

REGULATOR WITH ORIFICE PLATE NO.	PRESSURE IN P.S.I.	CAPACITY IN G.P.M.	GALLONS PER ACRE										REGULATOR WITH ORIFICE PLATE NO.	PRESSURE IN P.S.I.	CAPACITY IN G.P.M.	GALLONS PER ACRE																													
			BASED ON 20" SPACING AND ON SOLUTION WEIGHING 10 LBS. PER GAL. (FOR CONVERSION FACTORS SEE SH. 13)													BASED ON 20" SPACING AND ON SOLUTION WEIGHING 10 LBS. PER GAL. (FOR CONVERSION FACTORS SEE SH. 13)																													
			2	2 1/2	3	3 1/2	4	5	6	8	10					2	2 1/2	3	3 1/2	4	5	6	8	10																					
M.P.H.											M.P.H.																																		
4916 - 18 (ORIFICE DIA. -.018")													2	.0085	1.3	1.0	.85	.72	.68	.51	.42	.32	.25	2	.015	2.2	1.8	1.5	1.3	1.1	.9	.75	.54	.45	2	.018	2.7	2.2	1.8	1.6	1.4	1.1	.91	.68	.55
													4	.012	1.8	1.4	1.2	1.0	.9	.72	.6	.45	.36	4	.021	3.2	2.5	2.1	1.8	1.6	1.3	1.1	.79	.63	4	.024	3.3	2.6	2.2	1.9	1.7	1.4	1.1	.84	.67
													6	.015	2.2	1.8	1.5	1.3	1.1	.88	.73	.55	.44	6	.026	3.9	3.1	2.6	2.2	1.9	1.6	1.3	.97	.78	6	.028	4.1	3.2	2.7	2.4	2.1	1.7	1.4	1.1	.85
													8	.017	2.5	2.0	1.7	1.4	1.2	1.0	.85	.63	.51	8	.030	4.5	3.6	3.0	2.6	2.2	1.8	1.5	1.1	.9	8	.032	4.8	3.8	3.2	2.7	2.4	1.9	1.6	1.2	.95
													10	.019	2.8	2.3	1.9	1.6	1.4	1.1	.85	.63	.51	10	.034	5.0	4.0	3.3	2.9	2.5	2.0	1.7	1.3	1.0	10	.037	5.5	4.4	3.7	3.1	2.7	2.2	1.8	1.4	1.1
													12	.021	3.1	2.5	2.1	1.8	1.6	1.2	1.0	.78	.62	12	.037	5.5	4.4	3.7	3.1	2.7	2.2	1.8	1.4	1.1	12	.045	6.7	5.4	4.5	3.8	3.4	2.7	2.2	1.7	1.3
													14	.023	3.4	2.7	2.2	1.9	1.7	1.3	1.1	.84	.67	14	.040	5.9	4.7	4.0	3.4	3.0	2.4	2.0	1.5	1.2	14	.049	7.3	5.8	4.8	4.2	3.6	2.9	2.4	1.8	1.5
													16	.024	3.6	2.9	2.4	2.1	1.8	1.4	1.2	.9	.72	16	.043	6.3	5.1	4.2	3.6	3.2	2.5	2.1	1.6	1.26	16	.052	7.8	6.2	5.2	4.4	3.9	3.1	2.6	1.9	1.55
													18	.026	3.8	3.0	2.5	2.2	1.9	1.5	1.3	.95	.76	18	.045	6.7	5.4	4.5	3.8	3.4	2.7	2.2	1.7	1.34	18	.056	8.2	6.6	5.5	4.7	4.1	3.3	2.7	2.1	1.64
													20	.027	4.0	3.2	2.7	2.3	2.0	1.6	1.4	1.0	.81	20	.048	7.1	5.7	4.7	4.0	3.5	2.8	2.4	1.8	1.4	20	.058	8.7	6.9	5.8	5.0	4.3	3.5	2.9	2.2	1.7
25	.030	4.5	3.6	3.0	2.6	2.2	1.8	1.5	1.1	.90	25	.053	7.9	6.3	5.3	4.5	4.0	3.2	2.6	2.0	1.6	25	.065	9.7	7.8	6.5	5.6	4.9	3.9	3.2	2.4	1.9													
30	.033	4.9	3.9	3.3	2.8	2.5	2.0	1.6	1.2	.98	30	.058	8.7	6.9	5.8	5.0	4.3	3.5	2.9	2.2	1.7	30	.072	10.6	8.5	7.1	6.1	5.3	4.3	3.5	2.7	2.1													
