

VASOMETER®

Hygienic
flow metering

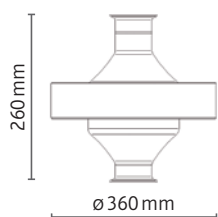
SIMPLE AND CLEAN MEASURING OF POWDER AND BULK MATERIALS

The innovative flow metering system for freely falling bulk material provides the ability to conduct an optimal control of process parameters in hygienically demanding areas. The dead-space-free stainless steel housing and the measuring cells located outside the measuring chamber enable an easy cleaning and sterilizing of the measuring device. This increases the efficiency of the plant without requiring an expansion of the measuring system.

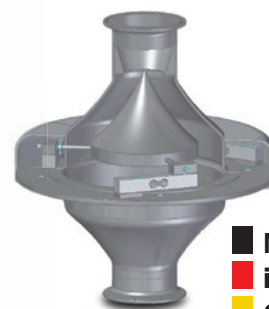
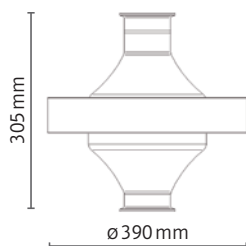
Operation

Powder and bulk solids are conveyed shock-free onto a concave measuring cone through a feed mechanism within the measuring device which acts as the device's sensor. The cone deflects the bulk material and generates a force. The downward acting component of the developing centripetal force is detected by a series of measuring cells which are located outside of the measuring chamber and transmit to a digital transducer. This measurement principle is able to achieve a measurement uncertainty of up to $\pm 0.5\%$ – a measurement accuracy of 99,5%.

$\dot{V} = 3 \text{ m}^3/\text{h}$



$\dot{V} = 6 \text{ m}^3/\text{h}$



Made
in
Germany

Your Benefits

- **Hygienic Design:** dead-space-free stainless steel housing and sensors mounted outside the measuring chamber.
- **Short downtimes:** opening of the measuring device or a lengthy disassembly are not required.
- **Validation without disassembly:** a process calibration maintains a high system availability.
- **Low maintenance** – no moving parts.
- **Easy retrofitting** into existing systems.
- Can also be used in **potentially explosive areas**.

Technical data

Sizes	3 m ³ /h 6 m ³ /h
Material	Stainless steel 1.4404
Accuracy class	0,5%
Max. permissible operating temperature	bis 140 °C
Connections	Tri-Clamp welding nozzle DIN 32676 series B
	Threaded end DIN 11851
	Threaded end DIN 11864-1
	Groove flange DIN 11864-2 form A

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