



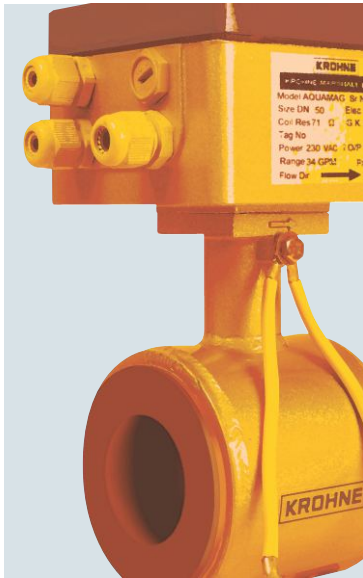
KROHNE

▶ *achieve more*

▶ AQUAMAG

Magnetic Flowmeter Primary Head for Water and Waste Water Measurements

- Easy, quick and low cost of installation
- Rugged and proven design
- Absolutely maintenance free
- Hard rubber liner



AQUAMAG Electromagnetic flowmeters

- Reliable expert for water and wastewater measurement.
- Wafer design.
- Easy and quick installation.
- Hard rubber liner.

AQUAMAG

Flowmeters to measure the volumetric flow rate of electrically conductive liquids.

Fields of application

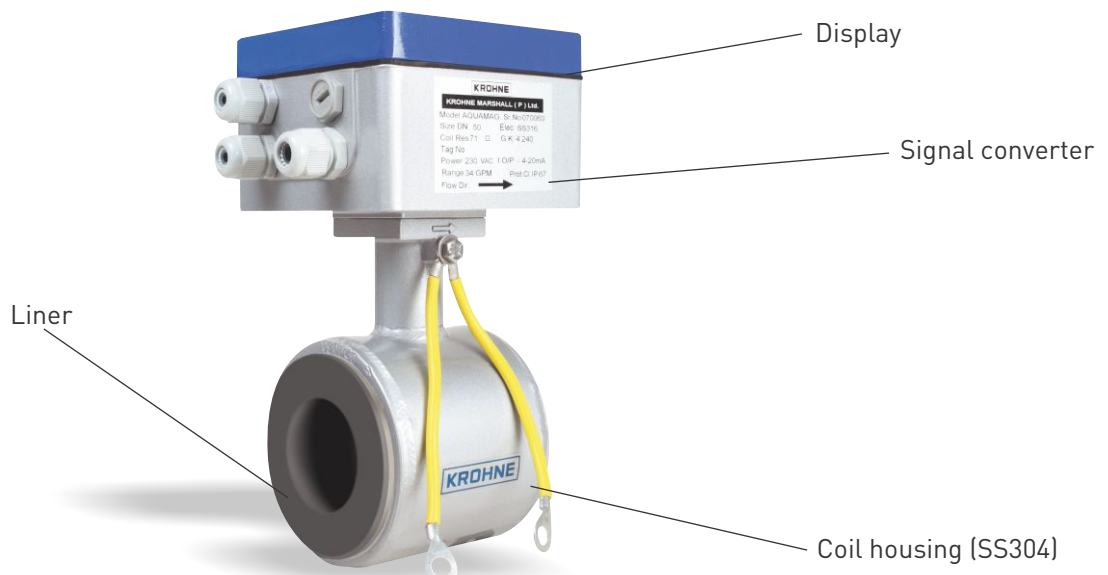
- Water and Wastewater
- Environmental engineering

AQUAMAG electromagnetic primary heads are compatible with the below signal converters.

- IFC 011 - Measurement accuracy $\pm 1\%$ (optional $\pm 0.5\%$) of measure value.
Versions - Compact with integral signal converter (Model: IFC 011K)
Separate with field mounted signal converter (Model: IFC 011F)

Signal converters with higher accuracy available on request.

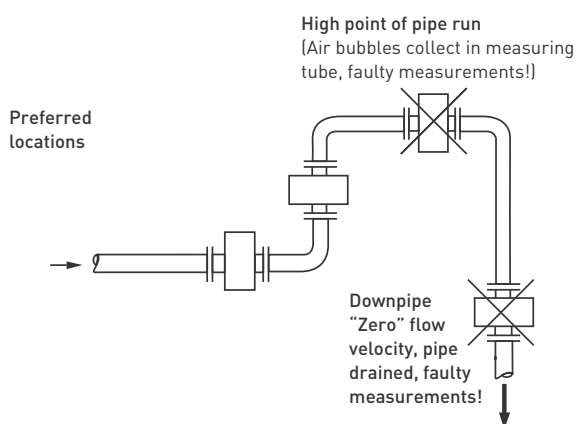
Complete technical details of the signal converters are available in relevant data sheets.



