Water Meter Size	Meter Capacity (gpm)	Capacity Difference	Base Charge by Meter Capacity	Number of Res. Units Served (DESIGN)	Avg Number of Res. Units Served (DESIGN)	Base Charge by Avg Res. Unit Served (DESIGN)
5/8"	15		$3.89	1	1	$3.89
3/4"	25	1.67	$6.48	2 - 3	2.5	$9.73
1"	50	3.33	$12.97	4-13	8.5	$33.07
1.5"	100	6.67	$25.93	14-24	19.0	$73.91
2"	160	10.67	$41.49	25-57	41.0	$159.49
3"	320	21.33	$82.99	58-125	91.5	$355.94
4"	500	33.33	$129.67	126-500	313.0	$1,217.57
6"	3000	200.00	$778.00			$0.00
8"	4000	266.67	$1,037.33			$0.00
10"	5500	366.67	$1,426.33			$0.00
12"	7500	500.00	$1,945.00			$0.00

November 17, 1972

WATER METER SIZING

Type of Service	Meter Size
Single Family Dwelling with maximum demand of 15 GPM	5/8"
Two and three units with maximum total demand of 15 GPM	5/8"
Four through 13 units	1"
14 through 24 units	1½"
25 through 57 units	2"
58 through 125 units	3"
126 through 500 units	4"

NOTE: These meter sizes are for typical domestic demands and are calculated using average service line lengths. Unusually long service lines, large elevation differences, sustained or high demands will require special consideration when sizing the meter.

I have calculated these meter sizes using data available from the AWWA and meter manufacturers. It should be helpful when sizing meters on service requests, checking adequacy of existing meters and investigation of low pressure complaints.

Ronald Powell
Water Engineer

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