



**780.897.5869**  
BURKECALIBRATION.COM

**McCrometer McPropeller  
Flow Meters  
Municipal Water**

Questions? Call us at 780-897-5869 or email [info@burkecalibration.com](mailto:info@burkecalibration.com)



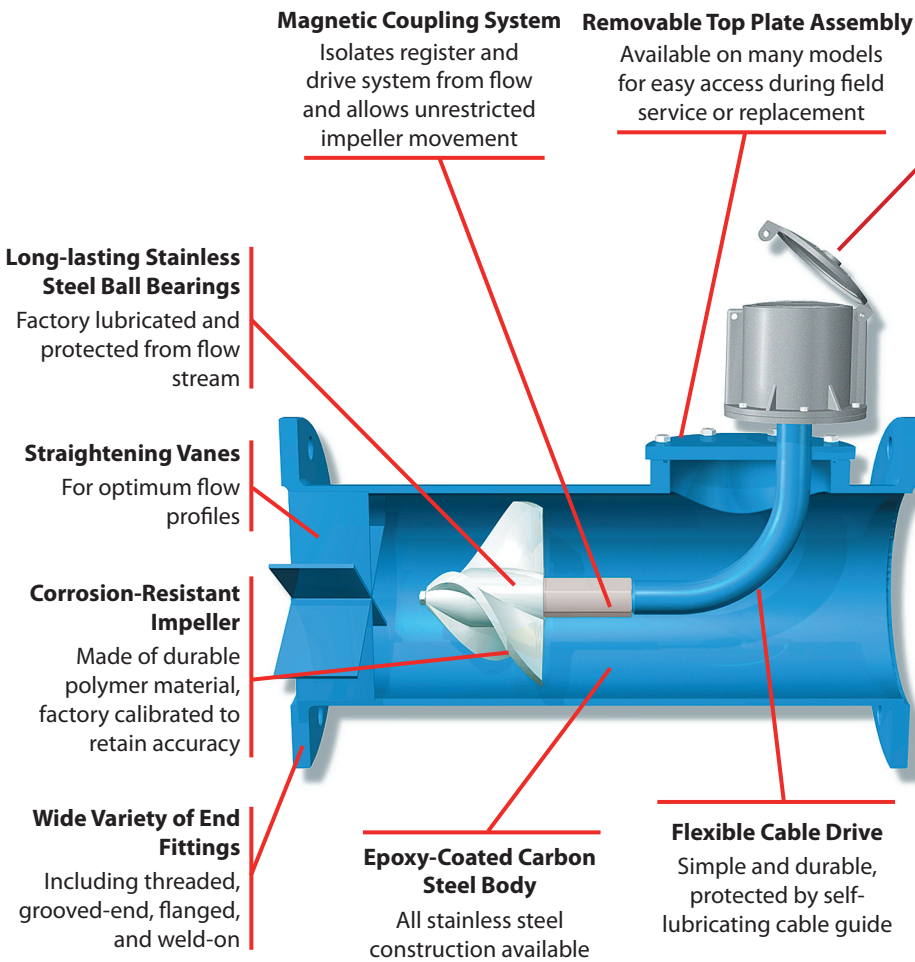
# Mc Propeller Flow Meters

Ideal Flow Measurement for  
Municipal Water, Agriculture, Irrigation



Engineered for Accuracy, Durability, and Economy





## Register Options

### Mechanical Register - Standard

An instantaneous flowrate indicator with optional six-digit or seven-digit straight reading totalizer and standard. The register is hermetically sealed with a die cast aluminum case. This protective housing includes a domed acrylic lens and hinged lens cover with locking clasp.



### Digital Register - Optional



The FlowCom digital register has an expected battery life of 6-10 years and is housed in a NEMA 4X rated, durable enclosure. FlowCom's indicator and totalizer has a non-volatile memory. The five-digit indicator shows flow rate in 22 different units, including GPM, CFS or MGD. The eight-digit totalizer provides volumetric flow data and is available in 20 different units including Gallons, AF or CF. Units of measure are user-selectable. Available with optional 4-20mA and/or pulse output.

### Wireless Register - Optional

FlowConnect with Exact Read advanced technology ensures you have an accurate and exact reading from register to website. Unlike traditional telemetry systems, FlowConnect's unique one-piece design eliminates the need for cables, pole mounting and other hardware. Get more data, faster and have it delivered to the palm of your hand with FlowConnect. Available with cellular or satellite communication protocols.



## Accuracy for Challenging Environments

Mc Propeller flow meters operate in a wide variety of environments without damage or loss of accuracy. They deliver  $\pm 2\%$  of true accuracy and  $\pm .25\%$  repeatability over a flowrange of up to 25 to 1.

## Easy to Use and Maintain

Mc Propeller flow meters install easily and require little maintenance. All their components are easily serviced in the field.

## Self-Cleaning, Durable Design

Mc Propeller flow meters are designed to prevent the build-up of solids. The high-impact plastic impeller will not flex and will maintain its shape and accuracy over the lifetime of the meter.



