

VACOMASS® Aeration Control System

Air control valves, flow meter and control units

COMBIMASS® Products for Biogas Monitoring

Biogas flow meter, portable and stationary gas analyzer

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BinderGroup Ulm

Binder is a Member of



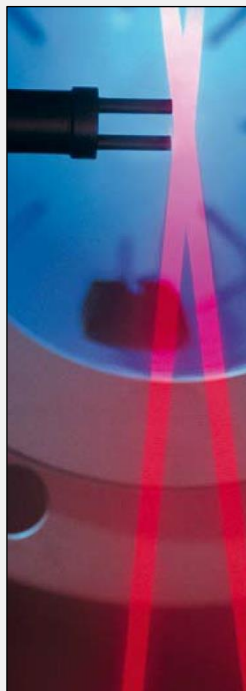


BINDER's main business is biogas flow metering and gas analysis, air flow metering and aeration control in WWTPs

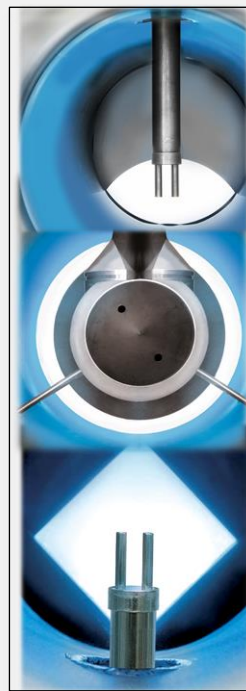
Gas Flow Measurement



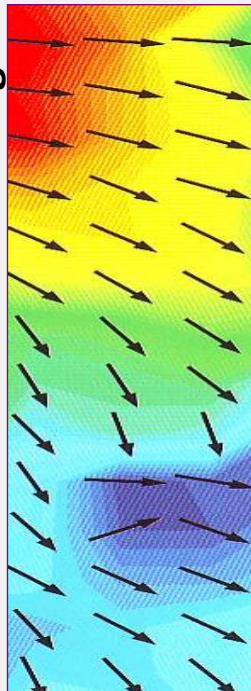
Real Gas Flow Calibration



Gas Flow Control



Flow Simulation & Conditioning

