

H2O Degree Water Meters

M54120 Battery Powered Water Meter	M54122 Line Powered Water Meter	M54122 Line Powered Water Meter
Flow Rate: 0.25-8 gpm	Flow Rate: 0.25-8 gpm	Flow Rate: 0.25-10.8 gpm
Installation: Horizontal or Vertical	Installation: Horizontal or Vertical	Installation: Horizontal or Vertical
Max Pressure PSI: 145	Max Pressure PSI: 145	Max Pressure PSI: 145
Meter Size: 1/2" x 3/4"	Meter Size: 1/2" x 3/4"	Meter Size: 1"
Meter Length: 2 1/4"-10"	Meter Length: 2 1/4"-10"	Meter Length: 5"-10"
Weight: <8 oz	Weight: <8 oz	Weight: <6 oz
Temp Limit: 150 Degrees F	Temp Limit: 150 Degrees F	Temp Limit: 140 Degrees F
Cost \$ to \$\$\$: \$	Cost \$ to \$\$\$: \$	Cost \$ to \$\$\$: \$
Can be used for water flow measurement at point of use (directly on a water appliance) or point of entry (where water enters a living space at one location.) Utilizes a turbine with a sapphire bearing and North/South positioned magnets across a Hall Cell.	Can be used for water flow measurement at point of entry (where water enters a living space at one location.) Utilizes a turbine with a sapphire bearing and North/South positioned magnets across a Hall Cell.	Can be used for water flow measurement at point of entry (where water enters a living space at one location.) Utilizes a turbine with a sapphire bearing and North/South positioned magnets across a Hall Cell.
Requires H2O PL Series hose assembly	Requires H2O PL Series hose assembly	Requires H2O PL Series hose assembly

Pulse Meters

Turbine Water Meter	
Flow Rate: 2-132 gpm	Installation: Horizontal Only
Max Pressure PSI: 230	Meter Size: 2" - 8"
Meter Length: 7.9" - 13.8"	Weight: 26-112 lbs
Temp Limit: Cold 105 Degrees F	Cost \$ to \$\$\$: \$
Turbine meters are less accurate than displacement and jet meters at low flow rates, but the measuring element does not occupy or severely restrict the entire path of flow. The flow direction is generally straight through the meter, allowing for higher flow rates and less pressure loss than displacement-type meters. They are the meters of choice for large commercial users, fire protection and as master meters for the water distribution system. Strainers are generally required to be installed in front of the meter to protect the measuring element from gravel or other debris that could enter the water distribution system.	
Requires H2O M54130 and PS1001	

Multi-Jet Water Meter	
Flow Rate: .25-20 gpm	Installation: Vertical or Horizontal
Max Pressure PSI: 150	Meter Size: 3/4" - 2"
Meter Length: 11.5" - 21"	Weight: 4 - 14 lbs
Temp Limit: Cold 105 Degrees F	Cost \$ to \$\$\$: \$\$
The speed of flow is converted into volume of flow to determine the usage. There are several types of meters that measure water flow velocity, including jet meters (single-jet and multi-jet), turbine meters, propeller meters and mag meters.	
Requires H2O M54130 and PS1001	

Single-Jet Water Meter	
Flow Rate: 0.25-22 gpm	Installation: Horizontal Only
Max Pressure PSI: 150	Meter Size: 3/4"
Meter Length: 5"	Weight: 1.5 lbs
Temp Limit: Cold 105 Degrees F	Cost \$ to \$\$\$: \$
The speed of the flow is converted into volume of flow to determine the usage. There are several types of meters that measure water flow velocity, including jet meters (single-jet and multi-jet), turbine meters, propeller meters and mag meters. Most velocity-based meters have an adjustment vane for calibrating the meter to the required accuracy.	
Requires H2O M54130 and PS1001	

Positive Displacement Water Meter	
Flow Rate: 0.25-30 gpm	Installation: Vertical or Horizontal
Max Pressure PSI: 150	Meter Size: 5/8" x 3/4" - 2"
Meter Length: 7 1/2" - 17"	Weight: 6 - 35 lbs
Temp Limit: Cold 105 Degrees F	Cost \$ to \$\$\$: \$\$\$
This type of water meter is most often used in residential and small commercial applications. Displacement meters are commonly referred to as Positive Displacement, or "PD" meters. Two common types are oscillating piston meters and nutating disk meters. Either method relies on the water to physically displace the moving measuring element in direct proportion to the amount of water that passes through the meter. The piston or disk moves a magnet that drives the register.	
Requires H2O M54130 and PS1001	

Encoded Water Meters

Positive Displacement Water Meter

Flow Rate: 0.25-30 gpm	Installation: Vertical or Horizontal
Max Pressure PSI: 150	Meter Size: 5/8" x 3/4" - 2"
Meter Length: 7 1/2" - 17"	Weight: 6 - 35 lbs
Temp Limit: Cold 105 Degrees F	Cost \$ to \$\$\$: \$\$\$

This type of water meter is most often used in residential and small commercial applications. Displacement meters are commonly referred to as Positive Displacement, or "PD" meters. Two common types are oscillating piston meters and nutating disk meters. Either method relies on the water to physically displace the moving measuring element in direct proportion to the amount of water that passes through the meter. The piston or disk moves a magnet that drives the register.

Requires H2O M54190 and PS1001

Turbine Water Meter

Flow Rate: 2-132 gpm	Installation: Horizontal Only
Max Pressure PSI: 230	Meter Size: 2" - 8"
Meter Length: 7.9" - 13.8"	Weight: 26-112 lbs
Temp Limit: Cold 105 Degrees F	Cost \$ to \$\$\$: \$\$\$

Turbine meters are less accurate than displacement and jet meters at low flow rates, but the measuring element does not occupy or severely restrict the entire path of flow. The flow direction is generally straight through the meter, allowing for higher flow rates and less pressure loss than displacement-type meters. They are the meters of choice for large commercial users, fire protection and as master meters for the water distribution system. Strainers are generally required to be installed in front of the meter to protect the measuring element from gravel or other debris that could enter the water distribution system.

Requires H2O M54130 and PS1001

Remanent Magnetic Field or Electro-Magnetic Water Meter

Flow Rate: 0.25-25 gpm	Installation: Vertical or Horizontal
Max Pressure PSI: 150	Meter Size: 5/8" x 3/4" - 2"
Meter Length: 7 1/2" - 10 3/4"	Weight: 3.3 lbs
Temp Limit: Cold 105 Degrees F	Cost \$ to \$\$\$: \$\$\$

This type of water meter is most often used in residential and small commercial applications. Often called magnetic water meters. Conductive water moving through the reduced bore flow tube induces a voltage proportional to the rate of flow. The meter then senses the voltage using electrodes located along the flow tube's sides.

Requires H2O M54190 and PS1001

Compound Water Meter

Flow Rate: 1-132 gpm	Installation: Horizontal Only
Max Pressure PSI: 150	Meter Size: 2" - 8"
Meter Length: 15 1/4" - 55 3/8"	Weight: 32-460 lbs
Temp Limit: Cold 105 Degrees F	Cost \$ to \$\$\$: \$\$\$

Turbine meters are less accurate than displacement and jet meters at low flow rates, but the measuring element does not occupy or severely restrict the entire path of flow. The flow direction is generally straight through the meter, allowing for higher flow rates and less pressure loss than displacement-type meters. They are the meters of choice for large commercial users, fire protection and as master meters for the water distribution system. Strainers are generally required to be installed in front of the meter to protect the measuring element from gravel or other debris that could enter the water distribution system.

Requires H2O M54130 and PS1001