**The Mc Propeller Flow Meter is the most proven, most dependable choice.**

Mc Propeller flow meters are designed to operate in real-world environments and can measure turbulent flows and fluids containing debris, suspended solids, and other contaminants with an accuracy superior to other technologies. They are uniquely designed to meet the

flow measurement needs of water and wastewater users.

Our knowledgeable staff can assess your flow measurement application and help you find the best metering technology for your situation.

		Pressure Rating	Standard Totalizer	Indicator/ Totalizer	Digital	Wireless
4" - 16"	<b>M0300</b> Bolt-on Saddle	150 PSI	Standard	Standard	Optional	Optional
4" - 12"	<b>M0300SW</b> Bolt-on Saddle Surface Water	150 PSI	Standard	Standard	Optional	Optional
18" - 48"	<b>M1400</b> Large Line, Bolt-on Saddle	75 PSI	Standard	Standard	Optional	Optional
10" - 24"	<b>M1700</b> Open Flow	Atmospheric	Standard	Standard	Optional	Optional
24" - 72"	<b>M1700</b> Open Flow	Atmospheric	N/A	N/A	Standard	Optional
2" - 6"	<b>MT100</b> Threaded End	150 PSI	Standard	Standard	Optional	Optional
4" - 48" or larger	<b>MW600</b> Weld-On Saddle	150 PSI	Standard	Standard	Optional	Optional
3" - 24"	<b>MW800 / MM800</b> Right Angle	150 PSI	Standard	Standard	Optional	Optional
2" - 24"	<b>MW900 / MG900 / MT900</b> Main Line	150 PSI	Standard	Standard	Optional	Optional
2" - 12"	<b>MF100</b> Flanged End	150 PSI	Standard	Standard	Optional	Optional
2" - 24"	<b>MW500 / MZ500</b> Main Line	150 PSI	Standard	Standard	Optional	Optional
6" - 12"	<b>ML100</b> Irrigation Flanged	75 PSI	Standard	Standard	Optional	Optional
2" - 24"	<b>MG100 / MS100</b> Grooved and Smooth-End	150 PSI	Standard	Standard	Optional	Optional
2" - 24"	<b>QW500 / QZ500</b> All Stainless Steel Main Line	150 PSI	Standard	Standard	Optional	Optional
	<b>M1104</b> Flow Hydrant	150 PSI	Standard	Standard	Optional	Optional



## MC PROPELLER APPLICATIONS

- Potable water
- Drip and sprinkler irrigation
- Wastewater management
- Water well production
- Marine system testing
- Fire sprinkler testing
- Pumping stations
- Golf courses and park water management
- Truck loading and discharge
- Canal laterals
- Center pivot systems

## Options to Meet a Wide Range of Needs

McCrometer's Mc Propeller flow meters come in a variety of standard style configurations, including bolt-on saddle meter, open flow meter, and precision tube, and with a host of options for custom requirements. They offer exceptional sizing flexibility, and can be sized for line diameters of 2" to 96" and larger.

**To find out more about our flow measurement products, or for a free flow evaluation, contact your nearest Mc Propeller representative today or visit our website at [www.mccrometer.com](http://www.mccrometer.com). You can reach us directly at 1-800-220-2279.**



## Specifications

All flow meters comply with the American Water Works Association Standard No. C704-08.

### PERFORMANCE

Accuracy/Repeatability	$\pm 2\%$ of reading guaranteed throughout full range; $\pm 1\%$ over reduced range; calibrated in our NIST traceable test facilities. Repeatability of 0.25% or better.
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Maximum Temperature	(Standard Construction) 160°F constant.
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### MATERIALS

Bearing Assembly	Impeller shaft is 316 stainless steel. Ball bearings are 440C stainless steel.
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Register	An instantaneous flowrate indicator and six-digit straight-reading totalizer are standard. The register is hermetically sealed within a die-cast aluminum case. This protective housing includes a domed acrylic lens and a hinged lens cover with locking hasp.
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Propeller	Propellers are manufactured of high-impact plastic, retaining their shape and accuracy over the life of the meter. High temperature impeller is optional.
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Any published technical data and specifications are subject to change without notice.

## McCrometer's Expertise in Flow Physics

McCrometer's Mc Propeller flow meters measure both flow rate and volume, using turbine technology and a helical shaped impeller. The flow meter consists of a rotating device, an impeller, positioned in the flow stream. When fluid passes through the meter, it contacts the impeller, causing it to spin. The impeller's rotational velocity is directly proportional to the velocity of the flow. The rotation is translated through a magnetic coupling and flexible drive system to the register. The register automatically calculates the flow rate by multiplying the flow velocity with the cross-sectional area of the meter tube. The register incorporates an instantaneous flowrate indicator and straight-reading totalizer. The flowrate and total flow may be indicated in virtually any unit of measurement such as U.S. gallons or liters.



## Committed to Quality Manufacturing in the USA



McCrometer prides itself on the fact that all of its flow meters are designed, manufactured, and tested in the USA. Manufacturing takes place in our headquarters in Hemet, California and we own and operate one of the world's largest volumetric test facilities in Porterville, California. Our manufacturing facilities and quality control systems are the foundation for being a trusted supplier. Our USA based, high quality manufacturing is another reason our customers around the world have confidently chosen McCrometer flow meters for their most challenging flow applications since 1955.

