



## Mc Propeller Flowmeter



**The Best Solution For Irrigation Flow Measurement**



## About us

Since 1955, McCrometer has been the leader in propeller flowmeter technology. The first McCrometer flowmeters were designed by farmers who knew first-hand the importance of bringing water to crops reliably and efficiently, without wasting a drop or a nickel.

Today, McCrometer is a trusted partner of agriculture. Our legacy of industry leading reliability and performance fuel our dedication to meet your needs today, tomorrow and into the future.

## Simple and Effective

- Available with all of the features you need, none of the features you don't
- Requires no power to operate, no batteries to fail
- Straightforward, hassle-free installation; just cut the pipe and bolt on
- Easy to read with a mechanical register that calculates both total and instantaneous flow

## What really counts

- Durable, built with a time-tested rugged design
- Accuracy within  $\pm 2\%$  of reading, calibrated in our NIST Traceable test facilities
- Consistent and repeatable measurements due to the simplicity of our proven propeller design
- Versatile, with a wide range of applications

## Applications

- Agricultural Irrigation
- Turf Irrigation
- Center Pivot Systems
- Drip and Sprinkler Systems
- Greenhouse Growers
- Park Management
- Pumping Stations
- Canal Laterals
- Golf Courses

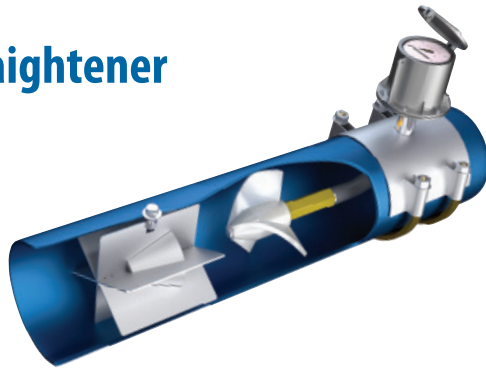


## Leading the Way

### Options and Accessories

- Electronic outputs connect with your system for better irrigation management
- Over-run Bearing extends meter life in high flow applications
- 7-digit Totalizer increases the maximum total recordable volume

### The Flow Straightener



### The tight-spot solution that saves money

By reshaping irregular flow into a smooth stream, the advanced Flow Straightener offers higher accuracy and repeatability when installed in as little as 1.5 pipe diameters from chemigation, butterfly and gate valves, out-of-plane elbows, and reducers. Saving money by reducing piping and labor costs, the Flow Straightener is ideal for both new and retrofit installations.

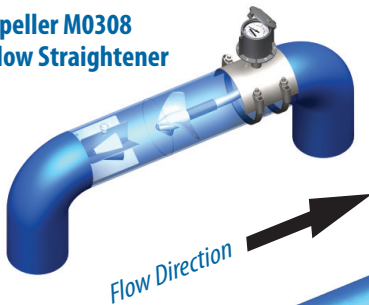
When it comes to your flow measurement needs, there are many options available. But for a highly accurate and reliable product at a reasonable price, McCrometer makes the most sense.

The Mc Propeller is the industry standard for propeller technology, continually outperforming all other flowmeters in the agricultural and turf markets.

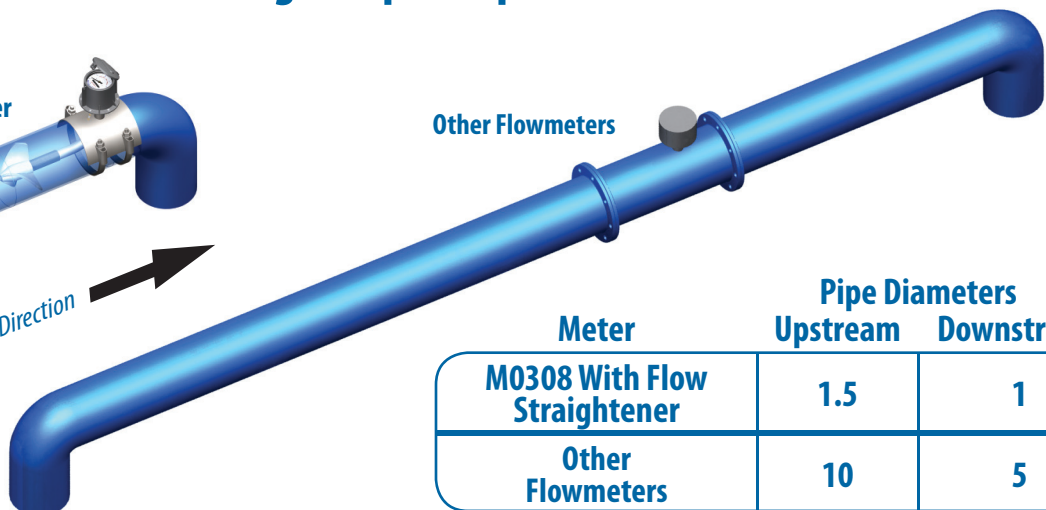
Our flowmeters are simple to install and operate, require minimal maintenance, and are equipped with all the features you need. It's no wonder that it's the #1 choice for irrigation use.

### Straight Pipe Requirements

Mc Propeller M0308  
With Flow Straightener



Other Flowmeters



Meter	Pipe Diameters	
	Upstream	Downstream
M0308 With Flow Straightener	1.5	1
Other Flowmeters	10	5

# Quick Reference Guide

## Specifications

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

### PERFORMANCE

<u>Accuracy/Repeatability:</u>	±2% of reading guaranteed throughout full range; ±1% over reduced range; Repeatability of 0.25% or better.
<u>Maximum Temperature:</u>	(Standard Construction) 160°F constant.

### MATERIALS

<u>Bearing Assembly:</u>	Impeller shaft is 316 stainless steel. Ball bearings are 440C stainless steel.
<u>Register:</u>	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.
<u>Propeller:</u>	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.

Bolt-on Saddle Flowmeter  
M0300



- 4" to 16" line sizes
- Stainless steel construction
- 150 psi Pressure Rating
- Can be used on a variety of pipe materials: steel, plastic, cast iron, cement, or asbestos cement

Open Flowmeter  
M1700



- 10" to 72" line sizes
- Stainless Steel Drop Pipe
- Perfect for open flow applications: canal outlets, irrigation turnouts, discharge and inlet pipes

Flanged End Flowmeter  
MF100 & ML100



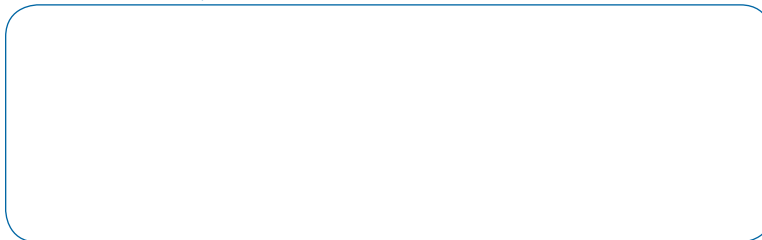
- 2" to 12" line sizes
- AWWA Class D Flanges -MF100
- 75 psi Pressure Rating ML100; 150 psi Pressure Rating MF100
- Optional Flow Straightening vanes welded in the tube

Large-Line Bolt-On Saddle Flowmeter  
M1400



- 18" to custom line sizes
- 75 psi Pressure Rating
- Can be used on a variety of pipe materials: steel, plastic, cast iron, cement, or asbestos cement

### Represented by



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