



APPLICATIONS

Usage monitoring, such as:

- Industrial wastewater discharge
- Grey water
- Well monitoring
- Irrigation

FEATURES

- No moving parts
- Minimal straight pipe required
- Battery powered
- Built-in rate & total indicator
- Corrosion resistant
- Pulse output (WMP101 only)

GENERAL INFORMATION

The WMP-Series is a full-bore, plastic-bodied electromagnetic flow meter designed for flow and usage monitoring applications in 1, 2 and 3 inch pipe. The polypropylene flow tube offers corrosion resistance to a wide range of chemicals and fertilizers. It is light weight and easy to install or remove from the pipe for inspection*.

With no moving parts, the magmeter permits unobstructed flow, minimizing flow disturbances and straight pipe requirements. The WMP-Series can be used in piping configurations where there is little space between the meter and an elbow or valve. The WMP-Series is resistant to wear from sand and debris found in ground or surface water. Since there are no bearings or propeller to wear out, maintenance and repair costs are kept to a minimum and it tolerates high flows without damage.

A hinged polyethylene cover is included that protects from dust and UV rays, while permitting easy access to the flow rate and total display. The electronics housing can be fitted with cross-drilled screws and seal wire for tamper-evidence. Flow rate and total can be displayed in a variety of units, customer-selected and factory-set.

The WMP-Series is used for tracking flow rate and total flow in usage monitoring applications including wells, industrial wastewater, heap leach mining discharge, cooling tower duct, turf, landscape, and other water reclamation applications. In the event of DC power loss, or when changing batteries, the WMP will retain internal settings and flow total.

The **WMP101** is externally powered via a 5-pin connector cable (20ft/6m) which also provides pulse output for use with a variety of Seametrics and other displays and controls for remote reading, data logging, pulse-to-analog conversion, and telemetry applications.

The **WMP104** is a battery-operated unit for use when pulse output is not required. The standard batteries are user replaceable with an approximate 1 year life depending on usage. An extended battery life option offers an estimated 2-4 year life depending on usage.

*Includes Seametrics NPT fitting kit on 2" and 3" models.

FEATURES

Polyethylene protective cover

LCD rate and total indicator

Powder-coated diecast-aluminum electronics housing

Cross-drilled screws (2) for tamper-evidence

316SS electrodes

Corrosion-resistant glass-filled polypropylene body
Lightweight for easy handling



