


## Pump Selection Guide - English Units

INPUT VALUES					PUMP DISP.	30.0 GPH INPUT			PUMP(S) SELECTED <i>(NOTE 3)</i>	REQUIRED RPM FOR FLOW <i>(NOTE 1)</i>	TORQUE oz-in	MAGNETIC COUPLING SIZE	PERCENT DECOUPLE TORQUE <i>(NOTE 2)</i>	BHP	WATTS
	30 GPH Desired Flow					ACTUAL FLOW at INPUT SPEED									
30 GPH	Flow Unit: GPH,GPM, or ml/min				ml/min	GPH	GPM								
	Ambient Pressure, PSIA				.11	225	3.6			---	2.05	B,G	6.8%	0.007	5.3
	Inlet Pressure,PSIA				.19	491	7.8	0.1		---	3.54	B,G	11.8%	0.012	9.2
60	60.00 Differential Pressure, PSI				.23	614	9.7	0.2		---	4.29	B,G	14.3%	0.015	11.1
	Discharge Pressure, PSI				.38	1,046	16.6	0.3		---	7.08	B,G	23.6%	0.025	18.3
	Head in Feet				.38	777	12.3	0.2		---	8.85	B,G	29.4%	0.031	22.9
	1.00 Specific Gravity				.57	1,581	25.1	0.4		4053	10.62	B,G	35.3%	0.037	27.5
1	1 Viscosity, Centipoise				.57	1,320	20.9	0.3		---	13.28	B,G	44.2%	0.046	34.4
3500	3500 Speed, RPM				.68	1,910	30.3	0.5	<<-----	3474	12.67	B,G	42.1%	0.044	32.8
	70 Fluid Temperature, °F				.68	1,642	26.0	0.4		3868	15.84	B,G	52.7%	0.055	41.0
					.80	2,271	36.0	0.6		3019	14.91	B,G	49.6%	0.052	38.6
					.99	2,847	45.1	0.8		2516	18.45	G	28.3%	0.064	47.8
					1.2	3,488	55.3	0.9		2139	22.36	G	34.3%	0.078	57.9
					1.2	3,206	50.8	0.8	<<-----	2403	27.95	G	42.9%	0.097	72.4
					1.3	3,795	60	1.0		2000	24.22	G	37.2%	0.084	62.7
					1.6	4,718	75	1.2		1682	29.81	G	45.8%	0.104	77.2
					2.0	5,928	94	1.6		1443	37.27	G	57.2%	0.129	96.5
					2.3	6,710	106	1.8		1324	42.86	G	65.8%	0.149	111.0
					2.6	8,072	128.0	2.1		1145	48.4	X	20.1%	0.17	125
SERIES:	P	D & W	T & W		5.3	16,466	261.0	4.4		774	98.8	X	41.1%	0.34	256
NOTES:															
1.	" - - - " Required RPM Outside Pump Limit														
2.	"Decouple" at or above 90% Torque														
3.	No pump will be selected if the Input Conditions are outside the Product Limits.														

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