



Water Meter Selection Criteria for Sizing Potable Water and Landscape Irrigation Systems

Meter Size*	Meter Type ¾" to 2" meters – Sensus PMM 3" to 6" Acteris Flostar	Maximum Continuous Flow <i>gpm</i>	Head Loss <i>psi</i>	Design Service Pressure**, **** <i>psi</i>
3/4 inch***	Sensus PMM	30	14	60
1 inch	Sensus PMM	50	14	60
1 1/2 inch	Sensus PMM	120	14	60
2 inch	Sensus PMM	160	14	60
3 inch	Acteris Flostar	320	14	60
4 inch	Acteris Flostar	500	14	60
6 inch	Acteris Flostar	1000	14	60

* For applications where meters larger than 2 inch are required by design the designer may manifold multiple smaller meters in lieu of one larger meter. If a 3 inch or larger meter is necessary or desired the applicant shall provide Projected Maximum Annual Usage calculations prepared by an Arizona Licensed Professional Engineer to the project plans Examiner. Contact your plans examiner for additional information.

** The designated water service pressure provided by the Town and determined to be appropriate and required for the design of all potable water piping systems. The use of the 2018 IPC, Table E201.1, Pressure Range Over 60 PSI shall be used where systems are not designed per 2018 IPC Appendix E. This is also the recommended service pressure for the design of landscape irrigation systems.

Fire Sprinkler System design must be based on actual flow test data and is site specific; contact Public Works Department for flow test at 480-503-6400; data determined from this flow test shall not be used for potable water system design.

*** Not permitted for use with residential fire sprinkler system, minimum 1 inch meter required.

**** For residential projects designed to the International Residential Code, design the potable water piping system to the 2018 IRC Table AP201.1, Pressure Range Over 60 PSI, and Maximum Development Length 100 feet for all conditions.

Revised 1/2020