

CNGmass D8CB coriolis-flowmeter

Tanktoepassing-flowmeter met eenvoudige systeemintegratie



Meer informatie en actuele prijzen:

www.be.endress.com/D8CB

Voordelen:

- Uitstekende operationele veiligheid – betrouwbaar onder extreme procesomstandigheden
- Minder procesmeetpunten – multivariabele meting (flow, dichtheid, temperatuur)
- Ruimtebesparende installatie – geen in-/uitlaatlengten
- Ruimtebesparende transmitter – volledige functionaliteit in een zeer kleine ruimte
- Snelle inbedrijfstelling – vooringestelde instrumenten
- Automatisch herstel van gegevens voor onderhoud

Overzicht specificaties

- **Max. meetfout** Mass flow: ± 0.5 % of batch
- **Measuring range** 0 to 150 kg/min (0 to 330 lb/min)
- **Medium temperature range** -50 to $+125$ °C (-58 to $+257$ °F)
- **Max. process pressure** 350 bar (5080 psi)
- **Wetted materials** Measuring tube: 1.4435 (316L) Connection: 1.4404 (316/316L)

Toepassingsgebied: De markt voor aardgas groeit nog steeds! Samengeperst aardgas is inmiddels een alternatieve brandstof voor voertuigen. Samengeperst aardgas wordt ook beschouwd als de schoonste brandstof voor verbrandingsmotoren. De nieuwe CNGmass is speciaal ontworpen voor dispensers. Met deze coriolis-flowmeter kan de massaflow met maximale nauwkeurigheid worden gemeten – onafhankelijk van druk en temperatuur.

Kenmerken en specificaties

Gas

Meetprincipe

Coriolis

Product headline

The refueling application flowmeter with seamless system integration. Accurate measurement of compressed natural gas (CNG) in high pressure refueling applications.

Sensor features

Excellent operational safety – reliable under extreme process conditions. Fewer process measuring points – multivariable measurement (flow, density, temperature). Space - saving installation – no in/outlet run needs. Flow rates up to 150 kg/min (330 lb/min). Process pressure up to 350 bar (5080 psi).

Transmitter features

Space - saving transmitter – full functionality on the smallest footprint. Fast commissioning – pre - configured devices. Automatic recovery of data for servicing. Robust, compact transmitter housing. Modbus RS485.

Nominal diameter range

DN 8 to 25 (3/8 to 1")

Wetted materials

Measuring tube: 1.4435 (316L)
Connection: 1.4404 (316/316L)

Measured variables

Mass flow, density, temperature, volume flow, corrected volume flow, reference density

Max. meetfout

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Measuring range

0 to 150 kg/min (0 to 330 lb/min)

Max. process pressure

350 bar (5080 psi)

Gas

Medium temperature range

-50 to +125 °C (-58 to +257 °F)

Ambient temperature range

-40 to +60 °C (-40 to +140 °F)

Sensor housing material

1.4301 (304), corrosion resistant

Transmitter housing material

AlSi10Mg, coated

Degree of protection

IP66/67, type 4X enclosure

Display/Operation

No local operation

Configuration via operating tools possible

Outputs

None

Inputs

None

Digital communication

Modbus RS485

Power supply

DC 20 to 30 V

Hazardous area approvals

ATEX, IECEx, cCSAus, NEPSI, INMETRO

Other approvals and certificates

3.1 material, calibration performed on accredited calibration facilities
(acc. to ISO/IEC 17025)

CRN

Liquids

Meetprincipe

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Metrological approvals and certificates

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Liquids

Pressure approvals and certificates

CRN

Material certificates

3.1 material

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