

Water Meter Contacters



WFM Series Water Meter

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.

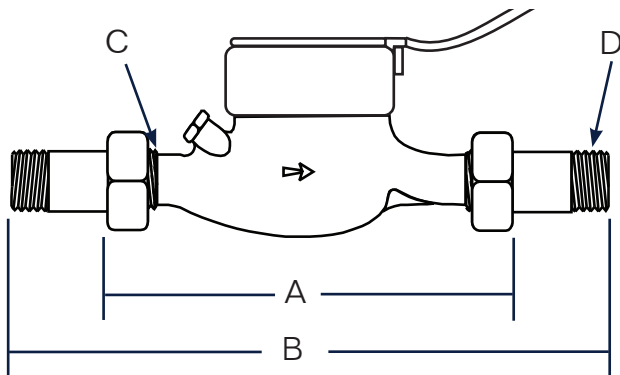
The WFM Series uses the widely recognized multi-jet principle, which has been accepted as an international standard for many years. These meters are available with either a two-wire reed switch, or a solid state, three-wire Hall effect sensor.

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 cold water applications with cooling tower or boiler conductivity controllers and metering pumps for chemical feed. They do not have NSF Standard 61 certification for drinking water applications.

KEY BENEFITS

- Simple and dependable multi-jet design.
- Available in 3/4", 1", 1½" 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.

* Not approved for drinking water.



| DIMENSIONS | ¾" | 1" | 1½" | 2" |
|-------------------------|---------|---------|---------|-----|
| A (Body) | 7½" | 10¼" | 11¾" | |
| B (Body with couplings) | 12 5/8" | 15 5/8" | 17 5/8" | |
| C (BSP thread) | 1" | 1¼" | 2" | 2½" |
| D (NPT thread) | ¾" | 1" | 1½" | 2" |
| Shipping Weight (lbs) | 7 | 9 | 14 | 18 |

W A L C H E M

IWAKI America Inc.

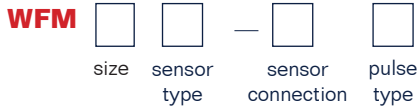
SPECIFICATIONS

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

ORDERING INFORMATION



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" | 0.44GPM | 52 GPM |
| 1 1/2 " | 0.88GPM | 88 GPM |
| 2" | 1.98GPM | 132 GPM |

Accuracy ± 1 1/2 % of reading

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



METERING PUMPS

The E-Class is the most innovative and comprehensive metering pump product line in the world. Over 50 years of pump experience and a commitment to superior mechanical design has led to development of many industry firsts, including 360 stroke-per-minute technology, IP67 waterproof construction, and the world's highest capacity solenoid metering pumps.

ISO 9001 registered company

180164.N June 2023

Walchem, Iwaki America Inc.

Five Boynton Road Hopping Brook Park | Holliston, MA 01746 USA | Phone 508-429-1110 | walchem.com