

Rheonik Coriolis Mass Flow

For demanding industries in harsh environments

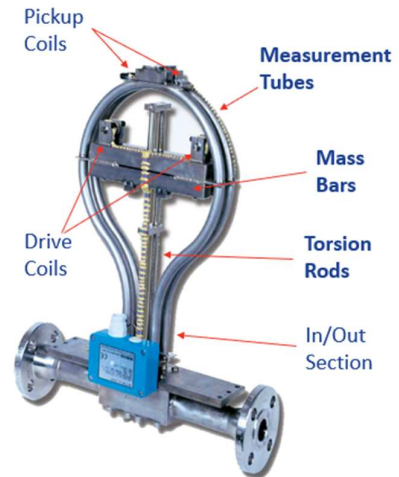
Rheonik Coriolis Mass Flow solutions for liquids, gas and sludge with the **unique Omega Design sensor**:

- **high pressure**, changing pressure, spikes or external vibration tensions
- **very low flow rates**, (big amplitudes, excellent signal to noise ratio)
- Harsh environments: **corrosive and abrasive media**
- applications with **entrained gas bubbles** in liquid streams
- Small footprints: **retrofitting**



As flow runs around the Omega tube perpendicular to the direction of oscillation, the Coriolis Force generated causes the measurement tubes to flex inwards or outwards, depending upon the direction of rotation:

- high wall thickness for high pressure & temperature
- stabilizing mass bar to reduce effects of external vibration
- energizing torsion rods for good accuracy at low flow



Features:

- Flow rates from 0.03 kg/h up to 1,500,000 kg/h
- Sizes up to 12" / DN300
- Pressure ratings up to 900bar
- Temperature ratings from -255°C to +400°C
- Wetted parts: stainless steel, Hastelloy, Monel and Tantalum
- ATEX, CSA approvals

Advantages:

- Low uncertainty (0.1-0.5%)
- Multifunctional: density, temperature
- Low maintenance – no moving parts
- No flow obstruction
- No straight inlet/outlet
- Unaffected by changing flow profiles, pressure, viscosity, velocity changes
- Mass output WYSIWYG



[more info](#)

