

EL 2100 Electromagnetic Flow Meter for Ag, Water & Waste Applications

Description

The EL 2100 represents the state of the art product range for demanding water, waste and agriculture applications.

Traditional Electromagnetic flow meters employ an insulating lining typically manufactured out of PTFE, Ebonite or ceramic. In the EL 2100 the traditional liner has been removed, and has been replaced with a powder coating of Rilsan[®]. The coating not only acts as an insulator but provides excellent corrosion, abrasion, impact and chemical resistance, both internal and external to the meter. Process fluid only contacts Rilsan[®] surfaces and Hastelloy C electrodes (fitted as standard) ensuring integrity is maintained.

Features

- No moving parts
- Hastelloy C 22 electrodes standard
- Grounding electrode eliminates ground rings
- Sealed electrode and coil assembly provides immunity to humidity variation and IP67 protection
- Rilsan[®] powder coating provides excellent corrosion, chemical & abrasion resistance
- Wide rangeability with a single unit
- No pressure drop
- Bidirectional capability
- Remote & integral versions available
- AC/DC & battery powered



**Model EL 2100
Electromagnetic Flow Meter**

Specifications

Accuracy	±0.5% of reading plus zero stability
Zero stability	±0.1% of full scale
Repeatability	±0.2%
Max Fluid Velocity	10 m/s
Tube Material	304 Stainless steel
Tube coating	Rilsan [®]
Line Sizes	2" to 6"
Flange Material	Carbon steel Rilsan [®] coated
Electrode Material	Hastelloy C 22 (standard)
Max Temp Range	-40° to 176° F
Max Pressure	Dependent on flange rating
Max Cable Length	100 meters
Min Conductivity water	5 µS/cm, 20 µS/cm for DI
Rating	IP 67 (IP 68 to 10 meters available on request)
CE Declaration	EN 61326:1997 to EN 61326/A3:2003
Straight Run	5D upstream and 3D downstream minimum

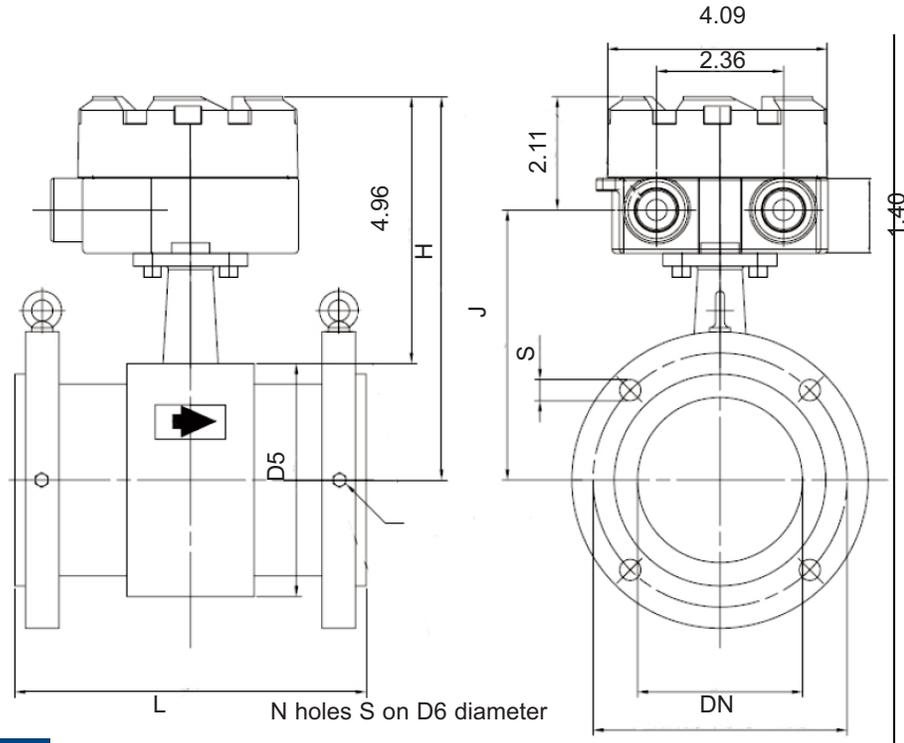
EL 2100

EL 2100 with MC 608A mounted

Size	H	J	L
Inch	Inch	Inch	Inch
2.00	6.89	4.78	7.87
3.00	7.46	5.35	7.87
4.00	7.95	5.85	9.84
6.00	9.02	6.91	11.81

Size	Min GPM	Nominal GPM	Max GPM
	0.05m/s	5 m/s	10 m/s
2.00	1.54	155.5	311
3.00	3.96	398.4	796.7
4.00	6.21	622.4	1245
6.00	14.0	1400.5	2801

Suggested operating range is between 0.5 and 5m/s.



EL 2100 Ordering Information

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Size	Code
2"	101124
3"	101125
4"	101126
6"	101127

Fitting	Code
CS 150# Flange	A
CS 300# Flange	B

Transmitter & Power	Code
MC608A 90-264VAC	A
MC608A 24VAC-DC	B
MC608B Battery Powered	L

Integral or Remote	Code
Remote, 5m	B
Remote, 7m	C
Remote, 10m	D
Remote, 15m	E
Remote, 20m	F
Remote, 30m	G
Remote, 40m	H
Remote, 50m	J
Remote, 75m	K

EL 2100 Electronics

The EL 2100 interfaces to an integral or remote mounted MC608 transmitter with backlit display. The system can be powered with 110/240AC, 24V DC or battery powered.



MC 608A/B Series Features

- High end controller
- Bi directional functionality
- AC and DC versions
- Battery powered version (6 to 10 Year life)
- Internal Data logging
- Low power consumption mode
- Large graphics display
- Digital outputs
- Analog outputs
- Alarm outputs
- Windows based programming tool



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