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24.04	Category:	<input type="checkbox"/> Reseller	<input type="checkbox"/> End-user	<input checked="" type="checkbox"/> Other
Note:				

written note / application

Medical application O₂ - control

Mass flowmeter (MCF-Application):

MCFXXX0ARND0100X0 Massendurchflussmesser MCF-Series (N₂, Air)

Code Description

MCF

- 008 2-200 nl/min, Pipe size 8A (1/4" Rc ISO 7/1)
- 015 5-500 nl/min, Pipe size 15A (1/2" Rc ISO 7/1)
- 025 30-3000 nl/min, Pipe size 25A (1" Rc ISO 7/1)
- 040 60-6000 nl/min, Pipe size 40A (1 1/2" Rc ISO 7/1)
- 050 120-12000 nl/min, Pipe size 50A (2" Rc ISO 7/1)
- 0 Massendurchflussmesser
- A Werkstoff Messrohr: Aluminiumlegierung
- R Rc-Gewinde
- N Luft / Stickstoff
- D01 Spannungsversorgung 24 VDC / Ausgang: 4-20 mA
Puls- bzw. Schaltausgang (Open collector)
- 0 Keine Option
- 0 Keine Option
- 0 Ohne Inspektionszertifikat
- D mit Inspektionszertifikat (Werksprüfzeugnis)
- 0 Produkt Version

They use Bürkert flow-
meters HTM for O₂
(we can replace) → ①
and looking for flow-
switch for O₂ - minimum
flow control ②

can be
included
in
system

Flow

Mass flowmeter (Application):

CMS, MQV, MPC, MVF

Technical Data:

- Process gases (Air/N₂/O₂/Ar/CO₂/CH₄/C₂H₂/C₂H₄/H₂/He)
- Flow rate range (0.5/2/5/10/20/50/100/200/500/1000/2000) (SL/min):
- NL/min = 0.9318 x SL/min =
- Accuracy (% FS):
- Humidity+particles:
- Range: 100:1
- Pressure (bar, 100 kPa):
- Differential pressure (MQV):
- Gas-Temperature (°C):
- Output signal (0-5V, 1-5V, 4-20mA):
- Communication (RS485 if SUS316 or H₂/He):
- Power supply: 24 VDC
- Pipe connection (RC1/4, 1/4 Swt, 1/4 VCR, 9/16-18 UNF):
- Display (Intergal, Remote):
- Material (PBT resin, SUS304/316 SUS316):
- Certificates/Approvals:
- Cable length (2m, 5 m):
- Pieces:
- Target price:
- Special:

95%

Bracket

① 50 ^l/_h - 50 ^l/_h

Flow

O₂ (95%)

(actually Bürkert)

② Switch for O₂

5-50 ^l/_h

Switch for

Alarm
small flow

Responsibility:

- T. Bohez
- Martin
- Ogihara