

Coriolis Mass Flow Meter for Fluid Measurement

This coriolis mass flow meter (MTCMF) is designed based on Micro Motion and Coriolis principle. The flow meter measures fluid directly within a sealed pipeline and consists of a sensor and a signal converter.



Overview

Precision Fluid Measurement

The MTCMF Coriolis mass flow meter utilizes the Coriolis principle to provide highly accurate, direct mass flow measurements for a variety of industrial fluids, including Non-Newtonian fluids and slurries. Designed for reliability, this meter consists of a robust sensor and signal converter, eliminating the need for straight pipe runs upstream or downstream. It is ideal for critical applications in chemical processing, petroleum, pharmaceuticals, and food production, offering consistent performance even in challenging industrial environments.

Performance Metrics

Measurement Accuracy

0.5 %

Fluid Accuracy

0.25 %

Repeatability

Density Measurement

2 g/cm³

Max Density

0.002 g/cm³

Accuracy

Technical Specifications

Explosion-proof Level

Exd (ia) aC T6GB

Temperature Range

-50°C to 200°C (Medium)

Working Pressure

4 MPa

Materials

Material Composition

316L Stainless Steel (Tube), 304 Stainless Steel (Housing)

Flow Capacity

Dimension and Flow Range

Model	DN (mm)	Flow Range (kg/h)
MTCMF-006	6	0-1000
MTCMF-010	10	0-2100
MTCMF-015	15	0-4500
MTCMF-020	20	0-7200
MTCMF-025	25	0-12000
MTCMF-032	32	0-21000
MTCMF-040	40	0-36000
MTCMF-050	50	0-60000
MTCMF-080	80	0-180000
MTCMF-100	100	0-280000
MTCMF-150	150	0-600000
MTCMF-200	200	0-1200000

Applications

Suitable Industries

- Chemical Processing
- Petroleum & Oil
- Pharmaceutical
- Food & Beverage
- Painting & Coating
- Paper & Pulp
- Textile Printing & Dyeing
- Transportation