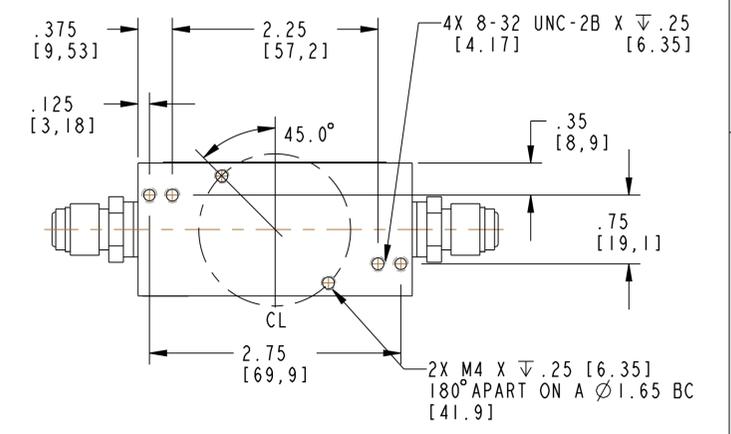
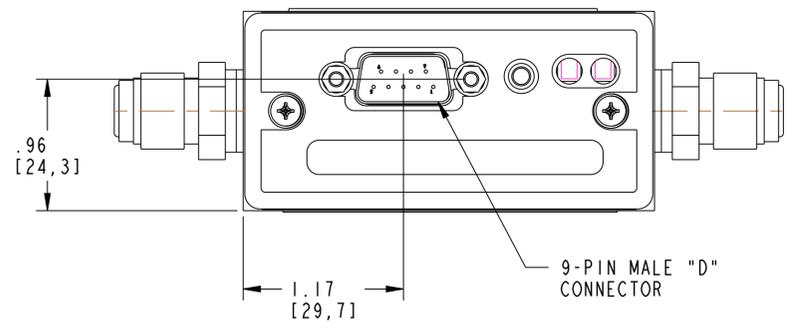
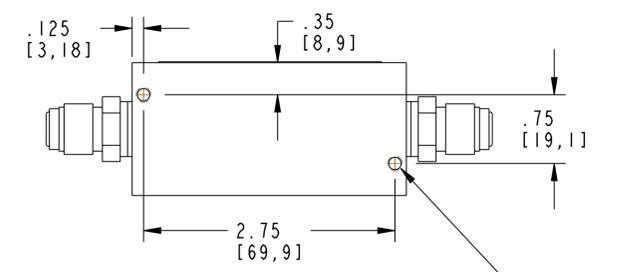


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LTR	DESCRIPTION	BY/CHK'D	APP'D	DATE
A	REL TO PRODUCTION	EO MVI-014998	MC	7-22-13
B	ADDED SHT 6	EO MVI-016008	MC	1-23-14
C	CORRECTED RS485 CONNECTION DIAGRAM	EOMVI-016464	MC	5-5-14

9-PIN DIGITAL RS-485	
PIN	SIGNAL
1	POWER & SIGNAL COMMON
2	+11 TO 25 VDC POWER IN
3	NO CONNECTION
4	NO CONNECTION
5	B/B' (RS485+)
6	NO CONNECTION
7	RS485 COMMON
8	SHIELD
9	A/A' (RS485-)



