

DATASHEET APPLICATION NOTE A064-ME09-0916A - MEDICAL GAS CONSUMPTION AND COUNTING

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Medical Gas Consumption and Counting

Our **MASS-STREAM** mass flow meters and controllers are available for flow ranges from 10 ... 200 mln/min up to 500 ... 10000 l/min Air equivalent. The majority of instruments for gas consumption measurement are sold with our optional multi-functional display.

This application notes features improved management of medical gas consumption.



Medical applications

On primary networks

- Separated invoicing for hospital/clinics/laboratories departments sharing the same source of medical gas
- Monitoring and consumption data acquisition
- Leaks detection on gas line, on safety vent and on medical gas source

On secondary networks

- Independent gas consumption invoicing between the health institution departments
- Overconsumption and leak detection

Fields of application

- Hospital institutions and clinical installations
- Gas consumption and distribution
- Research laboratory
- Pharmaceutical industry
- Leakage detection in gas lines

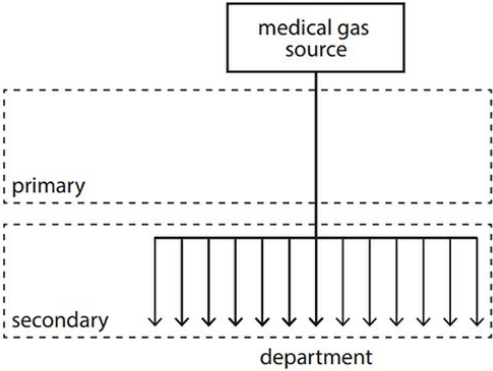
Process solution

Material features

- Wetted part: stainless steel 316 and EPDM
- Standard degreased instrument (for all gases)
- Electromagnetic compatibility (CE labeling)
- Thru-flow measurement (no by-pass)
- No moving parts inside
- Optional fittings in stainless steel
- Optional display

Available gases

- Medical air
- Nitrogen N₂
- Oxygen O₂
- Nitrous Oxide N₂O
- Carbon Dioxide CO₂
- ...



Schematical drawing

Would you like more information about direct through-flow?

Recommended Products



MASS-STREAM D-6310 MFM

Min. flow 0,01...0,2 l/min
Max. flow 0,1...2 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

Would you like to know more?

Stay up to date with the latest developments in high tech with our newsletter.



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