ELECTROMAGNETIC FLOW METER MAGFLOW 6410 & 6420 (FULL BORE TYPE)

"TORQUR" make series 6400 (Full Bore Type) are new range of Bipolar Pulsed DC Full Bore type Electromagnetic flow meters. It is suitable for pipes with nominal diameters of DN 10 to DN 600. They are based on faraday's law of Electromagnetic Induction. The series 6400 meters features flanged construction and is available with choice of liner and electrode materials. Series 6400 has excellent accuracy and flow range ability. The meter is suitable for use on wide range of corrosive and aggressive range of conductive liquids.

Available for pipe sizes Range : DN 10 to 3000

APPLICATION

- Water Supply Networks, Chemical, Petrochemical and Process Industries (Only Conductive Liquids)
- Pharmaceutical Industries / Paper and pulp Industries / Fertilizer Industries / Beverage Industries
- Waste - Water management , Sugar, Food, Drug and Beverages Industries
- Effluent Treatment Plants, Aluminum, Steel, Mining and Dredging Industries

SPECIFICATION

• **Suitable for pipe sizes**	: DN 10 to DN 2000
• **Media Conductivity (Min)**	: 10 us / cm (Consult factory for 5 us/cm)
• **Media Pressure**	: PN 40 up to DN 80, PN 16 upto DN 200 & PN 10 up to DN 600
• **Media Temperature (PTFE)**	: 0"-180c with remote transmitter 0"-120c with integral transmitter 0"-90c max for other Liners
• **Material**	: SS 316 (Non - Magnetic)
• **Liner**	: PTFE / Neoprene / Polyurethane
• **Electrode**	: SS / Hostelloy C / Ta / Ti / PL
• **End Connection / Flanges**	: Carbon steel / SS 304 / SS 316 / SS 316L
• **Coil Housing**	: Carbon steel / SS, Epoxy painted
• **Transmitter**	: Cast aluminum (Lm6), Epoxy painted
• **Power supply**	: 110 / 240 V AC + 15 % 50 Hz
• **Power consumption**	: 20 VA
• **Analog Output**	: 4-20 mA / DC / 0-20 mA DC
• **Communication port (Optional)**	: RS -23 / RS - 485 MODBUS RTU protocol
• **Response time**	: 5 second
• **Flow velocity Range**	: 0.3 to 10 m/s
• **Ingresss Protection**	: IP - 65 (IP 68 on request)
• **LED Display**	: 4 Digit Indication for flow rate and 8 digit indication for Totaliser programming from keyboard for engineering unit
Accuracy	: 0.5 % of measured value (calibrated) at eference conditions

• **Accuracy**	: 2 % of span
• **For flow Between 0 to 100 %**	: Refer Error Diagram
• **Reference Conditions**	
• **Power Supply**	: Nominal
• **Ambient Temperature**	: 25 + 2c
• **Load Resistance**	: 500
• **Repeatability**	: + 0.2% of span
• **Effect of Ambient Temperature**	: Less then 0.2% per 10c
• **Effect of power supply**	: Less then 0.1% per
• **10% Voltage Variation**	
• **Effect of Load Resistance Less than 0.1% of span**