

A5.2 WATER METER Standards Table									
Based on Table 6-1 AWWA Manual M-22, 2004 edition									
Meter	Minimum Flow Rate (gpm)	Low Normal Flow Rate (gpm)	Change Over Range (Compound Meters)	High Normal Flow Rate (gpm)	Maximum Flow Rate (gpm)	Headloss at Maximum Flow (psi)	Typical Sizing at 80% of Maximum Flowrate (gpm)	80% Sizing Range (gpm)	Number of 3/4 inch Meter Equivalents
POSITIVE DISPLACEMENT:									
1/2 in.	0.25	1	NA	7.5	15	15	12	0 - 12	0.50
5/8 in.	0.25	1		10	20	15	16	13 - 16	0.67
3/4 in.	0.5	2		15	30	15	24	17 - 24	1.00
1 in.	0.75	3		25	50	15	40	25 - 40	1.67
1-1/2 in.	1.5	5		50	100	15	80	41 - 80	3.33
2 in.	2	8		80	160	15	128	81 - 128	5.33
MULTIJET:									
5/8 in.	0.25	1	NA	10	20	15	16	0 - 16	0.67
3/4 in.	0.5	2		15	30	15	24	17 - 24	1.00
1 in.	0.75	3		25	50	15	40	25 - 40	1.67
1-1/2 in.	1.5	5		50	100	15	80	41 - 80	3.33
2 in.	2	8		80	160	15	128	81 - 128	5.33
TURBINE Class 1:									
3/4 in.	1.5	NA	NA	20	30	15	24	0 - 24	1.00
1 in.	2			35	50	15	40	25 - 40	1.67
1-1/2 in.	3			65	100	15	80	41 - 80	3.33
2 in.	4			100	160	15	128	81 - 128	5.33
3 in.	6			220	350	15	280	129 - 280	11.67
4 in.	8			420	630	15	504	281 - 504	21.00
6 in.	15			865	1,300	15	1,040	505 - 1040	43
TURBINE Class 2:									
1-1/2 in.	4	NA	NA	80	120	7	96	0 - 96	4.00
2 in.	4			100	160	7	128	97 - 128	5.33
3 in.	8			240	350	7	280	129 - 280	11.67
4 in.	15			420	630	7	504	281 - 504	21.00
6 in.	30			920	1,400	7	1,120	505 - 1120	47
8 in.	50			1,600	2,400	7	1,920	1121 - 1920	80
10 in.	75			2,500	3,800	7	3,040	1921 - 3040	127
12 in.	120			3,300	5,000	7	4,000	3041 - 4000	167
14 in.	150			5,200	7,500	7	6,000	4001 - 6000	250
16 in.	200			6,500	10,000	7	8,000	6001 - 8000	333
18 in.	250			8,500	12,500	7	10,000	8001 - 10000	417
20 in.	300			10,000	15,000	7	12,000	10001 - 12000	500
COMPOUND:									
2 in.	0.25	2	20	80	160	20	128	0 - 128	5.33
3 in.	0.5	4	23	160	320	20	256	129 - 256	10.67
4 in.	0.75	6	28	250	500	20	400	257 - 400	16.67
6 in.	1.5	10	32	500	1,000	20	800	401 - 800	33
8 in.	2	16	50	800	1,600	20	1,280	801 - 1280	53
SINGLEJET:									
1-1/2 in.	0.5	1.5	NA	50	100	15	80	0 - 80	3.33
2 in.	0.5	2		80	160	15	128	81 - 128	5.33
3 in.	0.5	2.5		160	320	15	256	129 - 256	10.67
4 in.	0.75	3		250	500	15	400	257 - 400	16.67
6 in.	1.5	4		500	1,000	15	800	401 - 800	33