ASSURED AUTOMATION

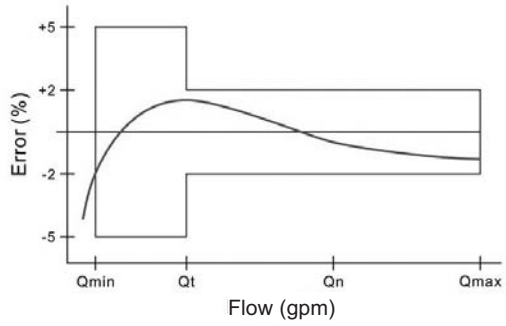
WM Series
Multi-Jet Cold Water Meters

WM Series water meters use the widely accepted multi-jet principle, as a gear train drives the register totalizer dials. For pulse output meters, a reed switch sensor is attached to the outside of the lens and detects a magnet arm that has replaced one of the dial pointers. The reed switch output is a dry contact closure and does not require power.

Main Technical Data

Nominal diameter		DN	050 - 1/2"	075 - 3/4"	100 - 1"	150 - 1 1/2"	200 - 2"
Maximum flow rate	US gpm	Qmax	13.2	22	30.8	88	132
Nominal flow rate	US gpm	Qn	6.6	11	15.4	44	66
Transition flow rate	US gpm	Qt	0.53	0.88	1.23	3.52	5.3
Minimum flow rate	US gpm	Qmin	0.133	0.22	0.31	0.88	1.32
Minimum reading	US gallon		0.01	0.01	0.01	0.1	0.1
Minimum graduation	US gallon		0.005	0.005	0.005	0.05	0.05

Accuracy Curve



Specifications

Temperature		105˚ F (40˚ C) max	
Pressure		150 psi operating	
Materials	**Body**	Cast bronze	
	Internals	Engineered thermoplastic	
	Magnet	Alnico	
Accuracy		+/- 1.5% of reading	
Sensor		Reed switch	Totalizer only
Maximum Current		20 mA	n/a
Maximum Voltage		24 Vdc or Vac	n/a
Cable Length		12' (4m) std 2000' max run	n/a

Model Codes - How to Order

WM2 - 075 - R/10P

Size
- 050 = 1/2"
- 075 = 3/4"
- 100 = 1"
- 150 = 1 1/2"
- 200 = 2"

Pulse Rate (if applicable)
- R/20P = 20 pulse/gal only in 1/2",3/4"&1"
- R/10P = 10 pulse/gal only in 1/2",3/4"&1"
- R/4P = 4 pulse/gal
- R/2P = 2 pulse/gal
- R/1P = 1 pulse/gal
- R/5G = 5 gal/pulse
- R/10G = 10 gal/pulse
- R/50G = 50 gal/pulse
- R/100G= 100 gal/pulse

Totalizer only meter would have nothing after the size designation

Examples: WM2-075-R/10G is a 3/4" meter with a pulse output (reed switch) sensor with a pulse rate of 10 gallons/pulse
WM2-100 is a 1" meter with totalizer only

ASSURED AUTOMATION

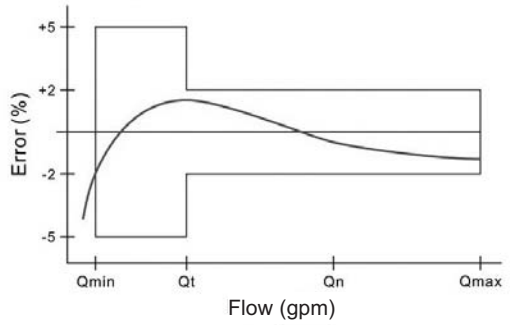
WM Series
Multi-Jet Lead-Free Water Meters

WM Series water meters use the widely accepted multi-jet principle, as a gear train drives the register totalizer dials. For pulse output meters, a reed switch sensor is attached to the outside of the lens and detects a magnet arm that has replaced one of the dial pointers. The reed switch output is a dry contact closure and does not require power.

