	192	230	5.84											
				2000	6600	6.10	240	278	7.06											
	15	15	94 B	1200	3900	4.57	180	218	5.54	3.5 (88.9)	2-7/8 EUE Box (73.0 EUE Box)	3.5 (-88.9)	3-1/2 NUE Pin (88.9 NUE Pin)	4.18 (106.2)	1.89 (47.9)	7/8 (22.2) API Pin	2-3/8 EUE (60.3 EUE)	2-7/8 EUE (73.0 EUE)	3-1/2 EUE (88.9 EUE)	1.32 (852)
				1600	5200	6.10	240	278	7.06											
	20	20	126 B	800	2600	4.06	160	198	5.03	3.5 (88.9)	2-7/8 EUE Box (73.0 EUE Box)	3.5 (88.9)	3-1/2 NUE Pin (88.9 NUE Pin)	4.18 (106.2)	1.89 (47.9)	7/8 (22.2) API Pin	2-3/8 EUE (60.3 EUE)	2-7/8 EUE (73.0 EUE)	3-1/2 EUE (88.9 EUE)	1.32 (852)
				1000	3300	5.08	200	238	6.05											
				1200	3900	6.10	240	278	7.06											
	30 *	30	189 B	800	2600	5.28	208	246	6.25	3.5 (88.9)	2-7/8 EUE Box (73.0 EUE Box)	3.5 (88.9)	3-1/2 NUE Pin (88.9 NUE Pin)	4.18 (106.2)	1.89 (47.9)	7/8 (22.2) API Pin	2-3/8 EUE (60.3 EUE)	2-7/8 EUE (73.0 EUE)	3-1/2 EUE (88.9 EUE)	1.32 (852)
				1000	3300	6.60	260	298	7.57											
				1200	3900	7.92	312	350	8.89											
41 *	41	258 B	800	2600	6.60	260	298	7.57	3.5 (88.9)	2-7/8 EUE Box (73.0 EUE Box)	3.5 (88.9)	3-1/2 NUE Pin (88.9 NUE Pin)	4.18 (106.2)	1.89 (47.9)	7/8 (22.2) API Pin	2-3/8 EUE (60.3 EUE)	2-7/8 EUE (73.0 EUE)	3-1/2 EUE (88.9 EUE)	1.32 (852)	
			1000	3300	8.26	325	363	9.22												
			1200	3900	9.91	390	428	10.87												
3-3/4 Series	8 CH	8	50 B	1200	3900	2.90</														

