



Sanitary Electromagnetic Flow Meter

HART 
COMMUNICATION PROTOCOL



NIVOMAG

MFI 960

MFI 860

Features

- Complete Stainless Steel Construction
- Sanitary Fittings
- Suitable for CIP/SIP Cleaning
- Bi-directional Flow Measurement
- Built-in Totalizer



Typical Applications

- Milk and other dairy products
- Brewery & Beverages
 - Soft drinks
 - Beer
 - Wine
 - Fruits juices
- CIP media (incl. acids and caustic solutions)
- Pharmaceutical

The Sanitary Electromagnetic Flow meter by Nivo Controls is designed to meet the requirements of dairy, food, beverages, brewery and pharmaceutical industries for applications that demand hygienic, accurate and reliable flow measurement.

To maintain hygiene in production processes, the flow meter is constructed with complete Stainless Steel Housing and available with sanitary process connections such as

Tri-clamp or SMS Union. The sensor is also fully CIP/SIP cleanable so that it is easy to clean all parts exposed to process media.

The flow meter is obstruction less and hence does not add pressure drop to the process. Absence of moving parts eliminates the need for maintenance. The performance of the instrument is not affected by the properties of the material such as corrosiveness, viscosity and density.

Technical Specifications

Line Size	: 25 to 150 mm
Accuracy	: ± 0.5 % of reading, optional 0.3%
Output	: 4-20mA, Relay, Frequency, Pulse, RS 485, HART (optional)
Lining Material	: PTFE
Electrodes	: SS316, SS316L
Electronics Housing	: Stainless Steel/ Cast Aluminum
Protection	: IP67
Process Connections	: Tri-clamp, SMS Union
Mains Supply	: 90 to 265 Vac 50/60 Hz Optional 24 Vdc
Minimum Conductivity	: $5 \mu\text{S/cm}$ (Micro Siemens/centimeter)
Max Process Temp	: 150°C

We reserve the right to modify the technical data without prior notice.

Manufactured by

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