



APPLICATIONS

- Municipal water/wastewater
- Industrial water/wastewater
- Cooling tower water treatment
- Well usage reporting

FEATURES

- Simple and economical as a mechanical meter
- No moving parts
- Built-in pulse output
- Minimal straight pipe required
- Battery or DC power
- Data logger compatible
- Telemetry-ready

GENERAL INFORMATION

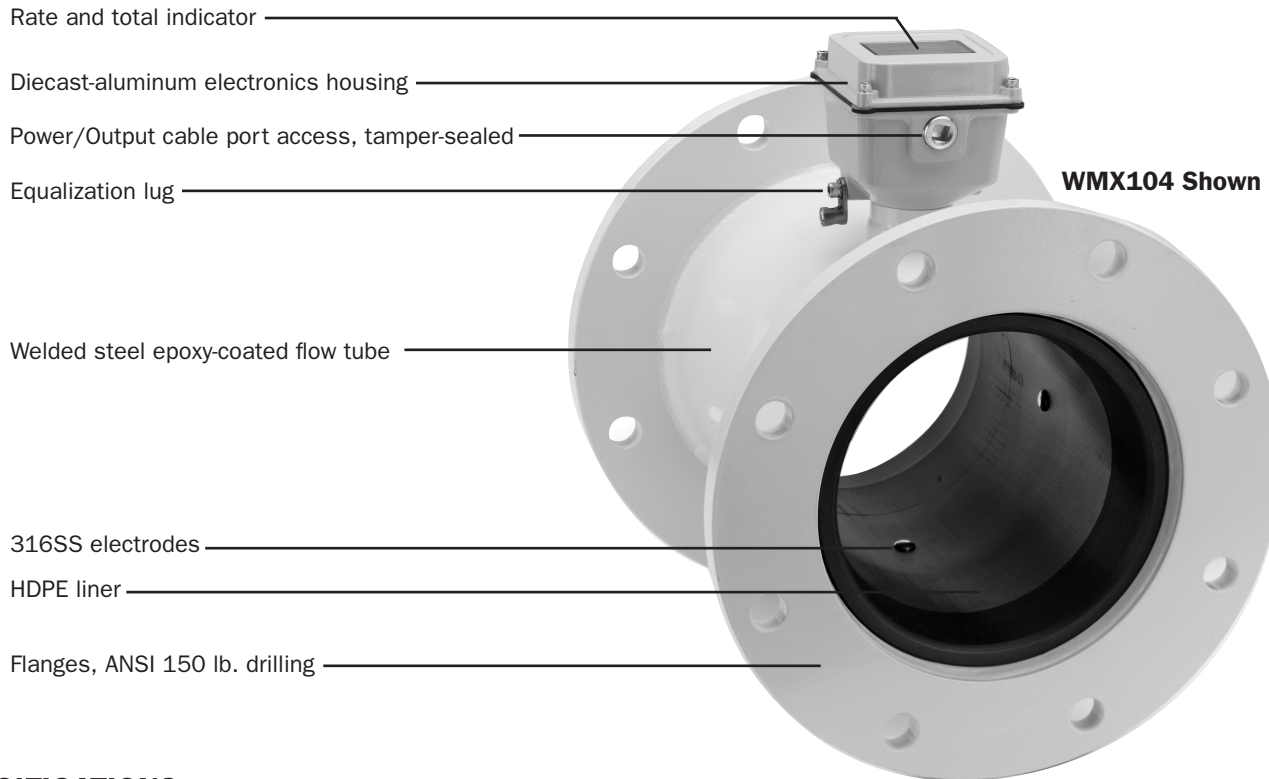
The **WMX101/104-Series** are flanged electromagnetic flowmeters for use in 4"-10" pipe in municipal or industrial water and wastewater applications where propeller meters have typically been used in the past. Because the WMX101/104 has no moving parts and electrodes designed to discourage fouling, this magmeter performs well and requires much less frequent maintenance in applications where debris or sand would impede propeller meters. There is no rotor to stop turning or bearings to wear out. Minimal straight pipe requirements allow WMX101/104-Series meters to be used in piping configurations where there is little space between the meter and an elbow.

Rate and total indication is standard on both models.