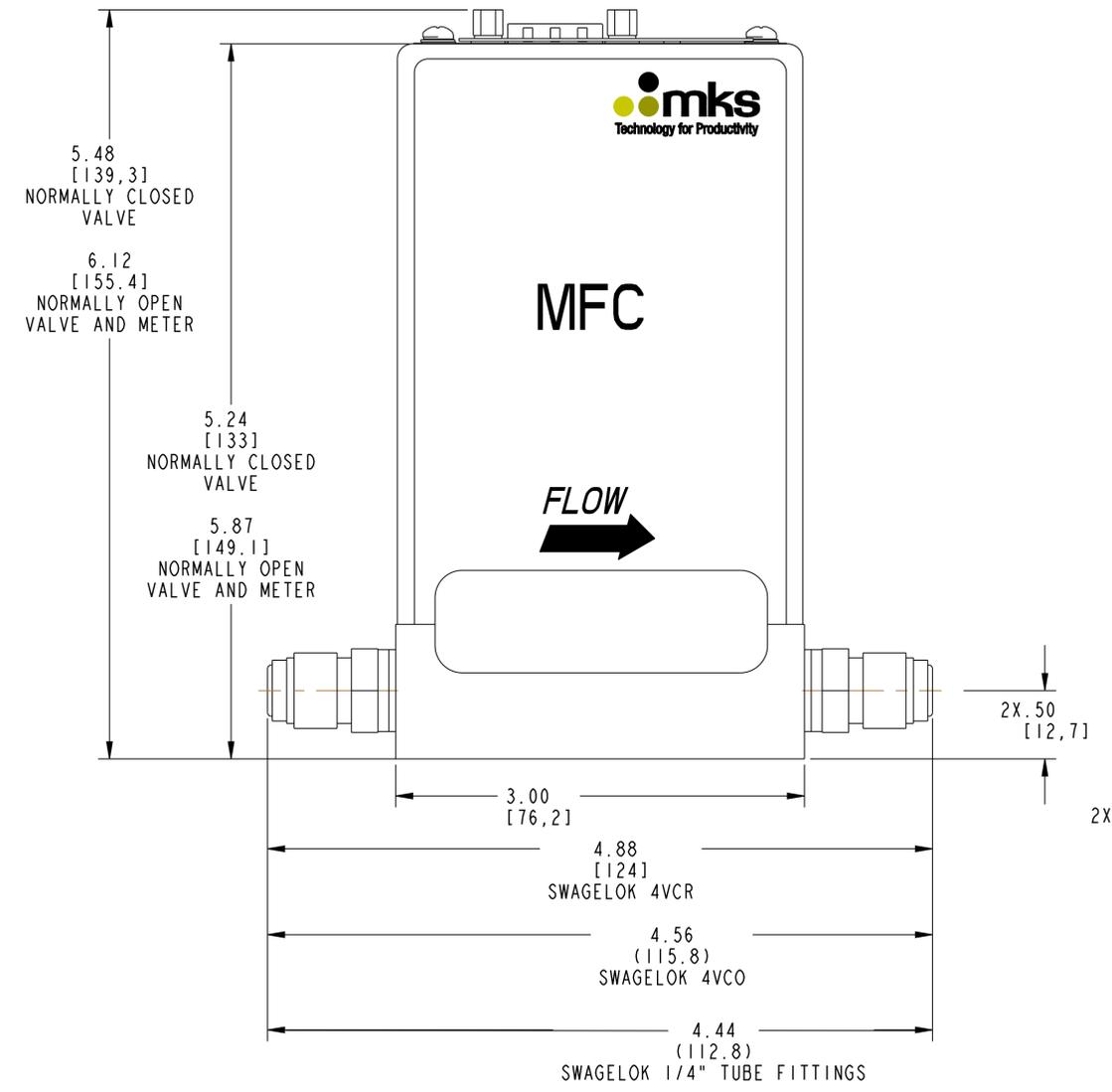
GM50A MOUNTING HOLES



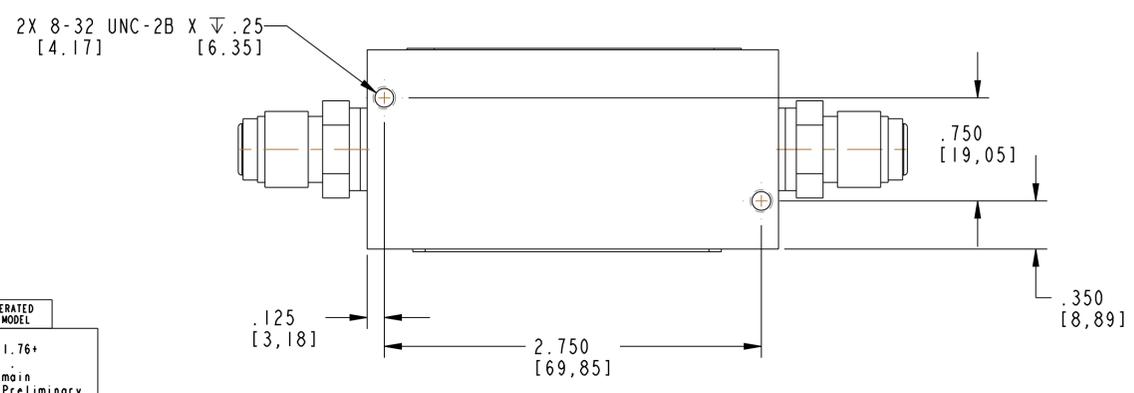
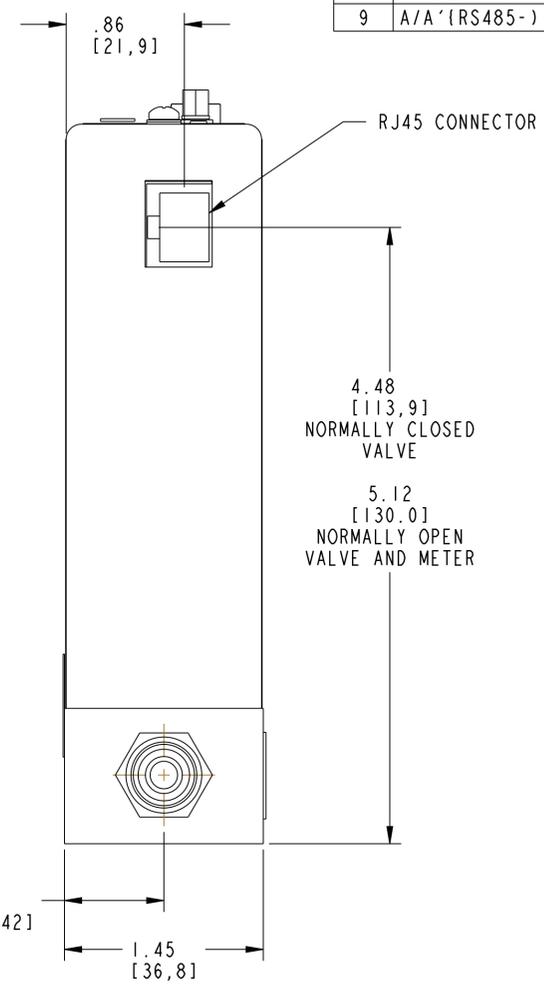
GE50A MOUNTING HOLES

NOTES:

- UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE NOMINAL VALUES IN INCHES (MM REFERENCED).
- ALL DIMENSIONS NOT CALLED FOR THE DEVICENET, ANALOG, PROFIBUS AND 4-20 UNITS ARE THE SAME AS THE RS-485.



9-PIN RS-485 VERSION WITH 4VCR & VCO FITTINGS

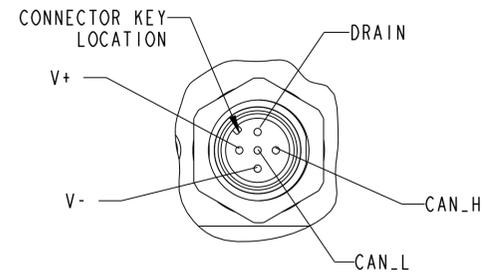


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 MODEL REV: 1.76+
 DRAWING REV: main
 BRANCH: main
 RELEASE LEVEL: Preliminary