**Seametrics Fitting Kit
for 2 & 3 inch model**

SPECIFICATIONS*

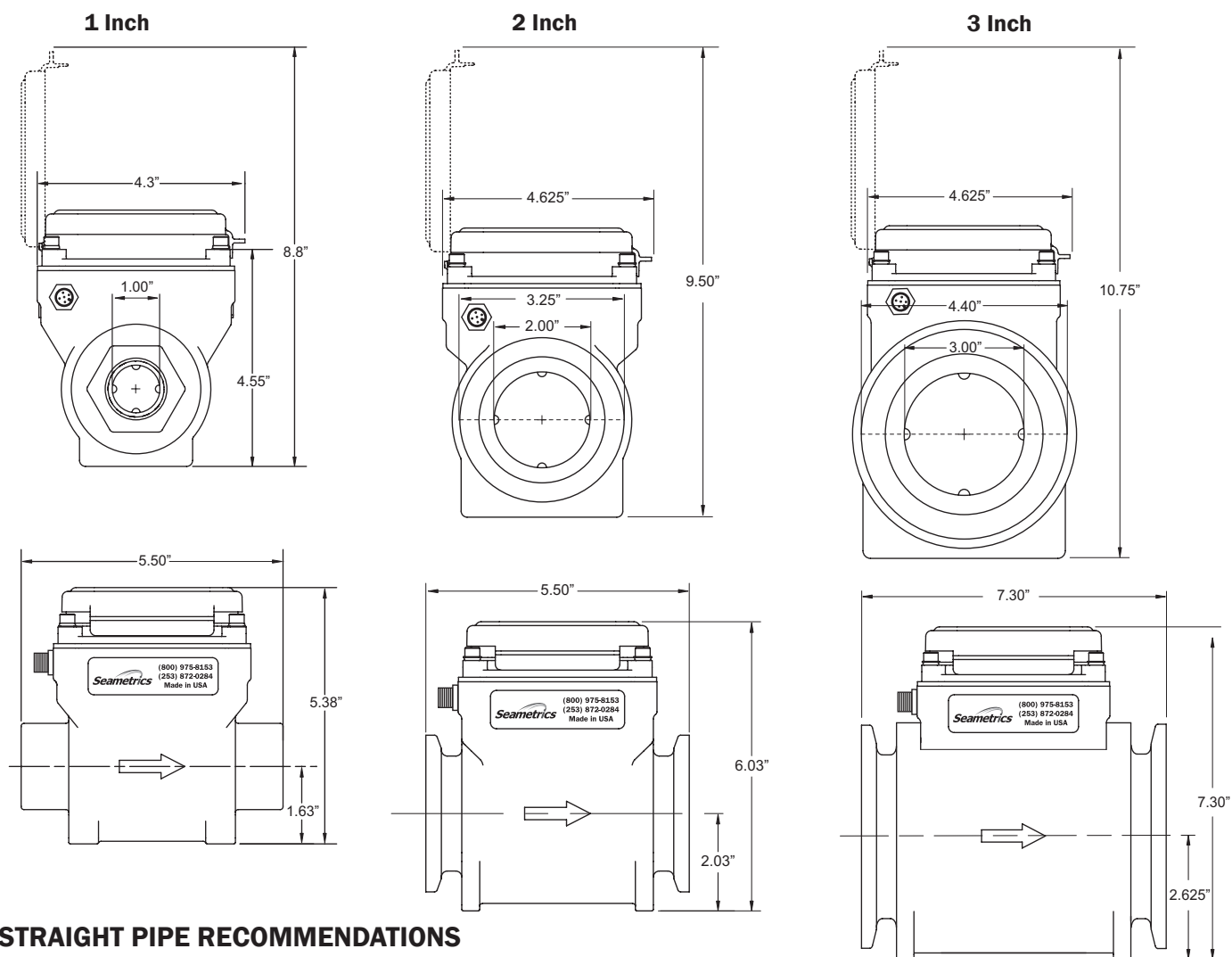
Pipe Size		1, 2 or 3 inch full port		
Fittings		1 inch NPTF, 2 or 3 inch flange clamps with 2 or 3 inch NPTF fitting kit		
Pressure		150 psi or 10.3 bar working pressure @ 70° F		
Operating Temperature Range		10° to 130° F (-12° to 54° C) operating, -40° to 176° F (-40° to 80° C) non-operating		
Accuracy		+/-1% of reading (between 10% and 100% of max flow)		
		+/-3% of reading (between cutoff and 10% of max flow)		
Flow Range	Minimum	1 inch: 2.3 GPM (.145 LPS)	2 inch: 6 GPM (.38 LPS)	3 inch: 14 GPM (.88 LPS)
	Maximum	1 inch: 110 GPM (6.94 LPS)	2 inch: 300 GPM (18.9 LPS)	3 inch: 670 GPM (42.3 LPS)
Materials	Body	Glass-filled polypropylene		
	Electrodes	316 stainless steel		
	Electronics Housing	Diecast aluminum, powder-coated		
	Display Cover	Polyethylene		
Display	Rate	Total		
	Digits	6		
	Units	Gallons/Minute, Million Gallons/Day, Cubic Feet/Second, Cubic Feet/Minute, Liters/Second, Liters/Minute, Million Liters/Day, Cubic Meters/Minute, Cubic Meters/Hour		
Security		Cross-drilled screws and tamper-evident seal (optional)		
Power	WMP101	10-30 Vdc @ 60 mA max (15 mA average) NOTE: Using an unregulated power supply >18 Vdc may damage the meter due to AC line input voltage fluctuation		
	WMP104	6 each AA alkaline cells, replaceable. Estimated life is 1 year depending on usage (standard)		
		2 each C lithium batteries, replaceable. Estimated life is 2-4 years depending on usage (Extended battery life option)		
Pulse Output Signal (WMP101 Only)		Current sinking pulse, opto isolated, 32 Vdc max at 10 mA max		
Pulse Rate (WMP101 Only)				
Low Frequency (-PxU)		1 unit/pulse out, pulse width of 10ms depending on unit selection		
High Frequency (-HF)		1"	2"	3"
Pulse/Gal		80	30	13
Pulse/Liter		21.136	7.926	3.435
Empty Pipe Detection		Hardware/software, conductivity-based		
Conductivity		>20 microSiemens/cm		
Environmental		NEMA 4X standard		
Electrical Connection (WMP101 Only)		5 pin male circular connector, mates to industry standard cable		