The **WMX101** is externally powered with 12-24 Vdc. Low power requirements make it ideal for small power sources. The 18 foot power cable also doubles as a pulse and serial output cable 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 **WMX104** is a battery-operated unit for use when no additional input or output is required. An optional input/output cable can be field-installed if needed for changing applications.

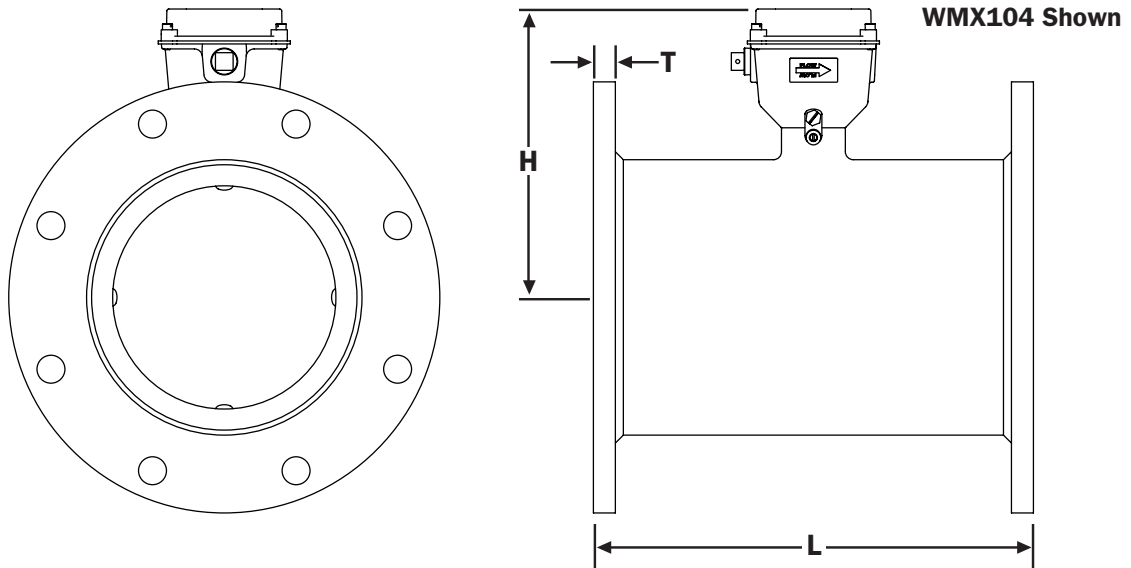
FEATURES



SPECIFICATIONS

		WMX101		WMX104	
Pipe Sizes		4", 6", 8", 10"		4", 6", 8", 10"	
Flanges		ANSI 150 lb. drilling		ANSI 150 lb. drilling	
Pressure		150 psi working pressure		150 psi working pressure	
Temperature Range		10° F to 130° F		10° F to 130° F	
Accuracy		+/-1% at 100% to 10% of reading +/-2% at 10% of reading to cut off		+/-1% at 100% to 10% of reading +/-2% at 10% of reading to cut off	
Materials	Body	Welded steel, epoxy powder coated		Welded steel, epoxy powder coated	
	Liner	HDPE		HDPE	
	Electronics Housing	Diecast aluminum		Diecast aluminum	
	Electrodes	316 stainless steel		316 stainless steel	
Display		Rate	Total	Rate	Total
	Digits	6	8	6	8
	Units*	Gallons/Minute	Gallons x 1000	Gallons/Minute	Gallons x 1000
		Million Gallons/Day	Gallons x 1000	Million Gallons/Day	Gallons x 1000
		Liters/Second	Cubic Meters	Liters/Second	Cubic Meters
		Liters/Second	Megaliters	Liters/Second	Megaliters
		Cubic Feet/Minute	Cubic Feet	Cubic Feet/Minute	Cubic Feet
	*Consult factory for additional units				
Power		12-24 Vdc, 30 mA		2 Lithium 3.6V "D" batteries, replaceable, 3 year life	
Output Signal		Current sinking pulse, opto-isolated, 24 Vdc, 10 mA max		Current sinking pulse, opto-isolated, 24 Vdc, 10 mA max	
Empty Pipe Detection		Hardware/software, conductivity-based		Hardware/software, conductivity-based	
Environmental		NEMA 4X		NEMA 4X	