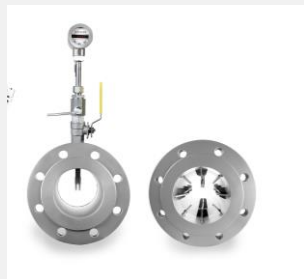


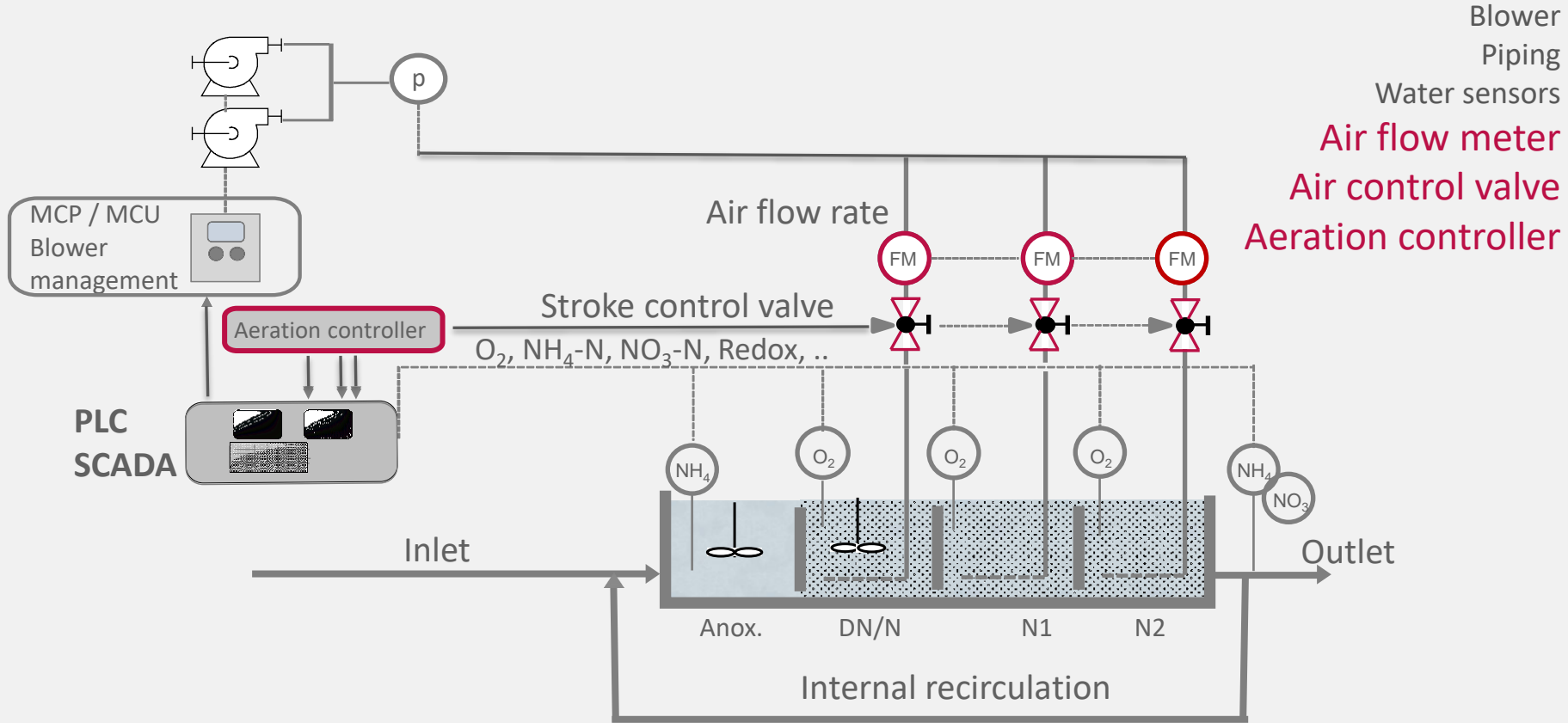
Gas Flow Analysis



World-wide use in sewage treatment plants

- Use in all continents
- For more than 20 years
- World-wide service

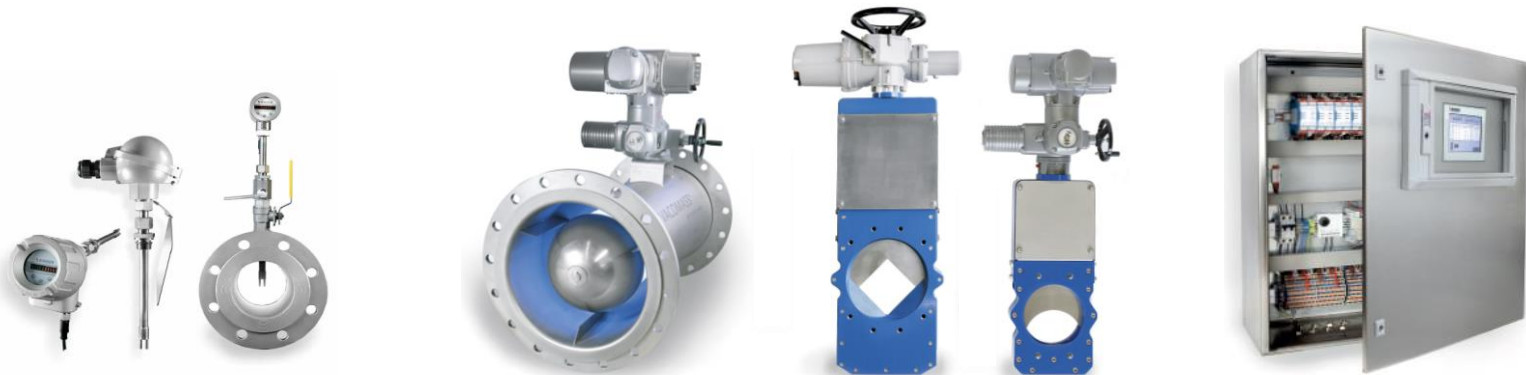






Aeration control system VACOMASS® series

- Task: measure, control & distribute air to the aeration tanks
 - Main goal: load-depending and precise
- high cleaning performance & process safety, low energy consumption
- Energy savings up to 30% vs. conventional systems
 - Best in „Return of Investment“ and „Life Cycle Costs“