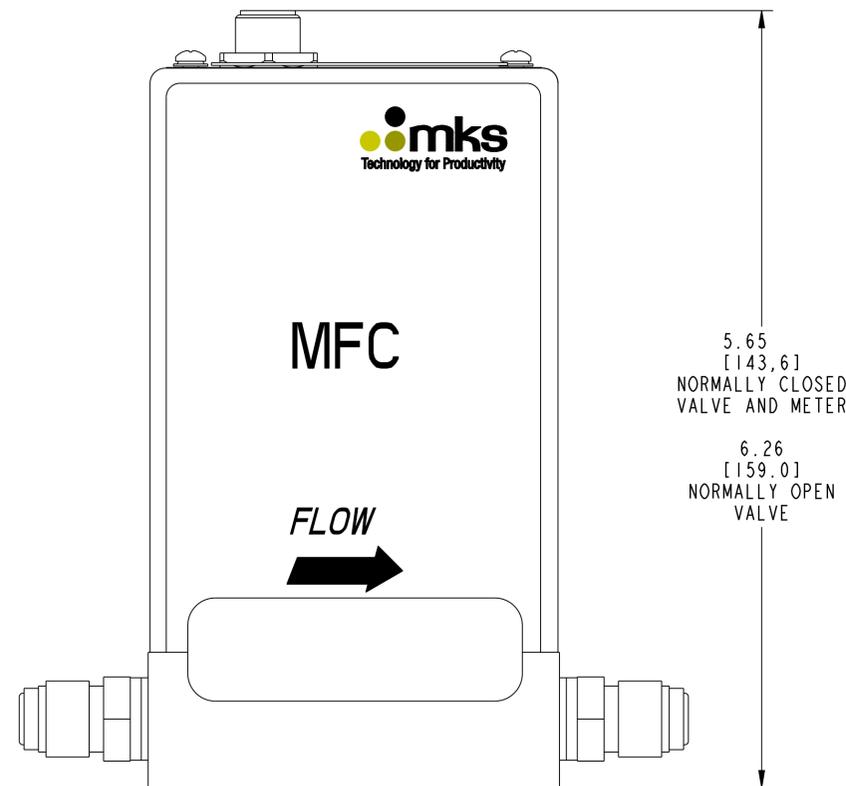
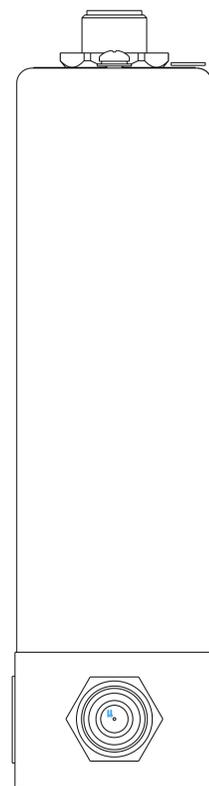
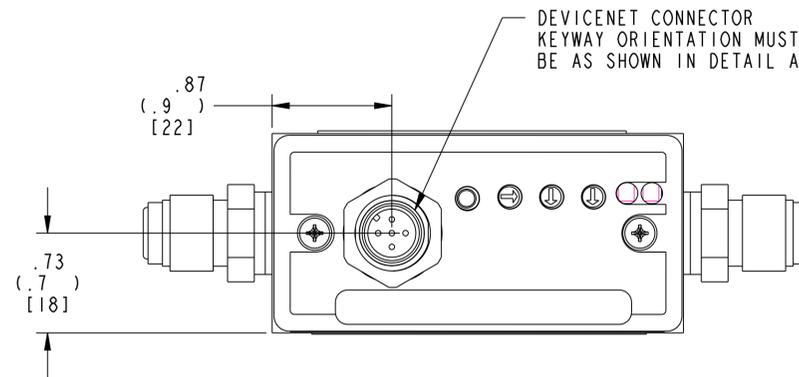
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001	ITEM	PART NO.	DESCRIPTION	REMARKS
LIST OF MATERIALS				
QTY				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES:		DRAWN M. COCKROFT	DATE 18-Apr-11	
X.X	±0.1	 ANDOVER, MA. USA. TITLE OUTLINE DRAWING "G" SERIES MFC		
X.XX	±0.01			
X.XXX	±0.001			
X.X ^o	±0.5			
SURFACE QUALITY MAX				
DIMENSIONAL LIMITS APPLY BEFORE COATING				
THIRD ANGLE PROJECTION				
FIRST USED IN DESIGNED FOR				
DIST. -		SIZE D	DWG NO. 1042297	
SCALE NONE		SHT 1 OF 6		

