

ICWM Series Water Meters

Advanced Single-Jet and Turbine Technology Water Meters

Rain Bird's Internet Connected Water Meters (ICWM) record water usage with high accuracy and deliver usage and flow data nightly via the ICWM Web Portal.

Single Jet Meters

ICWM Single Jet Meters record flows that are 10 times lower than most types of water meters. Incoming water rotates a suspended impeller with an embedded magnet on top. The offset impeller allows the meter to pass sand and other particulates through the measuring chamber with no effect.



A low friction pivot bearing supports the floating impeller at low flow rates while a thrust bearing provides the support at high flow rates.

Turbine Meters

ICWM turbine meters utilize a cast iron body and Woltman turbine bearing for higher flow applications. ICWM turbine meters are compact, top-loading meters which can be adapted for almost any location, including vertical installations, and exceed all requirements within AWWA Standard C701-II.

Applications

ICWM Water Meters are available in 13 different models, suitable for a wide range of uses, including residential, commercial and industrial applications.

- Works anywhere the Verizon wireless network is reached.
- Extreme low flow accuracy starting 1/8 gpm to easily identify leaks.
- Widest range of single jet meters available in the U.S.
- Wide operating temperature range.
- Lead free per utility potable water requirements.



ICWM100S



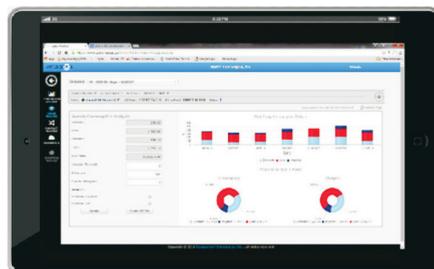
ICWM150S



ICWM075S

Cellular Capability Features

- Cellular connection eliminates the need for expensive radio networks or drive by routes.
- Digital register with web interface for data collection and analysis.
- Simple charts and graphs showing time of flow rate and total flow.



ICWM Web Portal

- Low flow, backflow and high usage reports and alerts.
- Monthly water budget can be entered with usage alerts issued for overuse.
- 5 year data service plan included.

Easy to Install

- Compact design for tight installations.
- No strainer requirement.
- No strait pipe requirement (Single Jet). 3 x Diameter for Turbine Jet.

How To Specify

ICWM	100	S
Model	Meter Size	Meter Type S: Single-Jet T: Turbine

ICWM 075 S	5/8" with 1 NPSM end connection
ICWM 100 S	1" with 1.25 NPSM end connection
ICWM 150 S	1.5" with flange end connection
ICWM 200 S	2" with flange end connection
ICWM 300 S	3" with flange end connection
ICWM 400 S	4" with flange end connection
ICWM 600 S	6" with flange end connection
ICWM 200 T	2" with flange end connection
ICWM 300 T	3" with flange end connection
ICWM 400 T	4" with flange end connection
ICWM 600 T	6" with flange end connection
ICWM	Register Only

Operating Specifications

Model	Size (in)	Description	Lay Length	Approx. weight w/ register (lbs.)	Initial Wireless Term	Body Material	End Connection	Max Op Press (PSI)	Min Test Flow (GPM)	Normal Op Range		Max Cont. Duty (GPM)	Head Loss @ SMOC (PSI)
										Min (GPM)	Max (GPM)		
ICWM075S	5/8" X 3/4"	5/8" Single-Jet Cellular IC Flow Meter	7.5"	1	5 years	Plastic	1" NPSM	230	0.0625	0.125	30	24	13
ICWM100S	1"	1" Single-Jet Cellular IC Flow Meter	10.75"	5.6	5 years	Low lead Bronze	1.25" NPSM	230	0.125	0.5	70	35	8
ICWM150S	1.5"	1.5" Single-Jet Cellular IC Flow Meter	7.87"	10	5 years		Oval Flange	230	0.250	0.500	105	88	7.25
ICWM200S	2"	2" Single-Jet Cellular IC Flow Meter	9.78"	12	5 years	Low lead Brass	Oval Flange	230	0.250	0.75	165	130	7.25
ICWM300S	3"	3" Single-Jet Cellular IC Flow Meter	11.8"	32	5 years		3" Flange	230	0.50	0.75	350	175	7.25
ICWM300SH	3"	3" High Flow Single-Jet Cellular IC Flow Meter	13.75"	48	5 years	Lead free Bronze	3" Flange	230	0.75	1.5	500	350	7.25
ICWM400S	4"	4" Single-Jet Cellular IC Flow Meter	13.75"	48	5 years		4" Flange	230	0.75	1.5	500	350	7.25
ICWM400SH	4"	4" High Flow Single-Jet Cellular IC Flow Meter	17.75"	89	5 years		4" Flange	230	1.00	2.00	1000	600	9.5
ICWM600S	6"	6" Single-Jet Cellular IC Flow Meter	17.75"	89	5 years	Epoxy coated cast Iron	6" Flange	230	1.00	2.00	1000	600	9.5
ICWM200T	2"	2" Turbine Cellular IC Flow Meter	7.87"	12	5 years		2" Flange	232	1.50	2.00	396	176	3.6
ICWM300T	3"	3" Turbine Cellular IC Flow Meter	8.9"	32	5 years		3" Flange	232	2.00	3.00	880	440	3.6
ICWM400T	4"	4" Turbine Cellular IC Flow Meter	9.8"	48	5 years	Epoxy coated cast Iron	4" Flange	232	2.00	4.00	1320	700	3.6
ICWM600T	6"	6" Turbine Cellular IC Flow Meter	11.8"	91	5 years		6" Flange	232	8.00	16.00	1540	1000	3.6

Maintenance Free

ICWM Series Water Meters are manufactured using the finest materials available. They require no maintenance and can be left in service for years with no loss of accuracy.

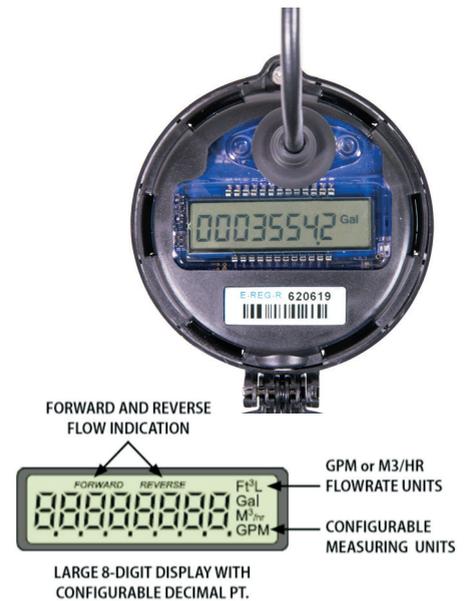
- Bodies designed for durable, long-lasting performance.
- Excellent performance in adverse water conditions.
- Unaffected by sand or small debris in line.
- High resistance to freezing.
- 100% submersible.
- Single moving element – No maintenance.

Durable

- Excellent performance in adverse water conditions.
- 5 year warranty.
- Simple design, superior materials and workmanship mean troublefree, like new accuracy for many years of maintenance-free performance.

Certifications

- FM Approved (ICWM600S).
- NSF Standard 61 Compliant (Single Jet).
- NSF Standard 372 Compliant (Turbine).
- AWWA C712 Standard (Single Jet).
- AWWA C701 Class II (Turbine Meters).



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The Intelligent Use of Water™
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