



AMERICAN WATER TREATMENT, INC.

Evaporation = circulation rate x 0.01 assuming 1% evaporation per 10F delta T and 3 gpm per ton

Bleed off = Evaporation / Cycles - 1 cycles limited by skin temperatures, total hardness, total alkalinity and conductivity

Load assumes listed load at an average of 14 hours per day

Load, tons	1.5 Cycles			2 Cycles			3 Cycles			4 Cycles			5 Cycles			6 Cycles		
	Evap	Bleed	Makeup	Evap	Bleed	Makeup	Evap	Bleed	Makeup	Evap	Bleed	Makeup	Evap	Bleed	Makeup	Evap	Bleed	Makeup
100	2520	5040	7560	2520	2520	5040	2520	1260	3780	2520	840	3360	2520	630	3150	2520	504	3024
125	3150	6300	9450	3150	3150	6300	3150	1575	4725	3150	1050	4200	3150	788	3938	3150	630	3780
150	3780	7560	11340	3780	3780	7560	3780	1890	5670	3780	1260	5040	3780	945	4725	3780	756	4536
175	4410	8820	13230	4410	4410	8820	4410	2205	6615	4410	1470	5880	4410	1103	5513	4410	882	5292
200	5040	10080	15120	5040	5040	10080	5040	2520	7560	5040	1680	6720	5040	1260	6300	5040	1008	6048
225	5670	11340	17010	5670	5670	11340	5670	2835	8505	5670	1890	7560	5670	1418	7088	5670	1134	6804
250	6300	12600	18900	6300	6300	12600	6300	3150	9450	6300	2100	8400	6300	1575	7875	6300	1260	7560
275	6930	13860	20790	6930	6930	13860	6930	3465	10395	6930	2310	9240	6930	1733	8663	6930	1386	8316
300	7560	15120	22680	7560	7560	15120	7560	3780	11340	7560	2520	10080	7560	1890	9450	7560	1512	9072
325	8190	16380	24570	8190	8190	16380	8190	4095	12285	8190	2730	10920	8190	2048	10238	8190	1638	9828
350	8820	17640	26460	8820	8820	17640	8820	4410	13230	8820	2940	11760	8820	2205	11025	8820	1764	10584
375	9450	18900	28350	9450	9450	18900	9450	4725	14175	9450	3150	12600	9450	2363	11813	9450	1890	11340
400	10080	20160	30240	10080	10080	20160	10080	5040	15120	10080	3360	13440	10080	2520	12600	10080	2016	12096
425	10710	21420	32130	10710	10710	21420	10710	5355	16065	10710	3570	14280	10710	2678	13388	10710	2142	12852
450	11340	22680	34020	11340	11340	22680	11340	5670	17010	11340	3780	15120	11340	2835	14175	11340	2268	13608
475	11970	23940	35910	11970	11970	23940	11970	5985	17955	11970	3990	15960	11970	2993	14963	11970	2394	14364
500	12600	25200	37800	12600	12600	25200	12600	6300	18900	12600	4200	16800	12600	3150	15750	12600	2520	15120

Differences, per cycles increase

-50.0% -33.3% -50.0% -25.0% -33.3% -11.1% -25.0% -6.3% -20.0% -4.0%

Differences, from 1.5 cycles

-50.0% -33.3% -75.0% -50.0% -83.3% -55.6% -87.5% -58.3% -90.0% -60.0%