40	.038	5.7	4.5	3.8	3.2	2.8	2.3	1.9	1.4	1.1	40	.067	10.0	8.0	6.7	5.7	5.0	4.0	3.3	2.5	2.0	40	.083	12.3	9.8	8.2	7.0	6.1	4.9	4.1	3.1	2.5													
50	.043	6.3	5.1	4.2	3.6	3.2	2.5	2.1	1.6	1.3	50	.075	11.2	9.0	7.5	6.4	5.6	4.5	3.7	2.8	2.2	50	.09	13.7	11	9.2	7.8	6.9	5.5	4.6	3.4	2.7													
60	.047	7.0	5.6	4.6	4.0	3.5	2.8	2.3	1.7	1.4	60	.083	12.3	9.8	8.2	7.0	6.1	4.9	4.1	3.1	2.5	60	.101	15.1	12	10	8.6	7.5	6.0	5.0	3.8	3.0													
4916 - 20 (ORIFICE DIA. -.020")													2	.011	1.6	1.3	1.0	.9	.79	.63	.52	.39	.31	2	.016	2.4	1.9	1.6	1.4	1.2	.96	.80	.6	.48	2	.020	3.0	2.4	2.0	1.7	1.5	1.2	.99	.74	.59
													4	.015	2.2	1.8	1.5	1.3	1.1	.89	.74	.56	.45	4	.023	3.4	2.7	2.3	1.9	1.7	1.4	1.1	.85	.68	4	.028	4.2	3.4	2.8	2.4	2.1	1.7	1.4	1.1	.84
													6	.018	2.7	2.2	1.8	1.6	1.4	1.1	.91	.68	.55	6	.028	4.2	3.3	2.8	2.4	2.1	1.7	1.4	1.0	.83	6	.035	5.1	4.1	3.4	2.9	2.6	2.1	1.7	1.3	1.0
													8	.021	3.1	2.5	2.1	1.8	1.6	1.3	1.0	.79	.63	8	.032	4.8	3.8	3.2	2.7	2.4	1.9	1.6	1.2	.96	8	.040	5.9	4.8	4.0	3.4	3.0	2.4	2.0	1.5	1.2
													10	.024	3.5	2.8	2.3	2.0	1.8	1.4	1.2	.88	.71	10	.036	5.4	4.3	3.6	3.1	2.7	2.1	1.8	1.3	1.1	10	.045	6.6	5.3	4.4	3.8	3.3	2.7	2.2	1.7	1.3
													12	.026	3.9	3.1	2.6	2.2	1.9	1.5	1.3	.94	.77	12	.040	5.9	4.7	3.9	3.4	2.9	2.3	2.0	1.5	1.2	12	.049	7.3	5.8	4.8	4.2	3.6	2.9	2.4	1.8	1.5
													14	.028	4.2	3.3	2.8	2.4	2.1	1.7	1.4	1.0	.89	14	.043	6.3	5.1	4.2	3.6	3.2	2.5	2.1	1.6	1.3	14	.053	7.9	6.3	5.2	4.5	3.9	3.1	2.6	2.0	1.6
													16	.030	4.5	3.6	3.0	2.5	2.2	1.8	1.5	1.1	.89	16	.046	6.8	5.4	4.5	3.9	3.4	2.7	2.3	1.7	1.4	16	.057	8.4	6.7	5.6	4.8	4.2	3.4	2.8	2.1	1.7
													18	.032	4.7	3.8	3.1	2.7	2.4	1.9	1.6	1.18	.94	18	.048	7.2	5.8	4.8	4.1	3.6	2.9	2.4	1.8	1.44	18	.060	8.9	7.1	5.9	5.1	4.5	3.6	3.0	2.2	1.8
													20	.034	5.0	4.0	3.3	2.8	2.5	2.0	1.7	1.24	.99	20	.051	7.6	6.1	5.1	4.3	3.8	3.0	2.5	1.9	1.5	20	.063	9.4	7.5	6.3	5.4	4.7	3.8	3.1	2.3	1.9
25	.037	5.6	4.5	3.7	3.2	2.8	2.2	1.9	1.4	1.1	25	.057	8.5	6.8	5.7	4.9	4.2	3.4	2.8	2.1	1.7	25	.071	10.5	8.4	7.0	6.0	5.3	4.2	3.5	2.6	2.1													
30	.041	6.1	4.9	4.1	3.5	3.1	2.4	2.0	1.5	1.2	30	.063	9.3	7.4	6.2	5.3	4.7	3.7	3.1	2.3	1.9	30	.077	11.5	9.2	7.7	6.6	5.7	4.6	3.8	2.9	2.3													
40	.047	7.0	5.6	4.7	4.0	3.5	2.8	2.3	1.8	1.4	40	.072	10.7	8.6	7.2	6.1	5.4	4.3	3.6	2.7	2.1	40	.089	13.3	10.6	8.9	7.6	6.6	5.3	4.4	3.3	2.7													
