



S-E-G Instrument - Industrial weighing solutions

Mass Flow Meter - CO-B Series

Measuring based on the coriolis principle.



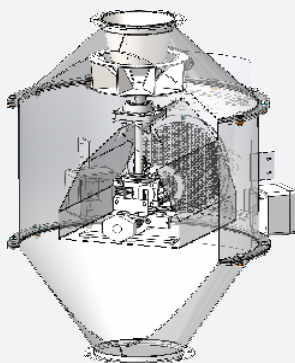
Mass Flow Meter

Mass acceleration for accurate flow measurement.

Materials like potash, milk powder, starch, wood pellets, granulates, and different types of minerals are often hard to weigh. The Mass Flow Meter uses mass acceleration instead of gravity to weigh, and can weigh many traditionally difficult materials, specially with fluctuating densities, with very high accuracy and repeatability.

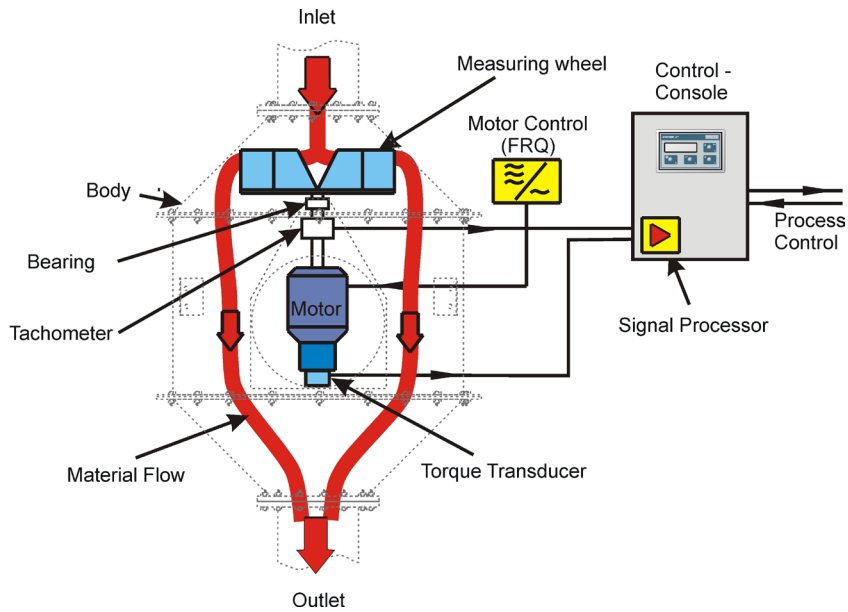
- The Mass Flow Meter can measure a flowrate from 1 t/h to 100 t/h with a maximum flow rate of 120000 l/h ~ 120 m³/h
- Material density down to 0,3 t/m³ and up to +100 C °
- Material size up to approx. 10 to 15 mm
- Accuracy down to 0,5 % and a repeatability of 0,1 %

Advantages



- Accurate measuring not affected by fluctuating material density and installation miscues.
- Easy inline installation: installed in a straight vertical material path. Optionally with a feeding device.
- Dust proof: Fully enclosed for a clean working environment and no fragile parts in contact with the material.
- Low maintenance: Few moving parts an a robust design assure stable calibration and long product life time.
- Modular design: Standardized modules for quick delivery and competitive prices.
- Reliable: Unmatched on long-term repeatability makes the Mass Flow Meter from SEG a good component choice in continuous measuring.

Technical specifications



Loading/unloading

Loading material to and from silos in predetermined quantities traditionally requires weighing of the entire silo.

The Mass Flow Meter offers a smart alternative. Using mass, not weight, it makes the mechanical installation less critical. Even mobile use without perfect vertical material path is possible.



Flow control

Keeping a constant flow rate for a long time is essential in many processes such as mineral processing. With minimal downtime and excellent long term stability the Mass Flow Meter can be online for very long periods, delivering the required flow within tight tolerances.

With true mass measuring, material, temperature and environmental variations do not result in the need of recalibration.



Continuous blending

Blending in fixed relation with other ingredients in a continuous process is easily handled. The Mass Flow Meter works with master control systems and accepts external set point in slave mode, it also contains a smart PID controller and can act as a master controller for the entire process.

With industry standard 4-20 mA in/output in addition to serial computer interfaces, it can cooperate with all types of equipment.



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We will help you find the solution suitable for your requirements.