





### **Industries**

Effluent Treatment Plant	Sewage Treatment Plant Water Supply Scheme		
Chemical & Fertilizer Industries	Dairy Industries	Sugar Industries	Textile Processing Industries



### **Applications**





### **Features**

- No moving parts, no pressure loss and require very less maintenance.
- More economical option for large pipelines flow measurement.
- It can achieve hot-tapping online installation.
- Simple structure, light weight and easy to transport.
- Bi-directional flow measurement.
- Automatic self-diagnosis.
- Protection Class: IP68 (sensor submersible) available.



# **Technical Data**

Size	DN100-DN3000 (4"-120" )					
Accuracy	±1.5% of read	ing at flow velocity ≥ 0.5m/s				
Velocity	0.1~15 m/s					
Repeatability	≤0.17%					
Structure	note, cable length 10m standard, 100m max					
Conductivity	> 5 μS/cm, de	mineralized water > 20 μS/cm				
Protection Grade	Transmitter: IP65 standard, IP67 optional					
Protection Grade	Sensor: IP65 standard, IP68 (submersible, only available for remote type)					
Electrode SS316L, Hastelloy C, Hastelloy B, Titanium, Tantalum, Platinoiridium						
Power Supply	85~250 VAC (50/60 Hz), 8~36 VDC					
Power Consumption	<20W	)W				
	Analog	4~20mA ( load resistor 0~750Ω)				
Signal Output	Frequency	Forward & reverse flow output with a frequency range of 1~5000Hz				
	Alarm	Two isolated open collector transistor (OCT) outputs for alarm signals				
Communication	RS485 MODB	ODBUS standard, HART, GPRS, PROFIBUS optional				
Display	splay LCD Display,128X128mm, three lines, 4 buttons					
Ambient Temperature	-20°C~60°C					
Fluid Temperature	-20°C~80°C					
Drosses sennestien	G2" thread ball valve					
Process connection	DN50 flange ball valve					
	Probe material: ABS standard, Polypropylene optional					
Sensor material	Valve: SS316					
	Pole: SS304					
Transmitter Material	Aluminium alloy with epoxy painting					
Nominal Pressure	1.6 Mpa					
Display	Display Instantaneous flow, total flow, flow velocity					
Function	High and low alarm, empty pipe alarm, exciting alarm, self-diagnosis					
Totalizer	Three built-in totalizers: forward flow, reverse flow and net flow					
Display Unit	L/s, L/m, L/h, m³/s, m³/m, m³/h, UKG, USG, gal/s, gal/m, gal/h, kg/s, kg/m, kg/h,t/s, t/m, t/h					
Language	English, Chine	ese, Italian, Portuguese, French, Spanish, Korean				



### **Type**



Compact Insertion Magnetic Flow Meter with Thread Ball Valve



Remote Insertion Magnetic Flow Meter with Thread Ball Valve

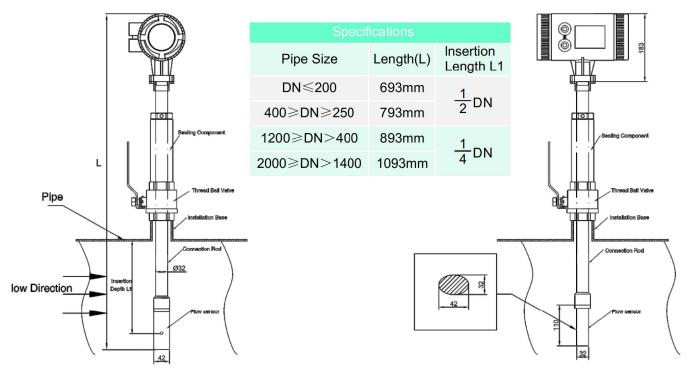


Compact Insertion Magnetic Flow Meter with Flange Ball Valve

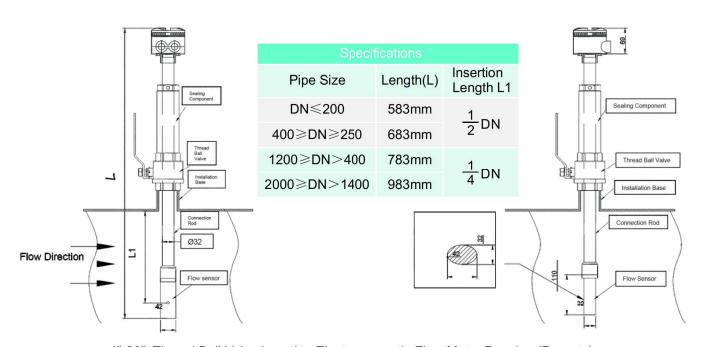


Remote Insertion Magnetic Flow Meter with Flange Ball Valve

### **Dimension**



4"-80" Thread Ball Valve Insertion Electromagnetic Flow Meter Drawing (Compact)