Main Technical Data

Nominal diameter		DN	050 - 1/2"	075 - 3/4"	100 - 1"	150 - 1 1/2"	200 - 2"
Maximum flow rate	US gpm	Qmax	13.2	22	30.8	88	132
Nominal flow rate	US gpm	Qn	6.6	11	15.4	44	66
Transition flow rate	US gpm	Qt	0.53	0.88	1.23	3.52	5.3
Minimum flow rate	US gpm	Qmin	0.133	0.22	0.31	0.88	1.32
Minimum reading	US gallon		0.01	0.01	0.01	0.1	0.1
Minimum graduation	US gallon		0.005	0.005	0.005	0.05	0.05

Accuracy Curve



Specifications

Temperature		105˚ F (40˚ C) max
Pressure		150 psi operating
Materials	**Body/cplgs**	C89833 bronze alloy*
	Internals	Engineered thermoplastic
	Magnet	Alnico
Accuracy		+/- 1.5% of reading
Sensor		Reed switch
Maximum Current		20 mA
Maximum Voltage		24 Vdc or Vac
Cable Length		12' (4m) std (2000' max run)

*C89833 Bronze Alloy-Lead composition is less than 0.1% by weight

Model Codes - How to Order

WM - LF - 075 - R/10P

Size
- 050 = 1/2"
- 075 = 3/4"
- 100 = 1"
- 150 = 1 1/2"
- 200 = 2"

Pulse Rate (if applicable)
- R/20P = 20 pulse/gal only in 1/2",3/4"&1"
- R/10P = 10 pulse/gal only in 1/2",3/4"&1"
- R/4P = 4 pulse/gal
- R/2P = 2 pulse/gal
- R/1P = 1 pulse/gal
- R/5G = 5 gal/pulse
- R/10G = 10 gal/pulse
- R/50G = 50 gal/pulse
- R/100G= 100 gal/pulse

Totalizer only meter would have nothing after the size designation

Examples: WM-LF-075-R/10G is a 3/4" meter with a pulse output (reed switch) sensor with a pulse rate of 10 gallons/pulse
WM-LF-100 is a 1" meter with totalizer only

ASSURED AUTOMATION

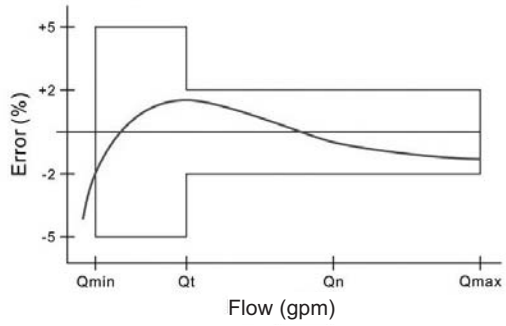
WM Series
Multi-Jet Cold Water Meters
Plastic Body

WM Series water meters use the widely accepted multi-jet principle, as a gear train drives the register totalizer dials. For pulse output meters, a reed switch sensor is attached to the outside of the lens and detects a magnet arm that has replaced one of the dial pointers. The reed switch output is a dry contact closure and does not require power.

Main Technical Data

Nominal diameter		DN	050 - 1/2"	075 - 3/4"	100 - 1"
Maximum flow rate	US gpm	Qmax	20	20	50
Nominal flow rate	US gpm	Qn	10	10	25
Transition flow rate	US gpm	Qt	1	1	3
Minimum flow rate	US gpm	Qmin	6.25	0.25	0.75
Minimum reading	US gallon		0.01	0.01	0.1
Minimum graduation	US gallon		0.005	0.005	0.1

Accuracy Curve



Specifications

Temperature		105˚ F (40˚ C) max	
Pressure		150 psi operating	
Materials	**Body**	FRP-Reinforced polyamide	
	Internals	Engineered thermoplastic	
	Magnet	Alnico	
Accuracy		+/- 1.5% of reading	
Sensor		Reed switch	Totalizer only
Maximum Current		20 mA	n/a
Maximum Voltage		24 Vdc or Vac	n/a
Cable Length		12' (4m) std 2000' max run	n/a

Model Codes - How to Order

WM - P - 075 - R/10P

Size
- 050 = 1/2"
- 075 = 3/4"
- 100 = 1"

Pulse Rate (if applicable)
- R/20P = 20 pulse/gal only in 1/2"& 3/4"
- R/10P = 10 pulse/gal only in 1/2"& 3/4"
- R/4P = 4 pulse/gal
- R/2P = 2 pulse/gal
- R/1P = 1 pulse/gal
- R/5G = 5 gal/pulse
- R/10G = 10 gal/pulse
- R/50G = 50 gal/pulse
- R/100G= 100 gal/pulse

Totalizer only meter would have nothing after the size designation

Examples: WM-P-075-R/10G is a 3/4" meter with a pulse output (reed switch) sensor with a pulse rate of 10 gallons/pulse
WM-P-100 is a 1" meter with totalizer only