

### WFM SERIES WATER METER CONTACTORS

WFM Series water meters have earned a reputation for design simplicity, wide range of applications and accuracy in low-quality water. The impeller is centered in a ring of jets, with inlet jets on one level and outlet jets on another. A gear train drives the register totalizer dials.

For pulse output, one of the pointers is replaced by a magnet, which is detected by an encapsulated sensor attached to the outside of the lens. Pulse rate is determined by the dial on which the magnet is placed and by the number of sensors (single or double). Changing the pulse rate requires no special tools and can be done in the field.

The WFM Series uses the widely recognized multi-jet principle, which has been accepted as an international standard for many years.

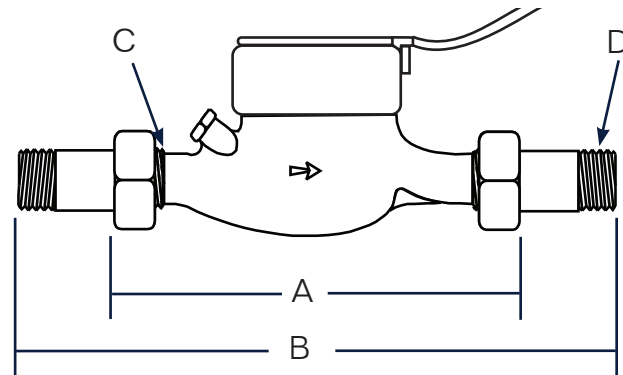
These meters are available with either a two-wire reed switch, or a solid state, three-wire Hall effect sensor.

The Hall effect sensor provides long lasting service and requires power. The reed switch provides a dry contact closure and does not require power. The WFM meters are typically used in conjunction with cooling tower or boiler conductivity controllers and metering pumps for chemical feed.



### SUMMARY OF KEY BENEFITS

- » Simple and dependable multi-jet design.
- » Available in 3/4", 1", 1 1/2" and 2" NPT sizes for flow rates from 0.22 to 132 GPM.
- » A wide range of pulse rates for a variety of applications.
- » Reed switch or Hall effect sensor options.



DIMENSIONS	3/4"	1"	1 1/2"	2"
A (Body)	7 1/2"	10 1/4"	11 3/4"	
B (Body with couplings)	12 5/8"	15 5/8"	17 5/8"	
C (BSP thread)	1"	1 1/4"	2"	2 1/2"
D (NPT thread)	3/4"	1"	1 1/2"	2"
Shipping Weight (lbs)	7	9	14	18

### PULSE RATES AVAILABLE

3/4"		1"		1 1/2"		2"	
Pulses/Gal	Gallon/Pulse	Pulses/Gal	Gallon/Pulse	Pulses/Gal	Gallon/Pulse	Pulses/Gal	Gallon/Pulse
*20	1	*2	1	*2	1	*2	1
10	*5		*5		*5		
*2	10		10		10		
	*50		*50		*50		
	100	100	100				

\* These pulse rates available in WFMxx1 (reed switch) only

## ORDER INFORMATION

WFM   —     
 size sensor sensor pulse pulse  
 type connection type rate

### SIZE

07 = 3/4"  
 10 = 1"  
 15 = 1 1/2"  
 20 = 2"

### SENSOR TYPE

0 = No sensor, Totalize only  
 1 = Reed switch, 2 wire  
 2 = Hall effect, 3 wire

### SENSOR CONNECTION

0 = Wire only, no connector  
 3 = Includes E90495 connector for EW pump

### PULSE TYPE

P = Pulses per Gallon  
 G = Gallons per Pulse

### PULSE RATE

See Pulse Rate Chart

## SPECIFICATIONS

### Power

Sensor	Reed switch	Hall effect
Max.Current	20 mA	20 mA
Max.voltage	24 VDC or VAC	24 VDC
Power	None	min 6mA @ 12VDC

**Pressure** Maximum 150 psi operating

**Temperature** Maximum 105°F (40°C)

**Cable Length** 12 ft. standard, 2000 ft. max.

### Materials of Construction

Body	Cast Bronze
Internals	Engineered Thermoplastic
Magnet	Alnico

### Flow Rates (GPM)

Size	Minimum	Maximum
3/4"	0.22 GPM	22 GPM
1"	0.44 GPM	52 GPM
1 1/2"	0.88 GPM	88 GPM
2"	1.98 GPM	132 GPM

**Accuracy** ± 1 1/2 % of reading



### WebmasterONE®

WebMasterONE® is the most powerful online cooling tower/boiler controllers in the water treatment industry. WebMasterONE® couples a multi-I/O platform with Walchem's analytical sensors and extensive communications technologies. The result is the ability to remotely monitor and control your process from any computer, anywhere in the world, with just a standard web browser.



### Metering Pumps

Walchem and Iwaki combined their talents to design the most innovative and comprehensive metering pump product line in the world. With over 50 years of combined pump experience, in an array of different markets, the Iwaki-Walchem partnership leverages our strengths to exceed even our toughest customer expectations. Committed to new product development, our pumps are innovative and revolutionary.



### WIND WebMaster Industrial Water Controllers

Walchem's WebMaster® Industrial (WIND) Controller sets a new standard for Industrial Water Treatment Controllers. WIND has a flexible multi-I/O platform, a wide range of analytical sensor measurement capabilities, and an extensive assortment of integrated communications and data handling features.



### WebAlert Remote Monitor

Walchem's WebAlert is the first stand alone remote monitoring device that can web enable your installed equipment without having to replace or upgrade it.

## ABOUT US

Walchem integrates its advanced sensing, instrumentation, fluid pumping and communications technologies to deliver reliable and innovative solutions to the global water treatment market

Our in-house engineering is driven by quality, technology and innovation. For more information on the entire Walchem product line, visit: [www.walchem.com](http://www.walchem.com)



**WALCHEM**

An Iwaki America Company

Walchem, An Iwaki America Incorporated Company  
 Five Boynton Road Hopping Brook Park  
 Holliston, MA 01746 USA  
 Phone: 508-429-1110  
 Fax: 508-429-7433  
[www.walchem.com](http://www.walchem.com)