DIMENSIONS

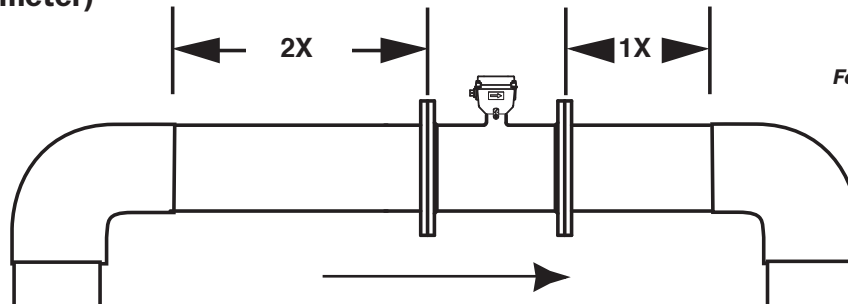


WMX101/104

Meter Size	L		H		T		Shipping Weight	
	inch	mm	inch	mm	inch	mm	pounds	Kg
-400	9.84	250	7.0	178	.625	15.9	30	13.6
-600	11.81	300	8.1	206	.688	17.5	43	19.5
-800	13.78	352	9.1	231	.688	17.5	63	28.6
-1000	17.72	450	10.1	257	.688	17.5	86	39.0
Flanges		Standard ANSI 150 lb. drilling						

STRAIGHT PIPE RECOMMENDATIONS

(X = pipe diameter)



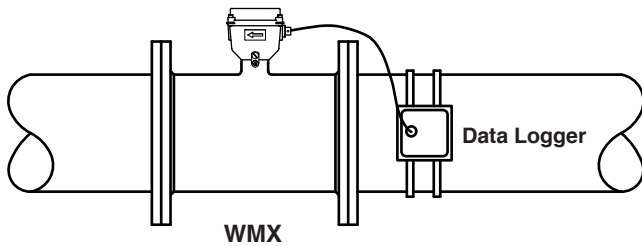
*Minimal straight pipe required between elbows.
For other piping configurations, consult factory.*

FLOW RANGE

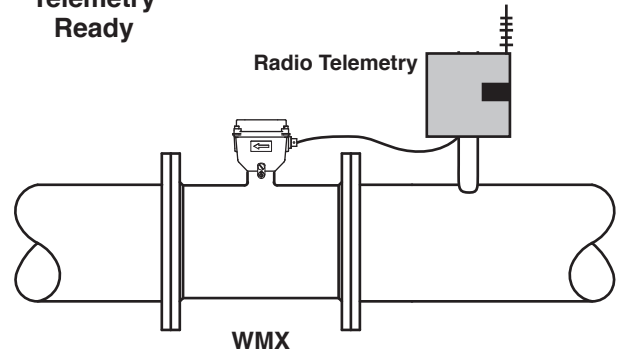
Flow Range	4"		6"		8"		10"	
	Gal/Min	Liter/Sec	Gal/Min	Liter/Sec	Gal/Min	Liter/Sec	Gal/Min	Liter/Sec
Minimum	12	.75	32	2	60	3.8	95	6
Maximum	500	31.5	1,200	75.7	2,200	138.8	3,500	220.8

OUTPUT CAPABILITIES

Data Logger Compatible



Telemetry Ready



HOW TO ORDER

MODEL	SIZE	UNITS
DC powered = WMX101	4" = -400	RATE Gal/Min
Battery powered = WMX104	6" = -600	TOTAL Million Gal/Day
	8" = -800	ORDER Cu Meters = LPS/CM
	10" = -1000	Liters/Sec Megaliters = LPS/ML
		Cu Ft/Min Cu Ft = CFM/CF
		Consult factory for additional units
ACCESSORIES		
Remote 4-20 mA (analog) signal = AO55W	Dual Power Supply, 115 Vac, 12/24 VDC = PC42	Grounding Ring (not needed for most applications):
Remote Rate and Total Indicator = FT420W	Power Converter, Plug-In, 115 Vac, 24 Vdc = PC3	4" = 31090 8" = 31092
Data Logger (remote mount) = DL75W	Battery Pack (WMX104 Only) = 31126	6" = 31091 10" = 31093
Post-Factory Power/Output Cable, (WMX104 Only), 6m (20 ft) = DC30		
Post-Factory Power/Output Cable, (WMX104 Only), 15m (50 ft) = DC35		

CONTACT YOUR SUPPLIER