REVISIONS				
LTR	DESCRIPTIONS	BY/CHK'D	APP'D	DATE
	SEE SHEET 1			



DETAIL A
DEVICENET PINOUT

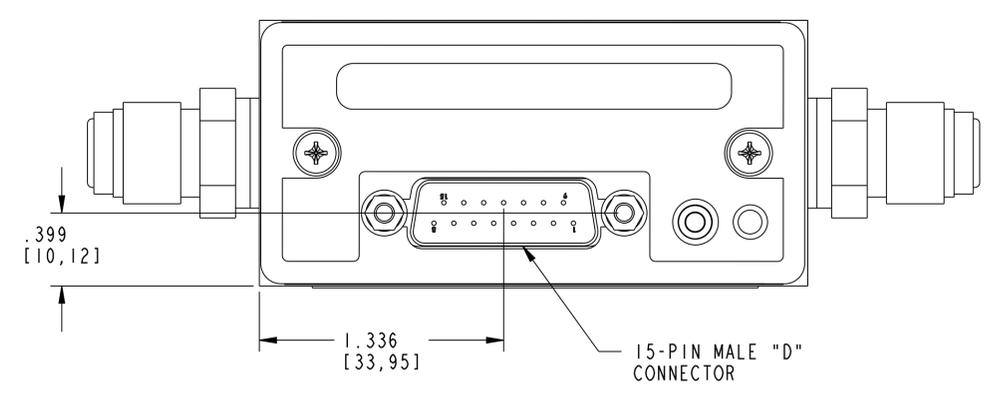
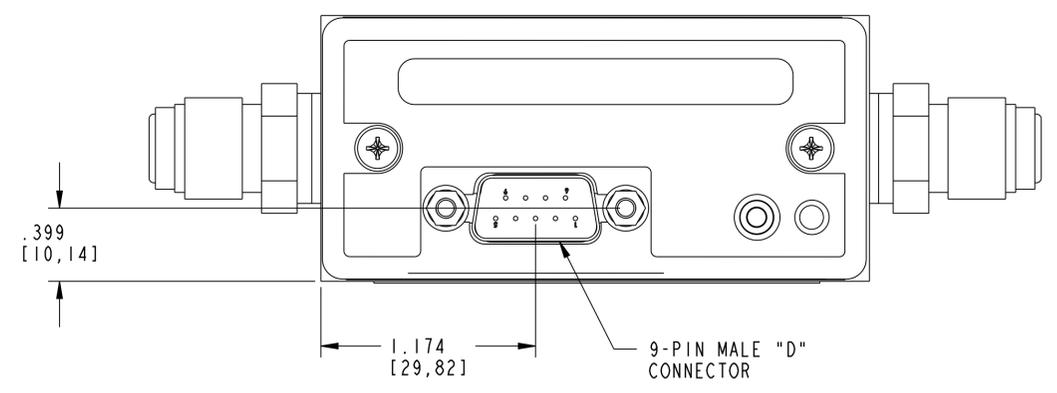