PIVOTAL™ PROGRESSING CAVITY PUMP MODELS

Series Name	Model Name	Nominal Capacity (units/day/100rpm)		PivotAL Lift (x2)		PivotAL Stator Length		Rotor Overall Length (for P)		Stator Tube OD	Standard Stator Configuration		Optional Stator Configuration		Rotor Drift Diameter	Standard Rotor Connection	Min Tubing Size for Rotor Drift	Min Tubing Size for Rotor Orbit	Min Tubing Size for 3/4 (19.1) Coil	Cavity Inflow CSA
		m ³	bbls	m	ft	m	in	m	in	in (mm)	Size in (mm)	OD in (mm)	Size in (mm)	OD in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in ² (mm ²)
3-3/4 Series (cont.)	43*	43	270 B	800	2600	5.79	228	6.76	266	3.75 (95.3)	3-1/2 EUE Pin (88.9 EUE Pin)	4.18 (106.2)	2-7/8 EUE WEX (73.0 EUE WEX)	3.75 (95.3)	2.1 (53.3)	1 (25.4) API Pin	2-7/8 EUE (73.0 EUE)	3-1/2 EUE (88.9 EUE)	3-1/2 EUE (88.9 EUE)	1.61 (1039)
				1000	3300	7.24	285	8.20	323											
				1200	3900	8.69	342	9.65	380											
				1600	5200	11.58	456	12.55	494											
	54*	54	340 B	800	2600	6.50	256	7.47	294	3.75 (95.3)	3-1/2 EUE Pin (88.9 EUE Pin)	4.18 (106.2)	2-7/8 EUE WEX (73.0 EUE WEX)	3.75 (95.3)	2.1 (53.3)	1 (25.4) API Pin	2-7/8 EUE (73.0 EUE)	3-1/2 EUE (88.9 EUE)	3-1/2 EUE (88.9 EUE)	1.71 (1103)
				1000	3300	8.13	320	9.09	358											
				1200	3900	9.75	384	10.72	422											
4-1/8 Series	23 CH	23	145 B	1000	3300	4.06	160	5.03	198	4.13 (104.8)	3-1/2 EUE Box (88.9 EUE Box)	4.13 (104.8)	4 NUE Pin (101.6 NUE Pin)	4.75 (120.7)	2.27 (57.5)	1 (25.4) API Pin	2-7/8 EUE (73.0 EUE)	3-1/2 EUE (88.9 EUE)	3-1/2 (88.9) EUE Special Coil Joint	2.08 (1342)
				1200	3900	4.88	192	5.84	230											
				1600	5200	6.50	256	7.47	294											
	31	31	195 B	1000	3300	5.08	200	6.05	238	4.13 (104.8)	3-1/2 EUE Box (88.9 EUE Box)	4.13 (-104.8)	4 NUE Pin (101.6 NUE Pin)	4.75 (120.7)	2.21 (56)	1 (25.4) API Pin	2-7/8 EUE (73.0 EUE)	3-1/2 EUE (88.9 EUE)	3-1/2 (88.9) EUE Special Coil Joint	2.1 (1355)
				1200	3900	6.10	240	7.06	278											
				1600	5200	8.10	319	9.07	357											
	42*	42	264 B	1000	3300	6.05	238	7.01	276	4.13 (104.8)	3-1/2 EUE Box (88.9 EUE Box)	4.13 (104.8)	4 NUE Pin (101.6 NUE Pin)	4.75 (120.7)	2.26 (57.4)	1 (25.4) API Pin	2-7/8 EUE (73.0 EUE)	3-1/2 EUE (88.9 EUE)	3-1/2 (88.9) EUE Special Coil Joint	2.09 (1348)
				1200	3900	7.24	285	8.20	323											
				1600	5200	9.68	381	10.64	419											
	50*	50	315 B	1000	3300	6.99	275	7.95	313	4.13 (104.8)	3-1/2 EUE Box (88.9 EUE Box)	4.13 (104.8)	4 NUE Pin (101.6 NUE Pin)	4.75 (120.7)	2.26 (57.4)	1 (25.4) API Pin	2-7/8 EUE (73.0 EUE)	3-1/2 EUE (88.9 EUE)	3-1/2 (88.9) EUE Special Coil Joint	2.09 (1348)
				1200	3900	8.38	330	9.35	368											
				1600	5200	11.18	440	12.14	478											
	61*	61	384 B	1000	3300	8.08	318	9.04	356	4.13 (104.8)	3-1/2 EUE Box (88.9 EUE Box)	4.13 (104.8)	4 NUE Pin (101.6 NUE Pin)	4.75 (120.7)	2.26 (57.4)	1 (25.4) API Pin	2-7/8 EUE (73.0 EUE)	3-1/2 EUE (88.9 EUE)	3-1/2 (88.9) EUE Special Coil Joint	2.09 (1348)
				1200	3900	9.68	381	10.64	419											
				1600	5200	12.90	508	13.87	546											
4-3/4 Series	35 CH	35	220 B	1000	3300	4.17	164	5.13	202	4.75 (120.7)	4-1/2 EUE Pin (114.3 EUE Pin)	5.56 (141.2)	3-1/2 EUE WEX (88.9 EUE WEX)	4.75 (120.7)	2.71 (68.8)	1 (25.4) API Pin	3-1/2 EUE (88.9 EUE)	4-1/2 EUE (114.3 EUE)	4-1/2 EUE (114.3 EUE)	2.81 (1813)
				1200	3900	4.98	196	5.94	234											
				1600	5200	6.65	262	7.62	300											
	47	47	296 B	1000	3300	4.98	196	5.94	234	4.75 (120.7)	4-1/2 EUE Pin (114.3 EUE Pin)	5.56 (141.2)	3-1/2 EUE WEX (88.9 EUE WEX)	4.75 (120.7)	2.78 (70.6)	1 (25.4) API Pin	3-1/2 EUE (88.9 EUE)	4-1/2 EUE (114.3 EUE)	4-1/2 EUE (114.3 EUE)	3.12 (2013)
				1200	3900	5.97	235	6.93	273											
				1600	5200	7.95	313	8.92	351											
	88*	88	554 B	1000	3300	8.33	328	9.30	366	4.75 (120.7)	4-1/2 EUE Pin (114.3 EUE Pin)	5.56 (141.2)	3-1/2 EUE WEX (88.9 EUE WEX)	4.75 (120.7)	2.82 (71.5)	1-1/8 (28.6) API Pin	3-1/2 EUE (88.9 EUE)	4-1/2 EUE (114.3 EUE)	4-1/2 EUE (114.3 EUE)	3.27 (2110)
				1200	3900	9.98	393	10.95	431											
				1600	5200	13.31	524	14.27	562											

*Models have been engineered. Manufacturing involves extended lead times to meet inventory demand.

