

APPLICATION NOTE A065-GP99 - INDUSTRIAL GAS AMMONIA

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The digital MASS-STREAM D-6300 series mass flow meters and controllers of Bronkhorst provide the most feasible solution for industrial gases like Ammonia (NH₃) with demanding characteristics.

Our mass flow meters and integrated controllers are equipped with stainless steel body (grade SS 316L) and EPDM sealing material. They can be used for gas flows up to 740 l/min NH₃ or up to 1000 l/min Air equivalent. The CTA (Constant Temperature Anemometry) thru-flow measurement with our inline sensor (no by-pass) is less sensitive to contamination.



Application requirements

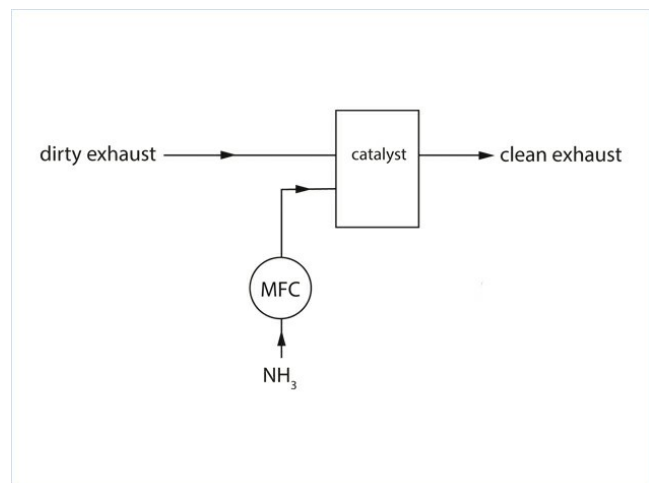
- Robustness
- Contamination resistivity
- High repeatability
- Easy to check actual flow
- Ingress protection class IP65

Industrial sectors

- Heat treatment
- NOx reduction in exhaust fumes
- Cooling applications
- Catalyst processes
- Fermenters

Optional features

- Multi-functional displays
- Additional interface
- Up to 8 calibration curves in one instrument
- Pressure rating up to 20 bar (g)
- Compression type fittings



Flow scheme

Recommended Products



MASS-STREAM D-6370 MFM

Min. flow 2...100 l/min
Max. flow 10...1000 l/min
Pressure rating up to 20 bar
Rugged sensor and housing (IP65)
Optional integrated TFT display



MASS-STREAM D-6341 MFC

Min. flow 0,14...7 l/min
Max. flow 1...50 l/min
Pressure rating up to 20 bar
Rugged sensor and housing (IP65)
Optional integrated TFT display



BRONKHORST USA INC.

57 South Commerce Way

Suite 120

USA - Bethlehem, PA 18017

Tel. [+1-610-866-6750](tel:+1-610-866-6750)

sales@bronkhorstusa.com