



Chemical Metering Pumps  
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**TABLE 1.3: APPROXIMATE QUARTS PER DAY AT THE VARIOUS RUN TIMES AND CYCLES/MINUTE USING A SIMPLEX PUMP (MULTIPLY X 2 FOR DUPLEX OPERATION)**

1/2" PLUNGER - SIMPLEX PUMP (MULTIPLY X 2 FOR DUPLEX OPERATION)	SHADED AREAS ARE OUTSIDE SIDEWINDER RECOMMENDED OPERATIONAL RANGE (CALL FACTORY)	RUN TIME (SEC)	"CYC" (NUMBER OF CYCLES / MINUTE) NOTE: SIDEWINDER RECOMMENDS THE MAXIMUM FLOW RATE & RUN TIME BE NO MORE THAN 40% OF MAXIMUM CAPACITY																													
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
			0.5	2.4	4.9	7.3	9.8	12.2	14.7	17.1	19.5	22.0	24.4	26.9	29.3	31.8	34.2	36.7	39.1	41.5	44.0	46.4	48.9	51.3	53.8	56.2	58.6	61.1	63.5	66.0	68.4	70.9
1.0	4.9	9.8	14.7	19.5	24.4	29.3	34.2	39.1	44.0	48.9	53.8	58.6	63.5	68.4	73.3	78.2	83.1	88.0	92.9	97.7	102.6	107.5	112.4	117.3	122.2	127.1	132.0	136.8	141.7	146.6		
1.5	7.3	14.7	22.0	29.3	36.7	44.0	51.3	58.6	66.0	73.3	80.6	88.0	95.3	102.6	110.0	117.3	124.6	132.0	139.3	146.6	153.9	161.3	168.6	175.9	183.3	190.6	197.9	205.3	212.6	219.9		
2.0	9.8	19.5	29.3	39.1	48.9	58.6	68.4	78.2	88.0	97.7	107.5	117.3	127.1	136.8	146.6	156.4	166.2	175.9	185.7	195.5	205.3	215.0	224.8	234.6	244.4	254.1	263.9	273.7	283.5	293.2		
2.5	12.2	24.4	36.7	48.9	61.1	73.3	85.5	97.7	110.0	122.2	134.4	146.6	158.8	171.1	183.3	195.5	207.7	219.9	232.1	244.4	256.6	268.8	281.0	293.2	N/A	N/A	N/A	N/A	N/A	N/A		
3.0	14.7	29.3	44.0	58.6	73.3	88.0	102.6	117.3	132.0	146.6	161.3	175.9	190.6	205.3	219.9	234.6	249.3	263.9	278.6	293.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
3.5	17.1	34.2	51.3	68.4	85.5	102.6	119.7	136.8	153.9	171.1	188.2	205.3	222.4	239.5	256.6	273.7	290.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4.0	19.5	39.1	58.6	78.2	97.7	117.3	136.8	156.4	175.9	195.5	215.0	234.6	254.1	273.7	293.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4.5	22.0	44.0	66.0	88.0	110.0	132.0	153.9	175.9	197.9	219.9	241.9	263.9	285.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5.0	24.4	48.9	73.3	97.7	122.2	146.6	171.1	195.5	219.9	244.4	268.8	293.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5.5	26.9	53.8	80.6	107.5	134.4	161.3	188.2	215.0	241.9	268.8	295.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
6.0	29.3	58.6	88.0	117.3	146.6	175.9	205.3	234.6	263.9	293.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
6.5	31.8	63.5	95.3	127.1	158.8	190.6	222.4	254.1	285.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
7.0	34.2	68.4	102.6	136.8	171.1	205.3	239.5	273.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
7.5	36.7	73.3	110.0	146.6	183.3	219.9	256.6	293.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
8.0	39.1	78.2	117.3	156.4	195.5	234.6	273.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
8.5	41.5	83.1	124.6	166.2	207.7	249.3	290.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
9.0	44.0	88.0	132.0	175.9	219.9	263.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
9.5	46.4	92.9	139.3	185.7	232.1	278.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10.0	48.9	97.7	146.6	195.5	244.4	293.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		CYC (NUMBER OF CYCLES / MINUTE)																														
		31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
		0.5	75.8	78.2	80.6	83.1	85.5	88.0	90.4	92.9	95.3	97.7	100.2	102.6	105.1	107.5	110.0	112.4	114.9	117.3	119.7	122.2	124.6	127.1	129.5	132.0	134.4	136.8	139.3	141.7	144.2	146.6
		1.0	151.5	156.4	161.3	166.2	171.1	175.9	180.8	185.7	190.6	195.5	200.4	205.3	210.2	215.0	219.9	224.8	229.7	234.6	239.5	244.4	249.3	254.1	259.0	263.9	268.8	273.7	278.6	283.5	288.3	293.2
		1.5	227.3	234.6	241.9	249.3	256.6	263.9	271.2	278.6	285.9	293.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		2.0	CONTINUED FROM ABOVE .... "CYC" VALUES 31 AND GREATER ARE NOT AVAILABLE WITH RUN TIMES 2.0 SECONDS AND GREATER																													
<b>MAXIMUM PRESSURE - LP = 500 PSI, HP = 1250PSI</b>																																