PIVOTAL™ PROGRESSING CAVITY PUMP

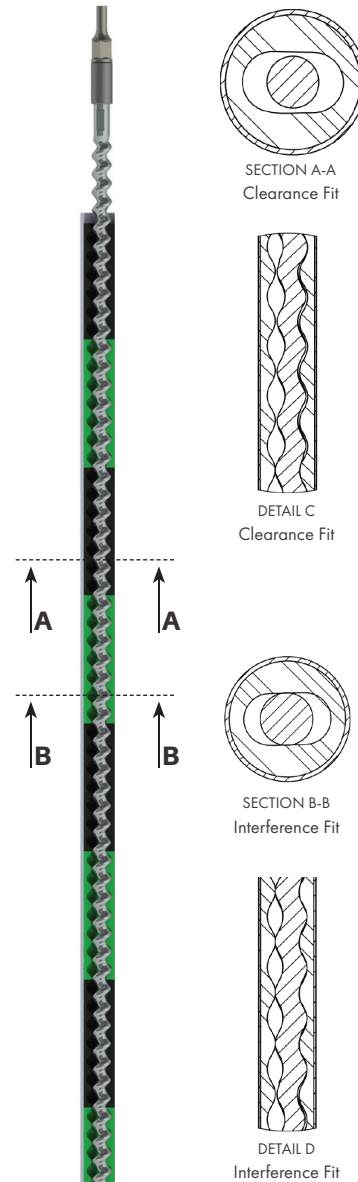
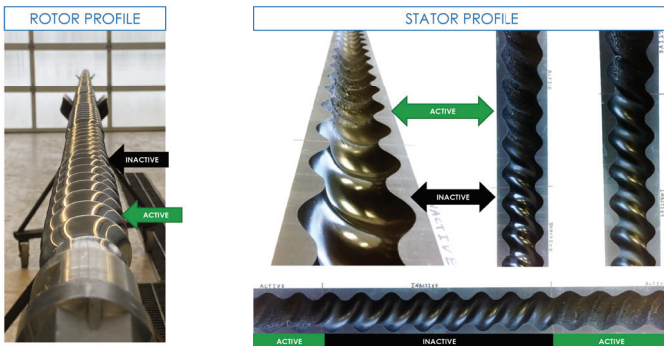
EXTEND PROGRESSING CAVITY PUMP RUN LIFE

Significantly extend Progressing Cavity Pump (PCP) run life between costly replacements with the Lifting Solutions PivotAL™* PCP rotor. Different from a conventional rotor, the PivotAL™ rotor has several, alternating 12-in. long sections of interference and clearance fits. During operation, the clearance sections do not create a seal with or contact the stator elastomer. As a result, conditions that normally produce burnt, chunked, fluid washed, or worn stator failure modes, do not occur in the clearance stator sections.

When the active pumping sections of the PivotAL™ PCP start to wear, the pump can be quickly restored by lifting the rotor up 12 inches above its original installed position using a flushby or Endless Rod® Unit (ERU). This rotor adjustment moves the active sections of the rotor out of the worn sections of the stator and into the intact sections; the clearance fit sections of the rotor are moved into the damaged sections of the stator.

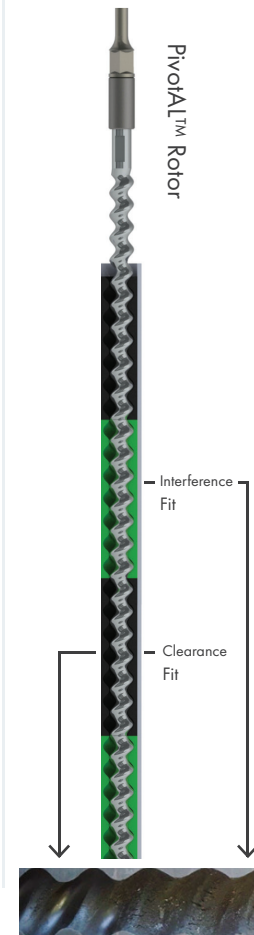
FEATURES AND BENEFITS

- A rigless rotor lift allows the operator to restart production quickly, extending run time between pump replacements and tubing pulls.
- Reseal the pump as wear occurs with a rod lift, limiting the acceleration of fluid washing and extending the life of the pump.
- In cases where a rotor adjustment is not feasible, a low-cost rotor replacement can be performed to restore pump efficiency.
- A successful rotor lift will restore operating efficiency of the pump and result in significant savings for the operator by extending life.

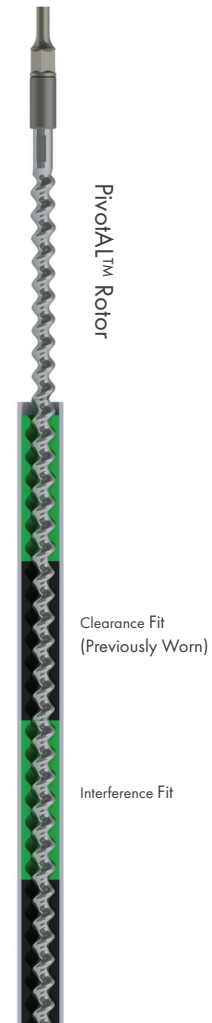


PIVOTAL™ POSITIONS

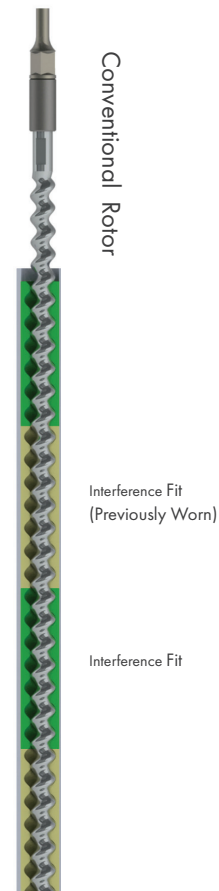
INITIAL POSITION



ROD LIFT POSITION



ROTOR REPLACEMENT POSITION



*Patent No.: US 11,499,549 B2. Canadian patent pending.

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