*Specifications subject to change • Please consult our website for current data (www.seametrics.com)

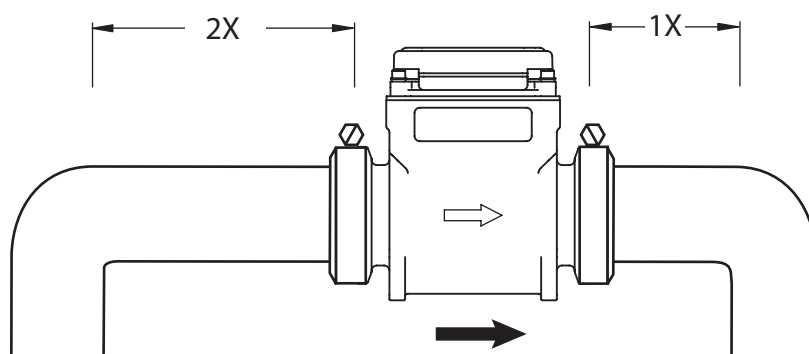
DIMENSIONS

Power/Output Cable -
WMP101 Only

Seametrics WMP Fitting Kit
(Not Shown)



STRAIGHT PIPE RECOMMENDATIONS



*Minimal straight pipe
required between elbows.
For other piping configurations,
consult factory.*

FLOW RANGE

	1"		2"		3"	
	Gal/Min	Liter/Sec	Gal/Min	Liter/Sec	Gal/Min	Liter/Sec
Minimum	2.3	.145	6	.38	14	.88
Maximum	110	6.94	300	18.9	670	42.3



WMP-Series Plastic-Bodied Magmeter

HOW TO ORDER

MODEL	SIZE	OPTIONS	UNITS			
External Power = WMP101	1" = -100	Tamper-evident seal, screws, and wire = -32	<u>RATE</u>	<u>ORDER</u>	<u>TOTAL</u>	<u>ORDER</u>
Battery Power = WMP104	2" = -200	Extended Battery Life = -133 (WMP104 Only)	Gal/Min = GPM	Gal = G	Gal = G	Gal = G
	3" = -300	*High frequency output = -HF (WMP101 Only)	Liters/Sec = LPS	Gal x 1000 = GT	Gal x 1000 = GT	Gal x 1000 = GT
		BSP fittings = -93	Liter/Min = LPM	Cubic Feet = CF	Cubic Feet = CF	Cubic Feet = CF
			Cu Ft/Sec = CFS	Acre Inch = AI	Acre Inch = AI	Acre Inch = AI
			Cu Ft/Min = CFM	Acre Feet = AF	Acre Feet = AF	Acre Feet = AF
			Cu Met/Min = CMM	Liter = L	Liter = L	Liter = L
			Cu Met/Hr = CMH	Mega Liters = ML	Mega Liters = ML	Mega Liters = ML
			Mil Gal/Day = MGD	Cubic Meters = CM	Cubic Meters = CM	Cubic Meters = CM
			Mil Lit/Day = MLD	Cu Met x 1000 = CMT	Cu Met x 1000 = CMT	Cu Met x 1000 = CMT

*See specifications for default.

Consult factory for additional units.

ACCESSORIES

Remote 4-20 mA (analog) signal = **AO55W** (-HF Option Required, WMP101 Only)

Remote Rate and Total Indicator = **FT420W** (-HF Option Required, WMP101 Only)

Remote Data Logger = **DL76W** (WMP101 Only)

2" Fitting Kit, FNPT Flange Clamps = **101222**

2" Fitting Kit, BSP Flange Clamps = **102203**

3" Fitting Kit, FNPT Flange Clamps = **102073**

3" Fitting Kit, BSP Flange Clamps = **102204**

CONTACT YOUR SUPPLIER