50	.053	7.9	6.3	5.2	4.5	3.9	3.1	2.6	2.0	1.6	50	.081	12	9.6	8.0	6.9	6.0	4.8	4.0	3.0	2.4	50	.10	14.8	11.9	9.9	8.5	7.4	5.9	4.9	3.7	3.0													
60	.058	8.6	6.9	5.7	4.9	4.3	3.4	2.9	2.2	1.7	60	.089	13.2	10.5	8.8	7.5	6.6	5.3	4.4	3.3	2.6	60	.11	16.3	13	10.8	9.3	8.1	6.5	5.4	4.1	3.3													
4916 - 22 (ORIFICE DIA. -.022")													2	.013	1.9	1.5	1.2	1.1	.98	.74	.62	.46	.37	2	.017	2.6	2.1	1.7	1.5	1.3	1.0	.86	.65	.52	2	.022	3.3	2.6	2.2	1.9	1.6	1.3	1.1	.81	.65
													4	.018	2.6	2.1	1.8	1.5	1.3	1.1	.88	.66	.53	4	.025	3.7	2.9	2.4	2.1	1.8	1.5	1.2	.92	.73	4	.031	4.6	3.7	3.1	2.6	2.3	1.8	1.5	1.2	.92
													6	.022	3.2	2.6	2.1	1.8	1.6	1.3	1.1	.80	.64	6	.030	4.5	3.6	3.0	2.6	2.2	1.8	1.5	1.1	.90	6	.038	5.6	4.5	3.8	3.2	2.8	2.3	1.9	1.4	1.1
													8	.025	3.7	3.0	2.5	2.2	1.9	1.5	1.2	.92	.74	8	.035	5.2	4.2	3.5	3.0	2.6	2.1	1.7	1.3	1.0	8	.044	6.5	5.2	4.5	3.7	3.3	2.6	2.2	1.6	1.3
													10	.028	4.1	3.3	2.8	2.4	2.1	1.7	1.4	1.0	.83	10	.039	5.8	4.6	3.9	3.3	2.9	2.3	1.9	1.5	1.2	10	.049	7.3	5.8	4.9	4.2	3.6	2.9	2.4	1.8	1.5
													12	.031	4.5	3.6	3.0	2.6	2.3	1.9	1.5	1.1	.91	12	.043	6.4	5.1	4.2	3.6	3.2	2.5	2.1	1.6	1.3	12	.054	8.0	6.4	5.3	4.6	4.0	3.2	2.7	2.0	1.6
													14	.033	4.9	3.9	3.3	2.8	2.5	2.0	1.6	1.2	.98	14	.046	6.9	5.5	4.6	3.9	3.4	2.7	2.3	1.7	1.4	14	.058	8.6	6.9	5.7	4.9	4.3	3.4	2.9	2.2	1.7
													16	.035	5.3	4.2	3.5	3.0	2.6	2.1	1.8	1.3	1.1	16	.049	7.3	5.9	4.9	4.2	3.7	2.9	2.4	1.8	1.5	16	.062	9.2	7.4	6.1	5.3	4.6	3.7	3.1	2.3	1.8
													18	.038	5.6	4.5	3.7	3.2	2.8	2.2	1.9	1.4	1.1	18	.052	7.8	6.2	5.2	4.5	3.9	3.1	2.6	1.9	1.55	18	.066	9.8	7.8	6.5	5.6	4.9	3.9	3.3	2.4	2.0
													20	.040	5.9	4.7	3.9	3.4	2.9	2.3	2.0	1.5	1.2	20	.055	8.2	6.6	5.5	4.7	4.1	3.3	2.7	2.1	1.64	20	.069	10.3	8.2	6.9	5.9	5.1	4.1	3.4	2.6	2.1
25	.044	6.6	5.3	4.4	3.8	3.3	2.6	2.2	1.6	1.3	25	.062	9.2	7.3	6.1	5.2	4.6	3.7	3.1	2.3	1.8	25	.077	11.5	9.2	7.7	6.6	5.7	4.6	3.8	2.9	2.3													
30	.048	7.2	5.7	4.8	4.1	3.6	2.9	2.4	1.8	1.4	30	.068	10.1	8.0	6.7	5.7	5.0	4.0	3.4	2.5	2.0	30	.085	12.6	10.1	8.4	7.2	6.3	5.0	4.2	3.2	2.5													
40	.054	8.3	6.6	5.5	4.7	4.2	3.3	2.8	2.1	1.7	40	.078	11.6	9.3	7.7	6.6	5.8	4.6	3.9	2.9	2.3	40	.098	14.6	11.7	9.7	8.3	7.3	5.9	4.9	3.6	2.9													
50	.062	9.3	7.4	6.2	5.3	4.6	3.7	3.1	2.3	1.9	50	.087	13	10.4	8.7	7.4	6.5	5.2	4.3	3.2	2.6	50	.11	16.3	13.0	10.8	9.3	8.1	6.5	5.4	4.1	3.3													
60	.068																																												