



# UK Flowtechnik

Specialists in flow metering, pumps, couplings  
and process measurement equipment

## PRODUCT DATASHEET



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# WMP SERIES Mag Flowmeter

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 fertilisers. It is light weight and easy to install or remove from the pipe for inspection.

With no moving parts, the magmeter permits unobstructed flow, minimising 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.

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.



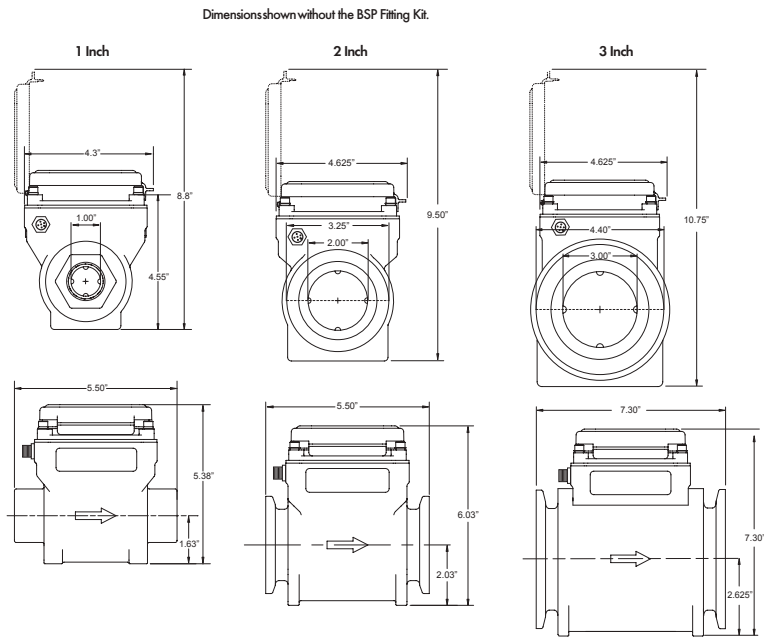
## Features & Benefits

- No moving parts
- Corrosion & abrasion resistant
- Minimum straight pipe runs (in some cases down to 2x before and 1x dia after)
- Battery or DC power options
- Retention of values in the event of power loss
- Pulsed signal with standard or high resolution output (WMP 101 only)
- Optional Tamper-evident seal

## Technical Data

	100	200	300
Flow Range (l/min)	8.7-416	22.8-1,134	53.2,538
Connection Size	1"	2"	3"
Body Material	Glass filled Polypropylene		
Electrode Material	316 Stainless Steel		
Cover Material	Soft Polyethylene, Hard Rubber, PTFE		
Linearity	+/- 1% of reading (10-100% of range, +/-3% of reading bottom 10% of range)		
Minimum Conductivity	>20 µS/cm		
Max Pressure (Bar)	10		
Max Temperature (°C)	54°C		
Display	Flow Rate and Total (without reset)		
Battery (WMP 104 only)	6x AA style lithium (approximate 1 year's operation) or 2x C cell style (approximately 2-4 years operation)		
Power Supply (WMP 101 only)	10-30Vdc, 60mA		
Output (WMP-101 only)	NPN pulse, max 32 Vdc 10 mA (low or high frequency options)		
Electrical Connector (WMP 101 only)	5 pin M12x1 circular connector		
Protection	IP64 (NEMA 3X)		

Dimensional Data



Ordering Information

WMP	101	-	200	-	93	-	LPM	/	L
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**Product Identifier**

Polypropylene Magnetic Inductive Flowmeter

**WMP**

**Model**

External Power (pulsed output) **101**

Battery Power **104**

**Size**

1"	<b>100</b>
2"	<b>200</b>
3"	<b>300</b>

**Options**

Tamper-evident seal	<b>32</b>
Extended battery life (WMP 104 only)	<b>133</b>
High Frequency Output (WMP 101 only)	<b>HF</b>
BSP fittings	<b>93</b>

**Total Units**

Litres	<b>L</b>
Cubic Metres	<b>CM</b>
US Gallons	<b>G</b>

**Rate Units**

Litres per Minute	<b>LPM</b>
Cubic Metres per Hour	<b>CMH</b>
US Gallons per Minute	<b>GPM</b>

**MAGNETIC INDUCTIVE FLOWMETERS**