

VA Flow for Acidic Chemicals

SGM VA Flow Meter for Chemicals, High Temperature and Pressure

- Gas and liquid flow - VA float principle
- stainless steel VA w. PTFE lining or fully PP/PVC
- Low Pressure Loss
- Indication via Magnetic Coupling
- Individually calibrated - medium specific scale
- Accuracy: $\pm 1.6\%$

The SGM gas and liquid flow meter series from Kirchner works on the variable area float principle. It provides instantaneous values for gas and liquid flow monitoring in pipelines with high temperature, pressure and highly acidic chemical liquids with low pressure loss. Since the vertical position of the float is transmitted magnetically to a dial gauge, the SGM, as opposed to standard type variable area flow meters with a glass tube, is also suitable for measuring the flow of opaque media.

Stainless Steel Version - for high temperature and pressure applications

opt. stainless steel with PTFE or TMF liner and ceramics

Size: DN 15, 25, 50, 80, 100 (opt. ANSI or JIS)

Max Pressure: PN 40 - PN16 (for DN 80, 100)

- SGM/VA stainless steel, media temperature -196 to 300°C
- SGM/C4 Hastelloy C4, media temperature -196 to 300°C



PP & PVC Version - for chemical applications

with highly acidic media, e.g. hydrochloric acid, cost-effective alternative to PTFE lining

Size: DN 25, 50, 65, 80, 100 (opt. ANSI or JIS)

Max Pressure: PN 16 - PN10 (for DN 65, 80, 100)

- SGM/PP Polypropylene, up to 80°C
- SGM/PVC Polyvinylchloride, up to 40°C



Options:

- Limit value switches
- Analog output 4 to 20 mA
- Explosion proof design and output (Ex) for VA and C4 version
- Horizontal installation