

City of Sarasota Utilities Department

Water Demand and Meter Size Determination Form

Based on 2023 Florida Building Code (FBC), Appendix P Residential, Appendix E Commercial

Service Address _____ Building Permit # _____
Occupancy _____ Multi-Unit # _____ Owner's Name _____

<i>Item No.</i>	<i>Residential (Private):</i>	<i>Load Value</i>	<i># of Fixtures</i>	<i>Total Fixture Load</i>
1.	Bathroom group – Flush Tank	3.6		
2.	Bathroom group – Flushometer Valve	8.0		
3.	Bathtub – Faucet	1.4		
4.	Bidet – Faucet	2.0		
5.	Combination Fixture - Faucet	3.0		
6.	Lavatory – Faucet	0.7		
7.	Shower Head – Mixing Valve	1.4		
8.	Water Closet – Flushometer Valve	6.0		
9.	Water Closet – Flush Tank	2.2		
10.	Water Closet - Flushometer Tank	2.0		
11.	Dishwashing Machine – Automatic	1.4		
12.	Kitchen Sink – Faucet	1.4		
13.	Laundry Tray (1-3) – Faucet	1.4		
14.	Washing Machine (8lbs) – Automatic	1.4		
15.	Other:			

	<i>Commercial (Public)</i>	<i>Load Value</i>	<i># of Fixtures</i>	<i>Total Fixture Load</i>
16.	Bathtub – Faucet	4.0		
17.	Lavatory – Faucet	2.0		
18.	Shower Head – Mixing Valve	4.0		
19.	Urinal – 1" Flushometer Valve	10.0		
20.	Urinal – ¾" Flushometer Valve	5.0		
21.	Urinal – Flush Tank	3.0		
22.	Water Closet – Flushometer Valve	10.0		
23.	Water Closet – Flush Tank	5.0		
24.	Water Closet - Flushometer Tank	2.0		
25.	Kitchen Sink – Hotel/Restaurant – Faucet	4.0		
26.	Service Sink – Offices, etc. Faucet	3.0		
27.	Washing Machine (8lbs) – Automatic	3.0		
28.	Washing Machine (15lbs) – Automatic	4.0		
29.	Drinking Fountain – Offices, etc. 3/8" Valve	0.25		
30.	Other:			

Total Fixture Load (Sum of Items 1-30)

Total Water Demand from Fixtures – GPM (2023 FBC Appen P and/or E

Other Water Demands (GPM). For example: Sillcock, Hose Bibb = 5 GPM

Total Domestic Water Demand – GPM (Total Fixture Demand + Other Demands)

Irrigation System Demand (GPM)

Water Meter Size Selection Table – Domestic and/or Irrigation

Meter Size	5/8"	1"	1.5"	2"	3"	4"	6"	8"
Maximum Flow								
Rate (GPM)	20	50	100	160	320	500	1000	1500
Max Fix Load								
Flush Tank	21	128	375	695	1955	3657	8400	12600
Max Fix Load								
Flushometer	7	50	250	625	1955	3657	8400	12600

Domestic Meter Selection _____

Irrigation Meter Selection _____

Please check all site conditions that apply: 1.) Building of 5 or more floors _____ 2.) Irrigation system (potable water) _____

3.) Auxiliary or Reclaimed Water System _____ 4.) Fire Protection System _____

Size of Proposed **Fire Line** (As Applicable)

Print Name _____ Phone _____

Email _____

Signature _____ Date _____