Coriolis mass flowmeter CoriolisMaster FCH130 and FCH150

Basic Information

- Brand Name: ABB
- Model Number: FCH130 and FCH150

Product Specification

- Accuracy: High
- Communication Protocol: HART, PROFIBUS, FOUNDATION Fieldbus
- Fluid: Gas, Liquid
- Installation Type: In-line, Insertion
- Material: Stainless Steel, Alloy Steel, Titanium
- Measuring Principle: Differential Pressure
- Output Signal: 4-20mA
- Pressure Range: 0-100Bar
- Process Connection: Flange, Thread, Sanitary
- Product Name: ABB Flow Measurement Products
- Product Type: Flow Measurement
- Range: Wide
- Temperature Range: 0-150
- Warranty: 1 Years
- Highlight: **coriolis mass flowmeter coriolismaster**,

Product Description

CoriolisMaster FCH100 series of compact hygienic system integration flowmeters feature low pressure drop, high flow capacity, high speed RS485 Modbus communication and 2 digital outputs.
The FCH100 series offers on top EHEDG certified cleanability with polished wetted materials.

Overview

With no up or downstream piping requirements the compact flowmeters can be installed in the tightest spaces, enabling applications not possible before.

The FCH100 series delivers:

EHEDG, hygienic certification

Superior accuracy and speed for filling applications

Full parameter access with up to 115 kBaud

Aluminum housing or all stainless steel solution

DTM based diagnostic and operability functions

The sensor delivers:

Multivariable measurement of mass flow, density and temperature in one device

Low pressure drop save 25 % on pump energy costs compared to other brands

Wide measurement span in a single meter

FCH150 adds:

DensiMass: High accuracy concentration measurement, watercut and net-oil computing as well as net-mass and net-volume measurement

FillMass: Filling application software with integrated precounter, over- and underfill correction and contact output for valve control

Data

General specifications:

Nominal sizes / measuring ranges

– DN 25 (1 in.) / 0 to 35,000 kg/h (77,162 lb/h)

– DN 50 (2 in.) / 0 to 90,000 kg/h (198,416 lb/h)

– DN 80 (3 in.) / 0 to 250,000 kg/h (551,156 lb/h)

Ex approvals

– ATEX zone 0/1/2, cFMus Div 1/2 and zone 0/1/2

Wetted materials

– 1.4404 / 1.4435 (316L)

Accuracy for liquids

FCH130

– Mass and volume: 0.4 % o. r. / 0.25 % o. r.

– Density: 10 g/l

FCH150

– Mass: 0.15 % o. r. / 0.1 % o. r., volume: 0.15 % o. r.

– Density: 2 g/l or 1 g/l

Measuring medium temperature

FCH130

– -50 to 160 °C (-58 to 320 °F)

FCH150

– -50 to 205 °C (-58 to 400 °F)

Outputs

– 2 digital out (pulse, frequency, contact)

– Modbus

Power supply

– 11 to 30 V DC

Our Clients:

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