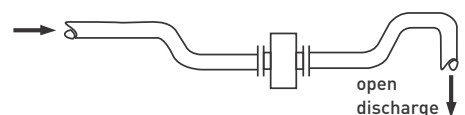
AQUAMAG Technical Data

Meter Sizes	2" to 6" (50 NB to 150 NB)	
Mounting	Wafer	
Electrical conductivity	> 20 $\mu\text{S}/\text{cm}$	
Product temperature	-20°C to + 80°C	
Insulation class of field coils	H, temperature of fluid 180°C	
Electrode design	Flat elliptical, surface-polished electrodes	
Protection rings	Available optionally	
Protection class	IP 67	
Materials	Measuring tube	Stainless steel, SS 304
	Liner	Hard Rubber
Electrodes	Standard	SS316
	Optional	Titanium, Tantalum, Platinum, Nickel
Housing	SS 304	
Terminal Box	Die cast Aluminium	
Cable entry	1/2" NPT (F) Brass Nickel plated	
Grounding rings (optional)	SS 316, SS 304	

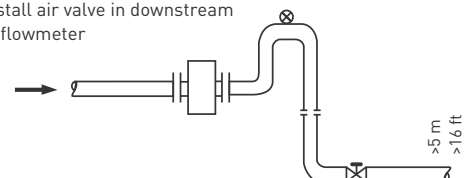
Suggestion for Installation



Open feed or discharge
Install in low section of pipe



Downpipe over 5 m or 16 ft length
Install air valve in downstream of flowmeter



Long pipeline
Always install shut-off valves downstream of flowmeter



Never install flowmeter on pump suction side



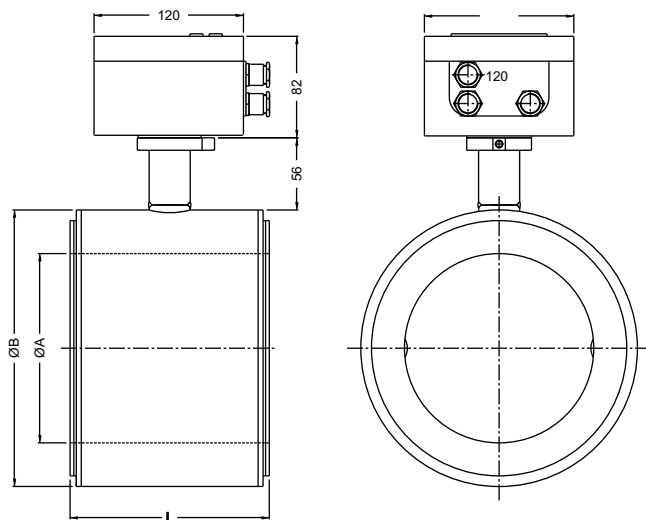
Dimensional and weights

Please Note:

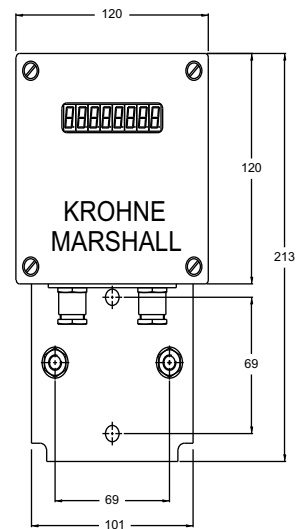
The total dimensions for the height is obtained from the dimension B (see table) plus the height of the terminal box or the signal converter, see drawings.

The total weight is made up of the weight of the signal converter plus the weight of the terminal box or signal converter, see drawings.

Flowmeter size : 2" - 6" / 50NB - 150NB



Signal Converter IFC 011F



Weight - 1.5 kg

Dimensions

Nominal size (ANSI)	L (mm)	A (mm)	B (mm)	Weight (Approx.)	
				Kg	LBS
2"/50NB	100	48	106.2	3.5	7.72
3"/80NB	120	77	137.8	4.5	9.2
4"/100NB	150	98	176	7.2	15.87
6"/150NB	160	150	222	12	26.45

Note: These flowmeters are not designed for custody transfer or weights and measures applications.

Specifications subject to changes without prior notice

Doc#CIG/0912/2/V1.R1