

## MASS FLOW CONTROLLER QUANTIM, CORIOLIS

QUANTIM
Coriolis Mass Flow Controller QUANTIM

- For all gases and liquids
- Metal sealed
- Optical sensing technique enables accuracy at extreme low flows



## PRODUCT DESCRIPTION

Achieve superior accuracy and unmatched zero stability in ultra-low-flow gas and liquid measurement and control with the Quantim® Coriolis mass flow controllers and meters from Brooks Instrument. With the Quantim® series, Brooks has taken the lead in driving improvements in Coriolis flow technology: Our patented Quantim® Coriolis sensor design measures low flows independent of fluid type or process variables. The result: unsurpassed performance the most accurate, stable, repeatable and reproducible mass flow measurement and control, even under changing conditions.

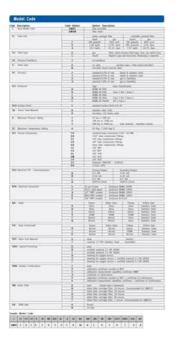
## Features:

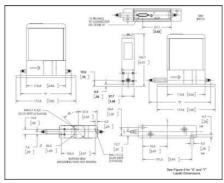
- True mass flow measurement
- · Accurate density measurement
- 100% of fluid flows through low-mass sensor tube (no bypass)
- The Quantim® Coriolis series' proprietary optical sensing technique enables accuracy at extreme low flows
- Measures both liquids and gases over a wide flow range
- Coplanar valve delivers super-fast response times
- The Quantim® Coriolis series' offers the smallest, lowest-flow Coriolis meter and controller available on the market
- Measures and outputs two of four parameters: mass flow, volumetric flow, temperature, density
- Independent diagnostic/service port and user display
- Variety of material options, enclosure types and area classifications available

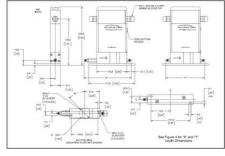
## **SPECIFICATIONS**

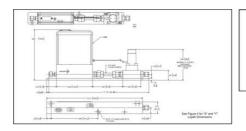
Approvals	EMC Directive 89/336EEC per EN 50081-2 and EN 61326-1, II 2 G EEx d IIB T6 and II 2 D T 85OC per EN 50014, EN 50018 and EN 50281-1-1, II 3 G EEx nA II T4 and II 3D T 135 C per EN 60079-15: 2003 and EN 50281-1-1: 1998 + A1, KEMA 04ATEX1241 X II3G EEx nA II T4 per EN 60070-15: 2003, Pressure Equipment Directive
Control range	1-100 %
Density Range Max	2 g/cm³
Density Range Min	0,2 g/cm <sup>3</sup>
IP Class	IP40, IP66, IP66XP

Lowest flow	10-27000 gr/h
Material of seals	EPDM, Buna, Kalrez, Neoprene, Viton
Materials Wetted Parts	Hastelloy, Stainless steel 17-7 PH, Stainless steel 316
Pressure Range Max	300 bar
Response time	<0.5s - <2 s
Temperature range from	5 °C
Temperature range of media to	65 °C
Temperature range to	65 °C
Valve type	NC

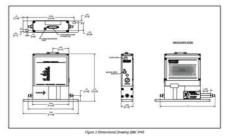












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