



City of Sarasota Utilities Department

Water Demand and Meter Size Determination Form

Based on 2017 Florida Building Code (FBC), Appendix P Residential, Appendix E Commercial

Service Address: _____ Building Permit #: _____

Type of Bldg. Occupancy: _____ Multi-Unit # _____ Owner's Name (Print): _____

Item No. Residential (Private):	Load Value	# of Fixtures	Total Fixture Load
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 (8 lb) - Automatic	1.4		
12. Kitchen Sink - Faucet	1.4		
13. Laundry Tray (1 to 3) - Faucet	1.4		
14. Washing Machine (8lbs) Automatic	1.4		
15. Other:			
Commercial (Public):	Load Value	# of Fixtures	Total Fixture Load
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 - 3/4" 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 (2017 FBC Appen P or/and E Table AP/E103.3 (3))			
Other Water Demands (GPM). For example: Sillcock, Hose Bibb = 5 GPM			
Total Domestic Water Demand - GPM (Total Fixture Demand Plus Other Demands)			
Irrigation System Demand (GPM)			

Water Meter Size Selection Table - Domestic and/or Irrigation

Meter Size (Inches)	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 - Flash Tank	21	128	375	695	1955	3657	8400	12600
Max. Fix Load - Flashomet.	7	50	250	625	1955	3657	8400	12600

Domestic Meter Size Selection

Irrigation Meter Size Selection

- Place check all site conditions that apply:** 1) Building of five 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:** _____