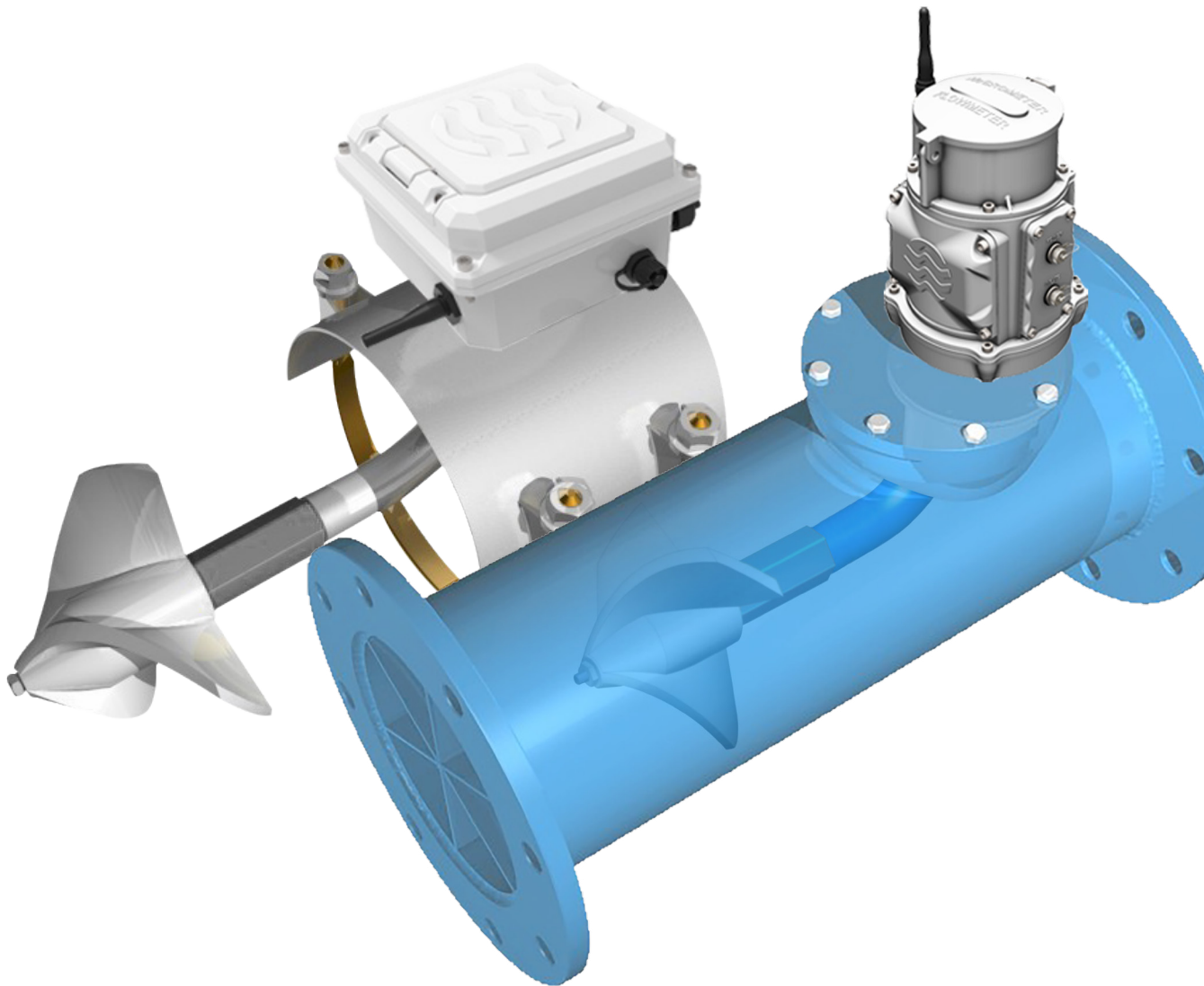




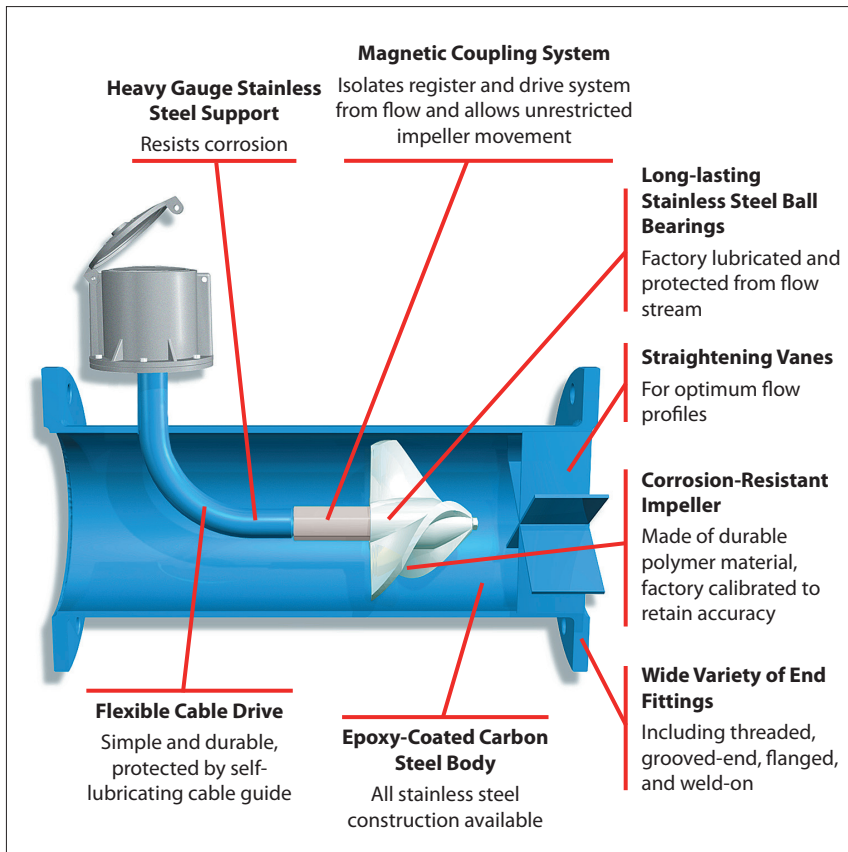
MC PROPELLER FLOW METERS

Ideal Flow Measurement for Municipal Water



McCROMETER

Register / Transmitter Options



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.

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.

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 Transmitter - Optional

This newly redesigned, highly compatible unit gives users confidence to integrate with existing systems when measuring flow. Now FlowCom customers can enjoy a more durable housing that resists water intrusion and gives FlowCom room to grow. The new larger enclosure allowed us room to add a built-in data logger to track usage over long periods of time and make room for SmartTrax™ with ExactRead™ Technology built directly into the FlowCom, when customers want telemetry for remote meter reading.



Wireless Transmitter - Optional

FlowConnect with Exact Read advanced technology ensures you have an accurate and exact reading from transmitter 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.



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.

Engineered for Accuracy, Durability, and Economy

		Pressure Rating	Standard Totalizer	Indicator/Totalizer	Digital	Wireless
4" - 16"	M0300 - Bolt-on Saddle <ul style="list-style-type: none"> Stainless steel construction Can be used on a variety of pipe materials: Steel, plastic, cast iron, cement, or asbestos cement 	150 PSI	Standard	Standard	Optional	Optional
4" - 12"	M0300SW - Bolt-on Saddle Surface Water <ul style="list-style-type: none"> Stainless steel construction Can be used on a variety of pipe materials: Steel, plastic, cast iron, cement, or asbestos cement 	150 PSI	Standard	Standard	Optional	Optional
18" - 48"	M1400 - Large Line, Bolt-on Saddle <ul style="list-style-type: none"> Can be used on a variety of pipe materials: Steel, plastic, cast iron, cement, or asbestos cement 	75 PSI	Standard	Standard	Optional	Optional
