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 ln/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 N_2
- Oxygen O_2
- Nitrous Oxide N_2O
- Carbon Dioxide CO_2
- ...
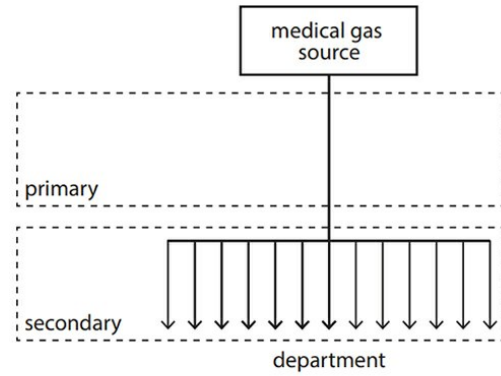
Schematical drawing

Recommended Products

MASS-STREAM D-6310 MFM

Min. flow 0,01…0,2 ln/min
Max. flow 0,1…2 ln/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 ln/min
Max. flow 1…50 ln/min

Pressure rating up to 20 bar

Rugged sensor and housing (IP65)

Optional integrated TFT display

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