

## 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:

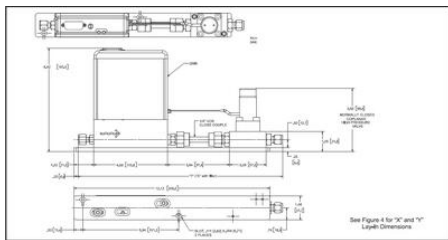
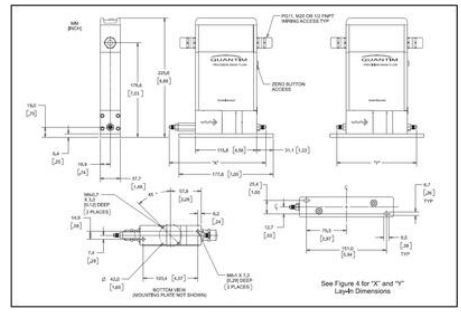
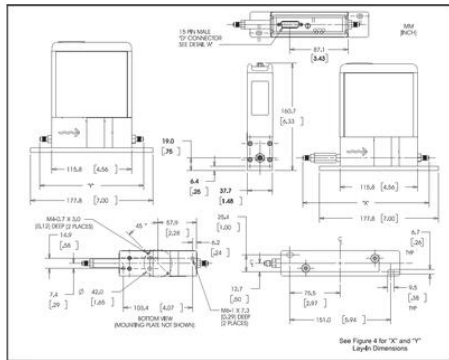
- True mass flow measurement
- Accurate density measurement
- 100% of fluid flows through low-mass sensor tube (no bypass)
- The Quantim® Coriolis series' proprietary optical sensing technique enables accuracy at extreme low flows
- Measures both liquids and gases over a wide flow range
- Coplanar valve 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

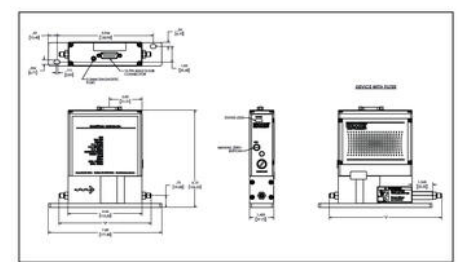
<b>Approvals</b>	EMC Directive 89/336EEC per EN 50081-2 and EN 61326-1, II 2 G EEx d IIB T6 and II 2 D T 85OC per EN 50014, EN 50018 and EN 50281-1-1, II 3 G EEx nA II T4 and II 3D T 135 C per EN 60079-15: 2003 and EN 50281-1-1: 1998 + A1, KEMA 04ATEX1241 X II3G EEx nA II T4 per EN 60070-15: 2003, Pressure Equipment Directive
<b>Control range</b>	1-100 %
<b>Density Range Max</b>	2 g/cm <sup>3</sup>
<b>Density Range Min</b>	0.2 g/cm <sup>3</sup>
<b>IP Class</b>	IP40, IP66, IP66XP
<b>Lowest flow</b>	10-27000 gr/h

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

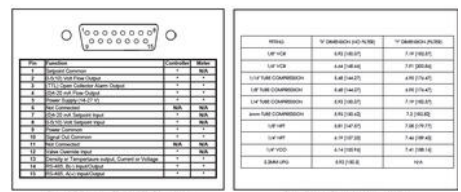
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