

C&H SERVICES SBU



Electro Magnetic Type Water Flow Meter

■ What is Electro Magnetic Type Water Flow Meter?

Electromagnetic flow measurement is based on the Faraday's Law of Electromagnetic induction. It measures volumetric flow rate of electrically conductive liquids in closed piping systems. It has an excellent accuracy and flow range ability, suitable for wide range of corrosive, abrasive and liquid applications.

Technical Specifications

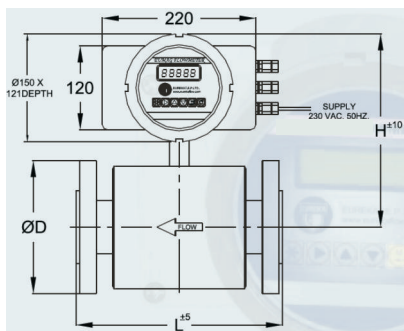
Technique	Pulsed DC
Line Sizes (mm NB)	15 - 300
Velocity Range	0.3 – 10 m/s (adjustable in Converter)
Conductivity Range	5 s and above
Lining	Neoprene (HR) / PTFE
Electrode	SS 316
Grounding Electrode	SS 316
Operating Temperature	Up to 60°C for Neoprene(HR) Up to 140°C for PTFE
End Connection	Flanged 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

Features & Benefits

- Zero pressure drop
- Easy and fast installation.
- Equipped with operator menu based interface for setting up and servicing
- Output (4-20mA) available for retransmission purpose for PLC
- Retransmission possible to connect PC on modbus protocol RS 485
- No IBR formalities required if fitted on suction side of the boiler feed water pump
- Performance of the flow meter independent on temperature, pressure & viscosity
- Display of both instantaneous and totalized flow.
- Wide variety of MOC, enables the flow meter to even work in adverse conditions such as flow measurement in paper & pulp industry, alkalis etc.
- Straight pipeline, before and after the meter not required.

Available Models



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

Applications

- Boiler feed water
- Chilled & cooling water
- Effluents
- Sewage flow with high level of solids
- Paper waste
- Sludge & slurries
- Food application
- Chemicals like acids & alkalis, etc.

For more information, please get in touch with your nearest Thermax Representative. You can also mail us at info.c&hservices@thermaxindia.com visit us at: www.thermaxindia.com

In view of our constant endeavour to improve the quality of our products, we reserve the right to alter or change specifications without prior notice. All photographs shown in this publication are representative in purpose, and to be used for reference only. For actual details and specifications, please refer to Thermax offer document.



THERMAX

Sustainable Solutions in
Energy & Environment

COOLING & HEATING DIVISION Services SBU

D - 13, MIDC Industrial Area, R. D. Aga Road,
Chinchwad, Pune 411 019. INDIA

Tel. : +91-20-2747 5941

Fax: +91-20-2747 7080

E-mail : info.c&hservices@thermaxindia.com

AHMEDABAD 380 006

Tel. : (079) 2657 5408 / 5341 / 7073

Fax: (079) 2657 7270

E-mail : aadmin@thermaxindia.com

BANGALORE 560 020

Tel. : (080) 2346 7761 - 64

Fax: (080) 2346 7760

E-mail : adminblr@thermaxindia.com

CHENNAI 600 018

Tel. : (044) 2435 3831 - 34

Fax: (044) 2435 3841

E-mail : chennaidivsupp@thermaxindia.com

HYDERABAD 500 482

Tel. : (040) 2339 6820, 2331 0254

Fax: (040) 2331 2335

E-mail : hyd_sec@thermaxindia.com

MUMBAI 400 016

Tel. : (022) 2204 5391, 2204 5324

Fax: (022) 2204 0859

E-mail : psecretar@thermaxindia.com

NEW DELHI 110 057

Tel. : (011) 2614 5319, 2614 5701

Fax: (011) 2614 5311, 2614 8679

E-mail : psupport@thermaxindia.com

KOLKATA 700 017

Tel. : (033) 2282 6711 - 13

Fax: (033) 2282 6796

E-mail : mbiswas@thermaxindia.com

International Offices:

MIDDLE EAST (DUBAI)

Tel: +9714-8861424; E-mail:

info@thermaxdubai.ae

SOUTH EAST ASIA (MALAYSIA)

Tel: +60127798493

Email: thermax@tm.net.my

HO, AFRICA, SAARC & OTHER COUNTRIES

Tel: +91-20-66128802/8818/8845

Email: info.c&hservices@thermaxindia.com

International offices:

Indonesia, Russia, Kazakstan, Saudi Arabia,
Bangladesh, Sri Lanka, Hong Kong, China,
Thailand, Malaysia, Philippines, UAE, Kenya,
Nigeria, Brazil, UK, USA

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