

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 # _____
 Occupancy _____ Multi-Unit# _____ Owner's Name _____

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	# of Fixtures	Total Fixture
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				
Other Water Demands (GPM). For Ex: 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 (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 - Flush Tank	21	12	37	69	19	36	84	126
Max. Fix Load - Flushomet.	7	50	25	62	19	36	84	126
						Domestic Meter Size Selection		
						Irrigation Meter Size Selection		

Please check all site conditions that apply: 1) Building of five or more floors _____ 2) Irrigation System _____
 3) Auxiliary or Reclaimed Water System _____ 4) Fire Protection System _____

Size of Proposed Fire Line (As Applicable) _____

Name (Print) _____ Phone _____ Email _____

Signature _____ Date _____