

MASS FLOW CONTROLLER QUANTIM, CORIOLIS

QMCC4

BROOKS

- · 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.

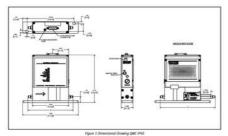
Features:

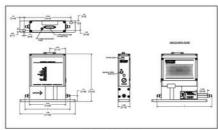
- True mass flow measurement
- · Accurate density measurement
- 100% of fluid flows through low-mass sensor tube (no bypass)
- The Quantim® Coriolis series' proprietary optical sensing technique enables accuracy at extreme low flows
- Measures both liquids and gases over a wide flow range
- Coplanar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

Density Range Max	2 g/cm³
Density Range Min	0 g/cm³
Differential Pressure Max	13 bar
Differential Pressure Min	0.7 bar
Pressure Range Max	310 bar
Response time	<2 s
Supply Voltage DC Max	27 V DC

Supply Voltage DC Min	14 V DC
Surface Finish	32 µm Ra
Temperature range from	0°C
Temperature range of media from	0 °C
Temperature range of media to	60 °C
Temperature range to	60 °C
Valve type	NC





Pin.	Vanction	Combroller	Market
1	England Convenor		NA
Ŧ	S.O.YO.YO. Flow Cusput		
7	ETTL: Open Gollector Alarm Output		
	\$04.00 nA Flor-Output		
	Prover Supply CN (27 Y)	-	
4	Parl Connected	NA.	NA
7	\$04.00 nA Selpott bank	,	NA
	\$10.00 Vot Septer Vput	4	- NA
	Power Common		
10	Signal Out Common		
**	Pair Cornected	N/A	NA
4	Come Committe Provid		NA.
13:	Density of Temperiaure output, Current or Voltage		
14	PCS-460, Book Paper Chapter		

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OF YOR	empers	Serpeats.
Union	6.04(14E46)	7.FF DEDAG
I/WTURE COMPRESSION	8.48(144.27)	470 [79.47]
LAT TUBE COMPRESSION	6.00 (144.27)	4897645
LIV TUBE COMPRESSION	.003(0035)	7,419845
энн Тийг сомимовон	1463/645	1316080
1/8148	10/14/65	78619975
SWIME	4.919738	14 per els
1/4/00	414(10010)	termie:
13MH IPG	4807964	10A

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1	Seguent Common	1	905
F	Library Vot Flow Gugue		
7	TTL: Open Collector Alarm Dulput		
*	CA-35 AA Flor-Dugal		
	Prover Supply (14-27-1)		- A
4	Next Connected	NA.	NA
1	ECA-20 eA Seport treat	,	NA.
	\$10.50 Vot Sequet Vot	- +	MA.
+	Power Correcce		
19	Signal Out Common		
**	Not Consided	NA	N/A
12	Carea Covernole Popul	4	NA.
13:	Density or Temperisons output, Current or Voltage	1	
14	\$15-465, Box Report Compart		
	\$15-A65, ACC YES/FORGER		

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		OF YOR	expens	Corporate.
unboller	Mater	(AFT)CB	SAMPHENE.	7.81 pecas
-		LINE COMPRESSOR	848(14427)	489 (79.4%)
÷	-	LIFTURE COMPRESSION	649 (14427)	4897645
NA.	-	LH TURE COMPRESSON	.003(635)	7,99945
-	NA NA	aver fuel coverageon	160(1640)	13 (46.80)
1	max.	NEWS.	88134585	7.06 (1/9/75)
1.	-	N/WT	a reported	7.44 (199.4E)
NA.	MA.	1/4/00	414(16)16)	hepmie.
1	-	13AVUNG	440 (166.8)	N/A
-	-	-		