The WMP104 is a full-bore, plastic-bodied electromagnetic flow meter designed for flow and usage monitoring applications in 2” pipe. The polypropylene flow tube offers corrosion resistance to a wide range of chemicals. Its light weight and clamp flanges allow it to be easily installed or removed from the pipe for inspection*. There are multiple adapters available to allow for a wide variety of pipe mounting configurations.

With no moving parts, the magmeter permits unobstructed flow, minimizing flow disturbances and hence, straight pipe requirements. The WMP104 can be used in piping configurations where there is little space between the meter and an elbow or valve. The WMP104, like other magmeters, is resistant to wear from sand and debris found in ground or surface water. Since there are no bearings or propeller to wear out, downtime and maintenance and repair costs are kept to a minimum. Because there are no mechanical parts in the flow stream, the meter tolerates high flows without damage.

The hinged, opaque polyethylene cover protects from dust and UV rays, while permitting easy access to the LCD flow rate and total display. The electronics housing is made of rugged powder-coated die-cast aluminum. It 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 WMP104 is used for tracking flow rate and total flow in usage monitoring applications, for instance, in compliance with regulatory requirements. These would include wells, industrial wastewater, heap leach mining discharge, cooling tower deduct metering, turf and landscape applications, and other water reclamation operations.

*Use Banjo® fittings or SeaMetrics WMP Fittings Kit

**APPLICATIONS**

Usage monitoring, such as:
- Industrial wastewater discharge monitoring
- Cooling tower deduct metering
- Heap leach mining discharge monitoring
- Well monitoring
- Turf and landscape water monitoring

**FEATURES**

- Simple as a mechanical meter
- No moving parts
- Minimal straight pipe required
- Battery powered
- Built-in rate & total indicator
- Corrosion resistant

**GENERAL INFORMATION**

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WMP104
Plastic-Bodied Magmeter

FEATURES

- Plastic-bodied magmeter
- Clamping flanges for ease of installation
- Cross-drilled screws (2) for tamper-evidence
- Corrosion-resistant glass-filled polypropylene body
- Lightweight for easy handling
- 2" full port
- Flange clamps
- 150 psi or 10.3 bar working pressure @ 70˚ F
- 10˚ to 130˚ F (-12˚ to 54˚ C)
- +/-1% of reading from 100% to 10% of full scale
- +/-3% of reading to cut off
- 6 gallons per minute (.375 liters per second)
- 300 gallons per minute (18.9 liters per second)
- Glass-filled polypropylene
- 316 stainless steel
- Diecast aluminum, powder-coated
- Polyethylene

SPECIFICATIONS*

<table>
<thead>
<tr>
<th>Pipe Size</th>
<th>2&quot; full port</th>
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</thead>
<tbody>
<tr>
<td>Fittings</td>
<td>Flange clamps</td>
</tr>
<tr>
<td>Pressure</td>
<td>150 psi or 10.3 bar working pressure @ 70˚ F</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>10˚ to 130˚ F (-12˚ to 54˚ C)</td>
</tr>
</tbody>
</table>
| Accuracy | +/-1% of reading from 100% to 10% of full scale
| Flow Range Minimum | 6 gallons per minute (.375 liters per second) |
| Flow Range Maximum | 300 gallons per minute (18.9 liters per second) |
| Materials Body | Glass-filled polypropylene |
| Electrodes | 316 stainless steel |
| Electronics Housing | Diecast aluminum, powder-coated |
| Display Cover | Polyethylene |
| Display Digits | Rate: 6; Total: 8 |
| Units | Gallons/Minute; Acre-Foots; Acre-Inches; Gallons x 1000; or Cubic Feet |
| | Cubic Feet/Second; Cubic Feet |
| | Cubic Feet/Minute; Acre-Foots |
| | Liters/Second; Cubic Meters; or Megaliters |
| | Liters/Minute; Cubic Meters |
| | Cubic Meters/Minute; Cubic Meters |
| Security | Cross-drilled screws and tamper-evident seal |
| Power | 6 AA alkaline cells, replaceable Life: 1 year with meter in use; 3 years dry |
| Empty Pipe Detection | Hardware/software, conductivity-based |
| Environmental | NEMA 4X standard; -40˚ to 176˚ F (-40˚ to 80˚ C) storage |

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

Use Banjo® fittings or SeaMetrics WMP Fitting Kit

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

FLOW RANGE

<table>
<thead>
<tr>
<th></th>
<th>Gal/Min</th>
<th>Liter/Sec</th>
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</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>6</td>
<td>.375</td>
</tr>
<tr>
<td>Maximum</td>
<td>300</td>
<td>18.9</td>
</tr>
</tbody>
</table>

DIMENSIONS
## HOW TO ORDER

### ACCESSORIES

SeaMetrics WMP Fitting Kit = 31980
- 2 FNPT threaded adapters
- 2 flange clamps
- 2 EPDM gaskets

Consult factory for additional units

## CONTACT YOUR SUPPLIER