RIFOX
A Thermax Group Company

THERMAX

Energy Environment Solutions for Sustainable Growth

Electro Magnetic Type Water Flow Meter

STEAM ENGINEERING

INTRODUCTION

Water flow meter is designed to measure flow rate of water flowing in pipeline. The flow meter works on faraday's law of electromagnetic induction. The meter measures volumetric flow of water and displays it on a display unit. The basic requirement for the meter to work is minimum electrical conductivity of water to be more than 5 micro siemens/cm.

Suitable for -

- Boiler feed water flow measurement
- Water supply measurement to plant
- Measurement of cooling and chilled water flow
- Effluent flow measurement
- Sewage flow measurement with high level of solids
- Flow measurement in industries handling paper waste, slude and slurries, food and juices, chemicals lie acids and alkalies.

OPERATING PARAMETERS

Maximum Operating Temperature, (HR lining), °C	60
Maximum Operating Temperature, (PTFE lining), °C	140
Maximum Operating Pressure, kg/cm^2	10.54 / 21

FEATURES

- Near Zero pressure drop
- Easy and fast installation
- Equipped with operator menu based interface for setting up and servicing.
- 4-20mA output available for retransmissioin.
- Can be connected to PC on modbus protocol through RS 485
- No Indian Boiler Regulation (IBR) formalities required for installing on boiler feed water line.
- Performance of flow meter is independent of temperature, pressure and viscosity.
- Displays both instantaneous and totalized flow
- Wide variety of material of construction (MOC) available making it work even in Paper and Pulp industry, Alkalis, etc.
- Minimum straight lengths before and after flow meter are required.

TECHNICAL SPECIFICATIONS

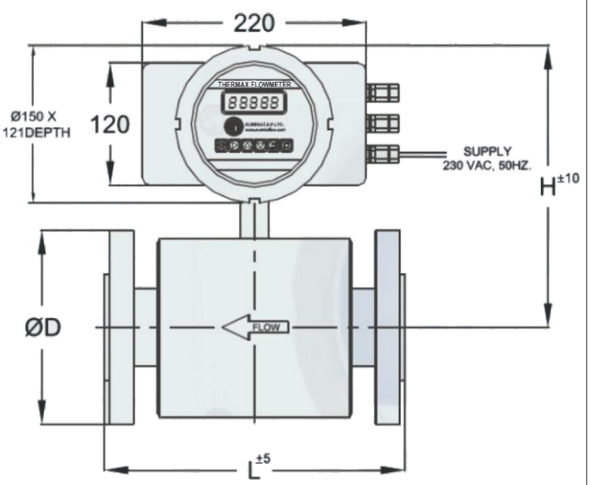
Technique	Pulsed DC
Line Sizes (mm NB)	15 - 300
Velocity Range	0.3 - 10 m/s (adjustable in convertor)
Conductivity Range	5 µs and above
Lining	Neoprene (HR) / PTFE
Electrode	SS 316
Grounding Electrode	SS 316
Operating Temperature	Upto 60°C for Neoprene (HR) Up to 140°C for PTFE
End Connection	Flanged as per ASME B16.5, #150 / #300
Flow Turndown	100 : 1
Protection	IP 65
Accuracy	± 0.5% of flow rate
Supply Voltage *	110 / 220 VAC, 50 Hz

* Supply voltage of 24 VAC are 24 VDC also available on request

APPLICATIONS

- Boiler Feed Water
- Chilled & Cooling Water
- Effluents
- Sewage flow with high level of solids.
- Paper waste
- Sludge and Slurries
- Food application
- Chemicals like acids & alkalies, etc.

DIMENSIONS & WEIGHT



Model No	L (mm)	H (mm)	Weight (kg)
A2ZFLO-W-15	150	230	6
A2ZFLO-W-20	150	230	6
A2ZFLO-W-25	200	235	7
A2ZFLO-W-40	200	260	9
A2ZFLO-W-50	200	260	12
A2ZFLO-W-65	200	270	16
A2ZFLO-W-80	250	275	18
A2ZFLO-W-100	250	290	22
A2ZFLO-W-150	300	320	35
A2ZFLO-W-200	350	350	65
A2ZFLO-W-250	450	400	80
A2ZFLO-W-300	500	450	105

THERMAX

www.thermaxglobal.com

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Registered Office

D-13, MIDC Industrial Area,
R D Aga Road, Chinchwad,
Pune 411019, India

enquiry@thermaxglobal.com

Customer Care: 1800-209-0115

www.linkedin.com/company/thermax

Thermax Business Portfolio

- Heating
- Cooling
- Steam Engineering
- Air Pollution Control
- Chemicals
- Water and Wastewater Solutions
- Solar
- Power