10" - 24"	M1700 - Open Flow <ul style="list-style-type: none"> Can be used on a variety of pipe materials: Steel, plastic, cast iron, cement, or asbestos cement 	Atmospheric	Standard	Standard	Optional	Optional
24" - 72"	M1700 - Open Flow <ul style="list-style-type: none"> Can be used on a variety of pipe materials: Steel, plastic, cast iron, cement, or asbestos cement 	Atmospheric	N/A	N/A	Standard	Optional
2" - 12"	MF100 - Flanged End <ul style="list-style-type: none"> AWWA Class D Flanges Optional flow straightening vanes welded in the tube 	150 PSI	Standard	Standard	Optional	Optional
6" - 12"	ML100 - Irrigation Flanged <ul style="list-style-type: none"> Optional flow straightening vanes welded in the tube 	75 PSI	Standard	Standard	Optional	Optional



Options to Meet a Wide Range of Needs

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MC PROPELLER MUNICIPAL 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

Designed for Accuracy, Built to Last

- Durable, built with a time-tested rugged design
- Consistent and repeatable measurements due to the simplicity of our proven propeller design
- Versatile, with a wide range of applications

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. You can reach us directly at 1-800-220-2279.

All flow meters comply with the American Water Works Association Standard No. C704-08.	
PERFORMANCE	
Accuracy/Repeatability	±2% of reading guaranteed throughout full range; ±1% over reduced range; calibrated in our NIST traceable test facilities. Repeatability of 0.25% or better.
Maximum Temperature	(Standard Construction) 160°F constant.
MATERIALS	
Bearing Assembly	Impeller shaft is 316 stainless steel. Ball bearings are 440C stainless steel.
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.
Propeller	Propellers are manufactured of high-impact plastic, retaining their shape and accuracy over the life of the meter. High temperature impeller is optional.
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.