Amsterdam (NL)



Auckland (NZ)



Singapore (SGP)



Milano (IT)



Gent (BE)



Vienna (AUT)



Arnhem (NL)



Dortmund (GER)



Ulm (GER)



Cleveland (USA)



Beijing (CHN)



Hamburg (GER)



Shaoxing (CHN)



Munich (GER)



Berlin (GER)



World-wide in many different applications

- Sewage treatment plants
- Agricultural anaerobic digester plants
- Solid waste (composting) plants
- Landfill plants
- Biogas upgrade plants
- Anaerobic pre-treatment of industrial sewage coming from food production

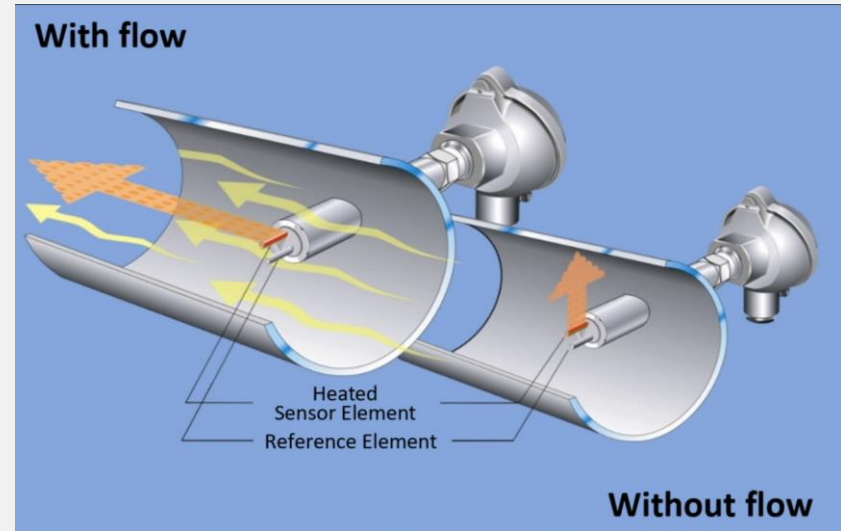
👉 **stable, safe** and **profitable** operation of your plant!





COMBIMASS® Thermal dispersion mass flow meter

- Principle: dispersed heat provides as reference for the amount of gas-molecules passing by
- Direct mass-flow measurement, according to DIN1343
- Material: high-grade stainless steel (316L/316Ti)

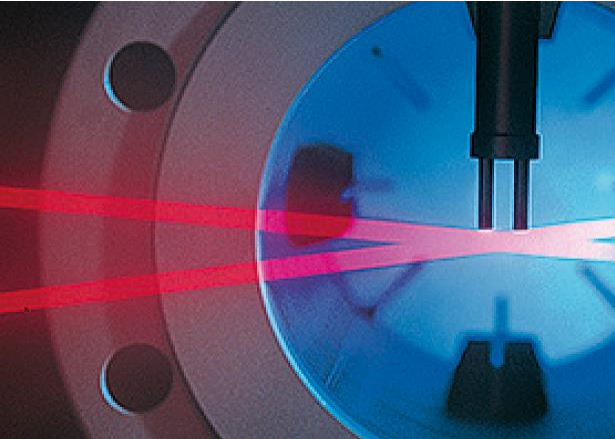


Analyzer systems of COMBIMASS® series

- Mobile analyzer type GA-m for biogas, digester and landfill gas
- Completely modular analyzer station GA-s hybrid:
 - Simple and standardized OEM-design hybrid eco with fixed configuration
 - Variable with the hybrid premium
 - Can provide best technical solution for each measuring task
 - Even for special applications: monitoring of exhaust air, syngas



Many thanks for your attention!



Any questions?

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