

# Magnetoflow<sup>®</sup> Mag Flowmeters



## Benefits:

- Outstanding Revenue Generation through exceptional accuracy performance: 99.75% to 100.25% over a very wide flow range
- Completely open flow tube design, with no moving parts, provides substantial reduction of maintenance costs
- Can handle the presence of sand, gravel or debris in the water. No strainer installation necessary
- Bi-directional flow measurement capability offers a perfect, cost saving solution for inter-city billing applications
- AMR and SCADA ready standard outputs



*Badger Magnetoflow is the meter of choice for pump stations, raw water wells and high revenue industrial applications.*

Magnetoflow Mag Flowmeters are the perfect Badger Meter solution for challenging metering applications in the water industry.

## Metering solutions

Whether it's metering a "tough" raw water pump station, or monitoring a reclaimed water distribution line with a high level of solids in suspension, or ensuring the highest level of accuracy and performance in a high revenue-generating industrial plant, Magnetoflow mag flowmeters stand up to the challenge.

## Long term, cost saving performance

The outstanding feature of Magnetoflow meters is their completely obstructionless flow tube design with no moving parts to wear, resulting in many years of maintenance-free operation, and virtually zero pressure loss.

Initial installation costs are also substantially less than those of conventional meters since Magnetoflow meters do not require strainer installation and the basic straight pipe requirements are minimal.

## Advanced technology — customer value

Badger Meter's mag flowmeters are the result of many years of research and field implementation of electromagnetic flow measuring technology in industrial and water and wastewater applications worldwide.

Featuring the advanced Primo® microprocessor based electronic converter, Magnetoflow meters offer superior accuracy, performance and reliability, yet maintaining a remarkable simplicity of operation and use that translates directly into customer value.

## Digital connectivity

The Primo converter features an easy-to-use, intuitive programming software that allows utility engineers and technicians to program the unit according to their specific application needs, from the simple display of the desired flow units, to the setting of a full array of standard electrical outputs ready for AMR or SCADA systems connection.

## Available sizes and options

In their flanged model, Magnetoflow meters are available in all standard pipe sizes up to 54". The standard isolating liner for most water applications is hard rubber, but a PTFE liner option is available for aggressive liquid applications. The material of the measuring electrodes is corrosion resistant Alloy C for all standard units.

The Primo electronic converter enclosure is NEMA 4X rated, and can be either meter mounted or remote mounted for pit installations.

## Display and registration

A four-line, back-lit LCD display provides simultaneous display of:

- Rate of flow
- Forward flow totalizer
- Reverse flow totalizer/externally reset totalizer
- Internal error messages

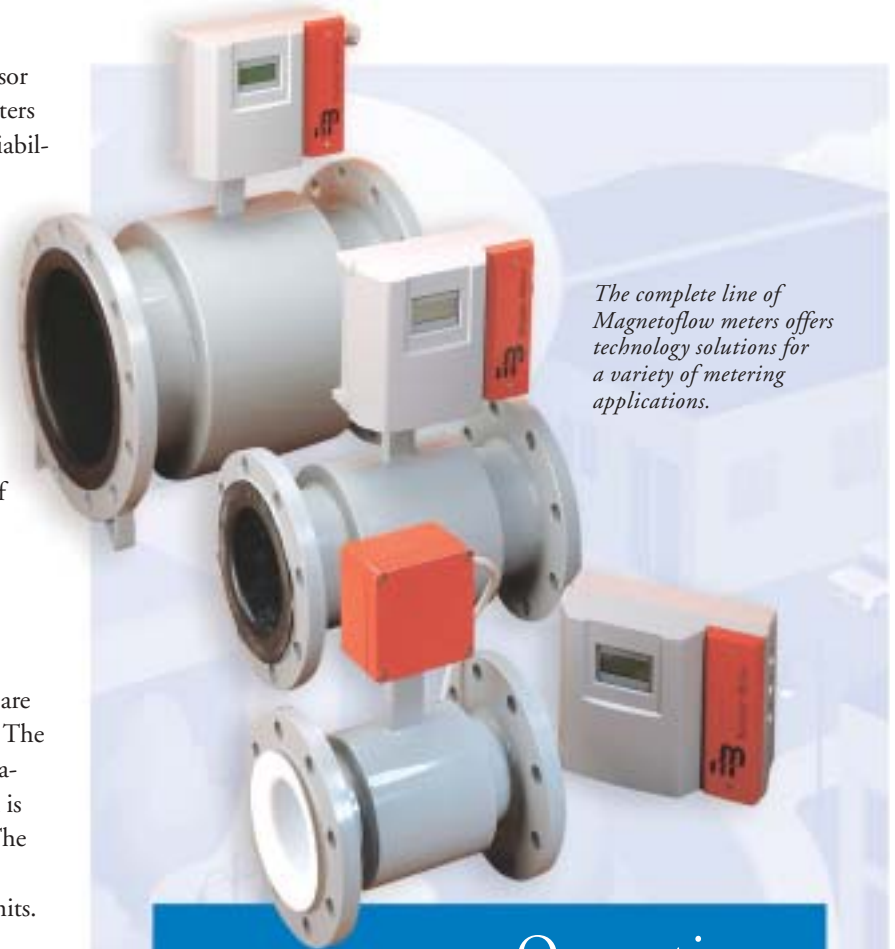
Available Rate of Flow Units: GPM, Million Gallon/Day, Cubic Meters/Hour, Liters/Hour

Available Totalizer Units: U.S. Gallons, Cubic Feet, Cubic Meters, Liters



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*The complete line of Magnetoflow meters offers technology solutions for a variety of metering applications.*

## Sizes (partial list)

4"	4 to 1,300 GPM
6"	9 to 2,900 GPM
8"	16 to 5,200 GPM
10"	25 to 8,000 GPM
12"	35 to 11,600 GPM

## Operating Range



*The microprocessor-based Primo electronic converter features an easy-to-read backlit LCD display for simultaneous display of Rate of Flow and Totalizer values.*