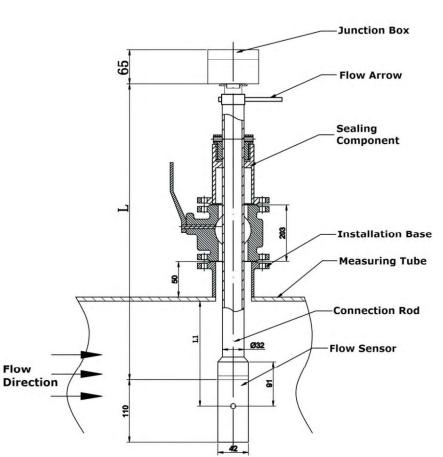
4"-80" Thread Ball Valve Insertion Electromagnetic Flow Meter Drawing (Remote)

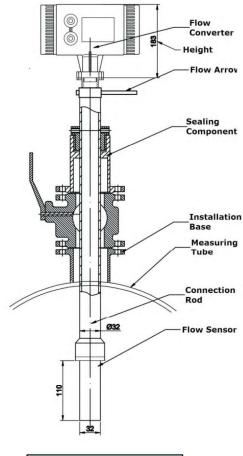


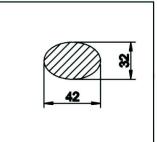
### **Dimension**

Specifications						
Pipe Size	Length(L)	Insertion Length L1				
DN≤200	480mm	1 _,,				
400≥DN≥250	580mm	$\frac{1}{2}$ DN				
1200≥DN>400	680mm	1				
2000≥DN>1400	880mm	$\frac{1}{4}$ DN				

4"-80" Flange Ball Valve Insertion Electromagnetic Flow Meter Drawing (Compact)

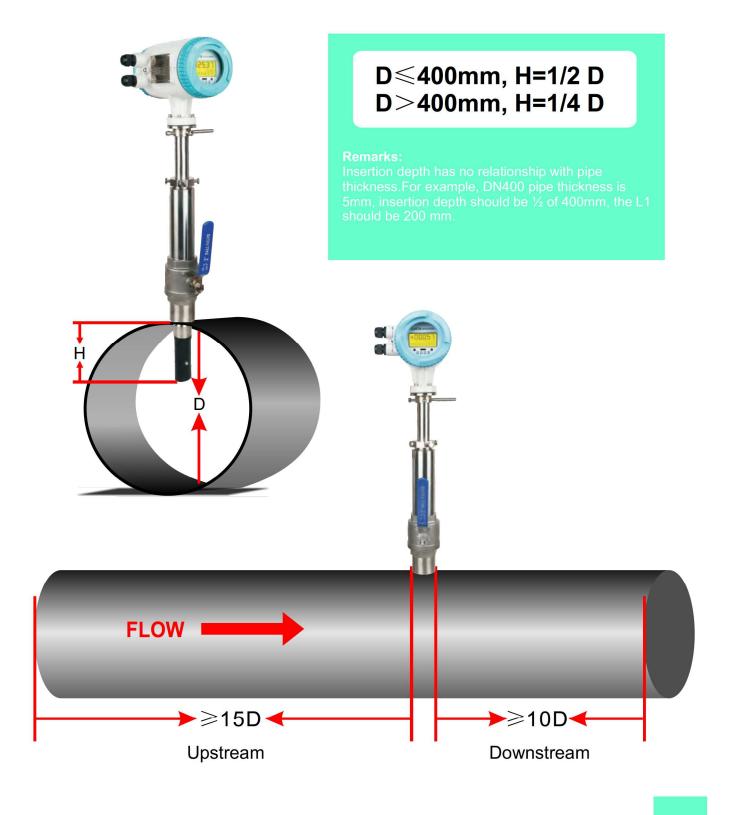








## **Insertion Electromagnetic Flow Meter**





# **Selection Table**

VMF-C	Х	Х	Χ	Х	Х	Χ	Χ	Х	Х
Caliber size	DN100-DN3000/4"-120"								
	Compact	1							
Christian	Remote	2							
Structure	Compact with explosion proof	3							
	Remote with explosion proof	4							
Probe	ABS		1						
Probe	Polyurethane		2						
	SS316L		1						
Electrode Material	Hastelloy B			2					
Electrode Material	Hastelloy C			3					
	Others			4					
	20~36 VDC	20~36 VDC			G				
Power Supply	85~265 VAC E				Е				
Tower Supply	9~36 VDC solar power SE			SD					
	Others				Х				
	4~20 mA + Pulse + RS485 MODBUS			A					
Signal Output /Communication	4~20 mA + HART				В				
	4~20 mA + Profibus				С				
	GPRS				D				
Protection Grade	IP65 Transmitter + IP65 sensor				1				
Protection Grade	IP65 Transmitter + IP68 sensor (remote)					2			
Transmitter	Square							Α	
Hansiillei	Round					В			
Insertion	G2" thread ball valve					1			
mocruon	DN50 flange ball valve					2			