

MAGNETIC FLOW METERS BY

HOFFER

Flow Measurement Systems

NOR-MAG

MAGNETIC AC/DC POWERED
GENERAL INDUSTRIAL METERS

NEW!



The Hoffer Nor-Mag Series electromagnetic flow meters are designed for industrial applications and measurement of flow rates of electrically-conductive liquids in water and heat-supply systems and various, food-processing and chemical applications. They meet the most demanding requirements of high measurement accuracy and long-term stability. Measurements in both directions of flow are possible. The meter sensor has no moving mechanical parts and its installation

in the piping system produces no pressure loss or hydraulic anomalies. The integral electronics unit provides for sensor energizing and processing of the sensor signals, and also offers functions for liquid batching control, detection of empty piping, internal meter status diagnostics, automatic cleaning of electrodes and selection of flow units. The flow meter has frequency, pulse and current outputs, as well as interfaces for USB and RS 485 communication lines.

NOR-MAG FLOW METER SPECIFICATIONS

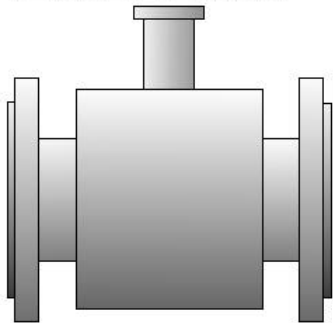
Line Sizes:	1/2" to 12" (Available up to 48") (DN 15-1200)
Nominal Pressure:	ANSI 150#, 300#, 600# Max Pressure—Size Dependant
Minimum Conductivity of measured Liquid:	20µS/cm, on agreement with the manufacturer down to 5µS/cm
Electrode Material:	Stainless steel, Hastelloy-C4, platinum, tantalum
Ambient Temperature:	23°F to 131°F (-5°C to 55°C)
Sensor Lining:	Soft or hard rubber, Teflon
Design Version:	Electronics Meter Mounted or Remote Mounted
Piping Connection:	Flanges or Wafer
Max. Temperature of Measured Liquid:	Up to 311°F (155°C), depending on sensor lining
Measurement Accuracy :	±0.2% for 10 to 100% ±0.5% for 5 to 100%
Measuring Range:	0.1 to 10 m/s
Indication of Empty Piping:	From 2" DN 50 Upwards
Displayed Units	Gallons, Liters, Cubic Meters
Outputs (insulated):	Current (0) 4 to 20mA Frequency 0 to 1,000 Hz Pulse, 0.001 to 1,000 liters per pulse Communication line USB, RS 485
Power Supply:	24/115/230V ±10%, 50 to 60 Hz (AC), 24V±10% (DC)
Protection Class	IP67 (IP68)

Meter Sizes Available

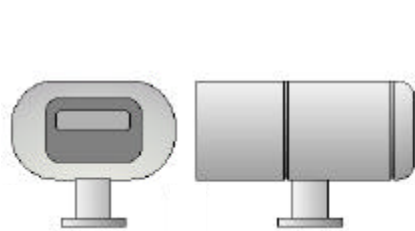
Diameters Inches (DN)	GPM	LPM
1/2" (DN 15)	0.286-28	1.083-108
3/4" (DN20)	0.52-52	2-200
1" (DN 25)	0.79-79	3-300
1-1/4" (DN 32)	1.32-132	5-500
1-1/2" (DN40)	1.98-198	7.5-750
2" (DN50)	3.30-317	12-1200
2-1/2" (DN65)	5.28-528	20-2000
3" (DN80)	7.92-792	30-3000

Diameters Inches (DN)	GPM	LPM
4" (DN 100)	12.32-1232	46-4666
5" (DN125)	18-1893	71-7166
6" (DN 150)	28-2861	108-10833
8" (DN 200)	50-5063	191-19166
10" (DN250)	79-7925	300-30000
12" (DN300)	110-11095	420-42000
14" TO 48" (DN350-DN1200)	CONSULT FACTORY	

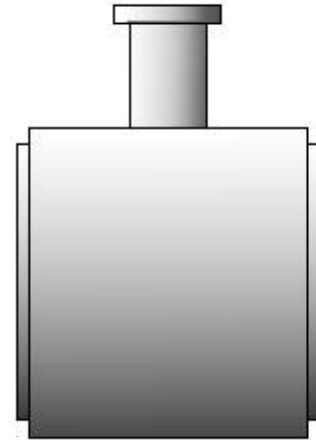
FLANGED VERSION



ELECTRONIC UNIT



WAFER VERSION



HOFFER FLOW CONTROLS, INC.
 107 Kitty Hawk Lane, P. O. Box 2145, Elizabeth City, NC 27906-2145
 800-628-4584 252-331-1997 FAX 252-331-2886
 www.hofferflow.com email: info@hofferflow.com

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specification are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

The quality system covering the design, manufacture and testing of our products is certified to International Standard ISO 9001.



EPM-AC-809