



Type BM Bottom Hole Pump

Maximum production range for tubing size is provided through increased plunger and piston diameters made possible by flowing fluids outside the pump through ports in the bottom hole assembly. Double acting free pump design with multiple external seals to maximize flow, and power to lift from greater depths. Available in double pump ends to further increase production range.

PUMP SIZE Nominal BM -Pump x Pump (Inches)	Part Number	DISPLACEMENT					Max. Fluid Lift (ft)	Approx. Pump Length (in)	Approx. Pump Weight (lb)
		Pump End At Rated Speed (BPD)	BPD per SPM		Area Ratio				
			Engine	Pump	P/E	E/P			
Fits in 2 3/8" OD Tubing or larger									
2 BM - 1 3/16	4B-50-22-0	381	4.54	3.15	.700	1.429	14,000	97	60
2 BM - 1 3/8	4B-90-22-0	544	4.54	4.50	1.000	1.000	10,000	97	60
2 BM - 1 3/16 x 1 3/16	4B-55-22-0	750	4.54	6.21	1.380	.725	7,200	129	77
2 BM - 1 3/8 x 1 3/16	4B-95-22-0	914	4.54	7.55	1.680	.595	5,900	129	77
2 BM - 1 3/8 x 1 3/8	4B-99-22-0	1076	4.54	8.90	1.980	.505	5,000	129	77
Fits in 2 7/8" OD Tubing or larger									
2 1/2 BM - 1 1/2	5B-60-22-0	744	10.96	7.44	.685	1.460	14,600	125	100
2 1/2 BM - 1 3/4	5B-90-22-0	1086	10.96	10.86	1.000	1.000	10,000	125	100
2 1/2 BM - 1 1/2 x 1 1/2	5B-66-22-0	1452	10.96	14.52	1.336	.749	7,500	185	135
2 1/2 BM - 1 3/4 x 1 1/2	5B-96-22-0	1794	10.96	17.94	1.652	.605	6,000	185	135
2 1/2 BM - 1 3/4 x 1 3/4	5B-99-22-0	2136	10.96	21.36	1.957	.519	5,200	185	135
Fits in 3 1/2" OD Tubing or larger									
3 BM - 1 7/8	6B-60-22-0	1388	21.75	15.96	.740	1.351	13,500	158	186
3 BM - 2 1/8	6B-90-22-0	1875	21.75	21.55	1.000	1.000	10,000	158	186
3 BM - 1 7/8 x 1 7/8	6B-66-22-0	2727	21.75	31.34	1.454	.688	6,900	210	260
3 BM - 2 1/8 x 1 7/8	6B-96-22-0	3214	21.75	36.94	1.714	.583	5,800	210	260
3 BM - 2 1/8 x 2 1/8	6B-99-22-0	3700	21.75	42.53	1.974	.507	5,100	210	260

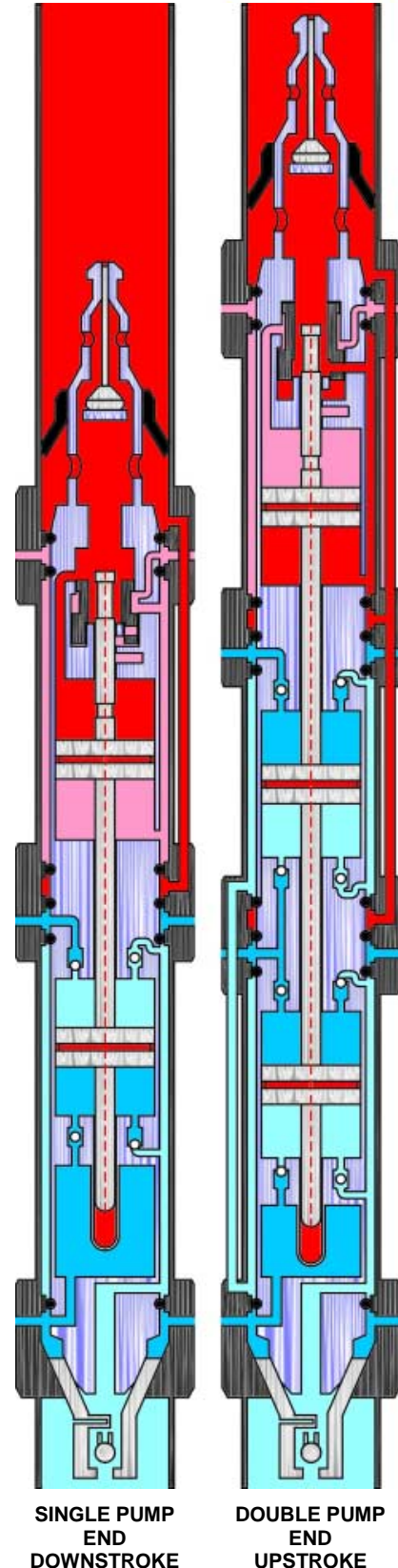
NOTE:

Last 3 digits of part number are: 21-0 OPF (Open Power Fluid); 22-0 for CPF (Closed Power Fluid) Production Unseat; and 23-0 for Closed Power Fluid PRU (Power Return Unseat).

PUMP STROKE LENGTH: For 2" pump, 12"; for 2 1/2" pump, 18"; for 3" pump, 24".

MAXIMUM PUMP OD: For 2" pump, 1.889"; for 2 1/2" pump, 2.326"; for 3" pump, 2.826".

MAXIMUM RATED SPEED: For 2" pump, 121 SPM; for 2 1/2" pump, 100 SPM; for 3" pump, 87 SPM.



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