

AWWA Operating Characteristics Cold Water Meters - June 2023

Common-Use Meters							
Column 1	Column 2	Column 3	Column 4	Column 1	Column 2	Column 3	Column 4
Domestic Demand Meters (Potable & Reclaimed Source)				Irrigation Meters (Potable & Reclaimed Source)			
Type	Size	†Safe Maximum Operating Capacity (gpm)	Recommended Continuous Max Service Unit Eq.	Type	Size (inches)	†Safe Maximum Operating Capacity (gpm)	Recommended Continuous Max Service Unit Eq.
*Positive Displacement	5/8"	20	1.0	*Positive Displacement	5/8"	20	1.0
*Positive Displacement	3/4"	30	1.5	*Positive Displacement	3/4"	30	1.5
*Positive Displacement	1"	50	2.5	*Positive Displacement	1"	50	2.5
*Positive Displacement	1.5"	100	5.0	***Turbine, Class II	1.5"	120	9.0
*Positive Displacement	2"	160	8.0	***Turbine, Class II	2"	190	16.0
Compound	3"	350	17.5	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>* AWWA C700-15</p> <p> AWWA C702-15</p> <p>*** AWWA C701-15</p> </div> <div style="width: 50%;"> <p>Note: The use of combination meters for fire and domestic, have been discontinued as of May 2023.</p> </div> </div>			
**Compound	4"	600	30.0				
**Compound	6"	1350	67.5				
**Compound	8"	1600	90.0				

Note: Domestic and Irrigation demand which are utilizing AW Centralized Reclaimed will not be subject to the service units displayed above

†Operations at this flow rate should not exceed 10% of usage or 2 hours in a 24-hour period for positive displacement meters; 33% or 8 hours per day for turbine.

†Short-term Deluge max. flow is a water flow that is overwhelming in nature, for a short period of time as in fir fighting activities where all available water flow rate is directed at the target, even if far greater than safe maximum operating capacity (SMOC). The head loss at short-term deluge max. may be significantly higher than the headloss given for the SMOC.

Example

Meter Notice:

Meter 1.5 inches and larger must be purchased and ordered 90 days in advance of installation.

Meter(s) Requirement for Project:

Address: 123 Street Name

Proposed Use: Potable Domestic

Type: See Column 1

Size: See Column 2 **GPM Range:** See Column 3

Service Units: See Column 4

Meter(s) Requirement for Project:

Address: 123 Street Name

Proposed Use: Irrigation (Potable Source)

Type: See Column 1

Size: See Column 2 **GPM Range:** See Column 3

Service Units: See Column 4

Reclaimed Meter(s) Requirement for Project:

Address: 123 Street Name

Proposed Use: Reclaimed Domestic (ex., toilet flushing)

Type: See Column 1

Size: See Column 2 **GPM Range:** See Column 3

Service Units: 0 (See Reclaimed Note)