DEVICENET VERSION
SEE NOTE 2 ON SHT 1

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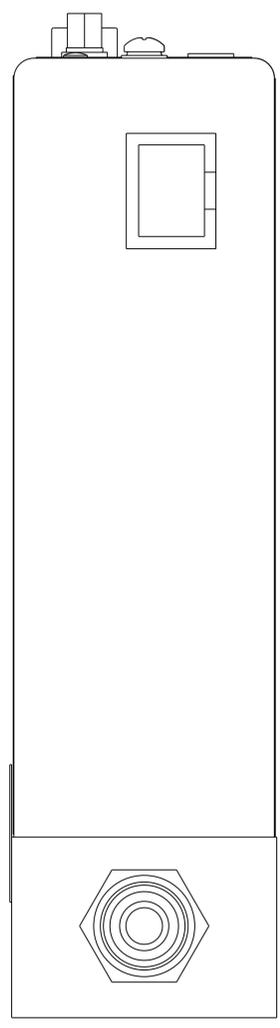
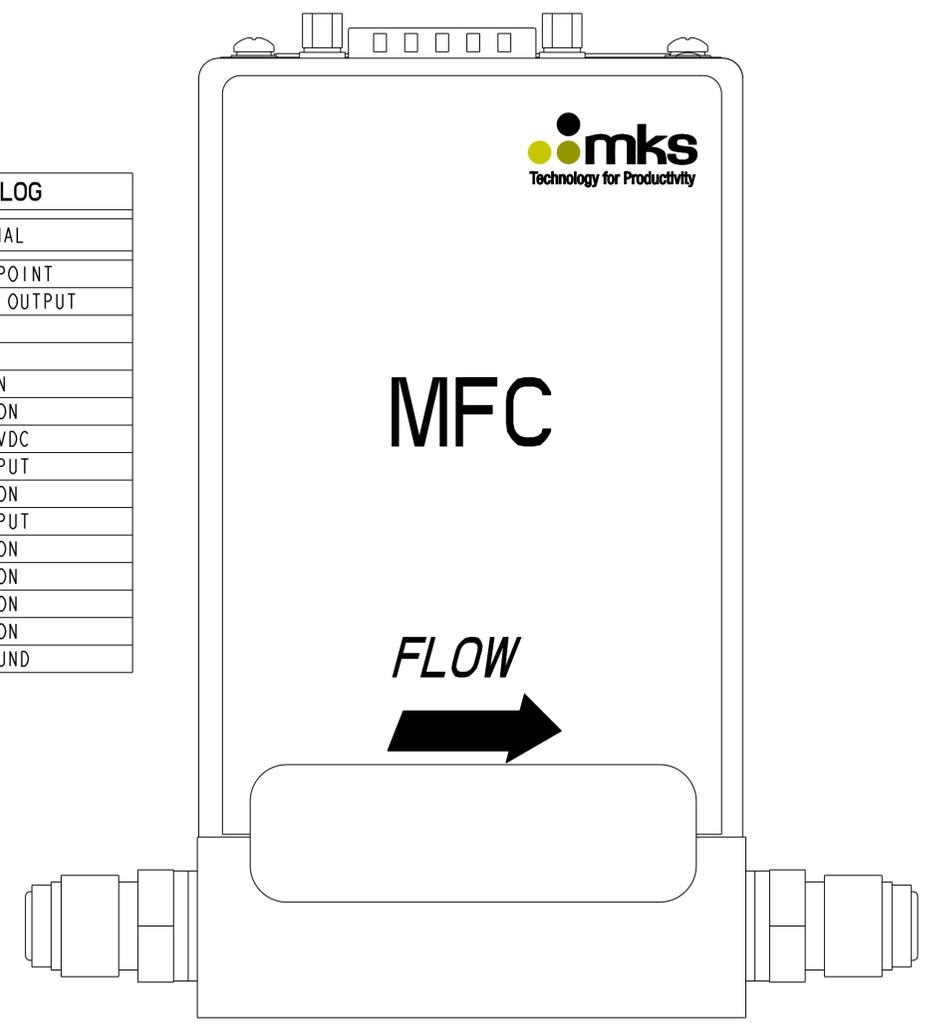
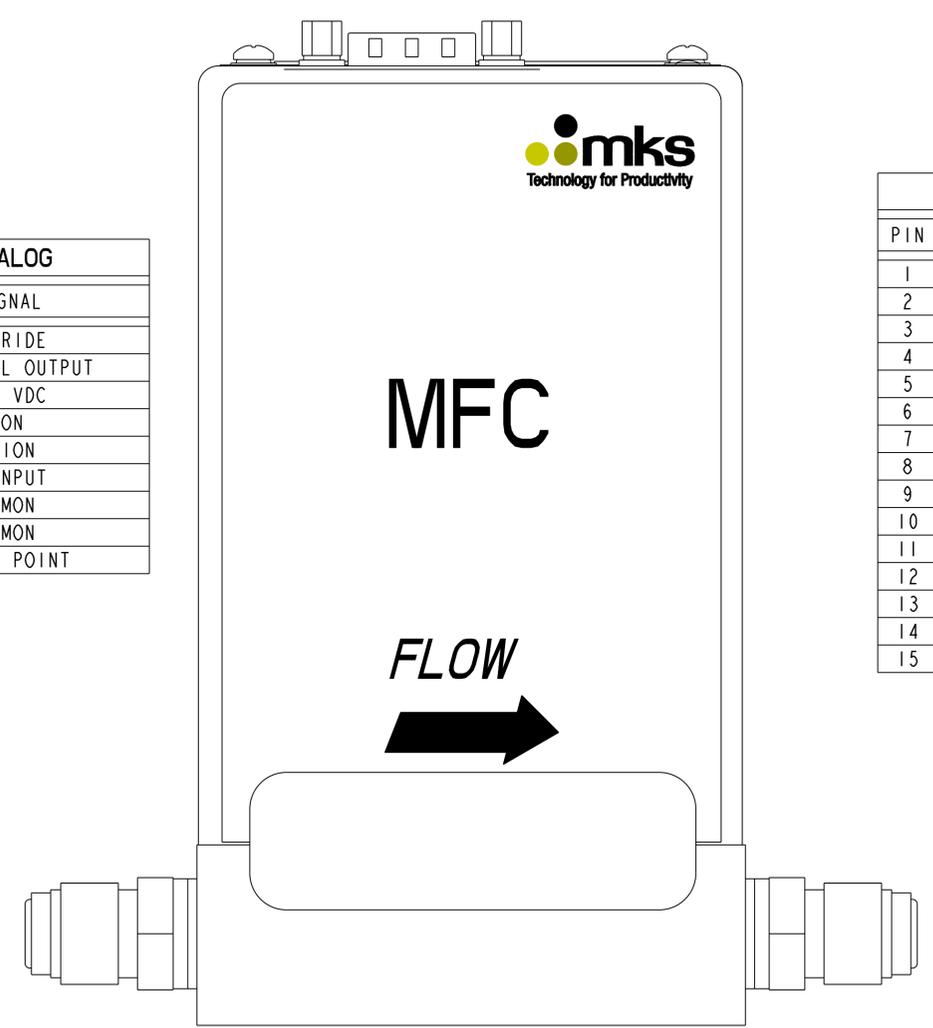
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TITLE OUTLINE DRAWING "G" SERIES MFC DEVICENET VERSION			
DIST. SHT 1	SIZE D	DWG NO. 1042297	REV C
SCALE NONE		SHT 2 OF 6	

REVISIONS				
LTR	DESCRIPTIONS	BY/CHK'D	APP'D	DATE
	SEE SHEET 1			



9-PIN ANALOG	
PIN	SIGNAL
1	VALVE OVERRIDE
2	FLOW SIGNAL OUTPUT
3	+15 TO +24 VDC
4	POWER COMMON
5	NO CONNECTION
6	SETPOINT INPUT
7	SIGNAL COMMON
8	SIGNAL COMMON
9	VALVE TEST POINT

15-PIN ANALOG	
PIN	SIGNAL
1	VALVE TEST POINT
2	FLOW SIGNAL OUTPUT
3	VALVE CLOSE
4	VALVE OPEN
5	POWER COMMON
6	NO CONNECTION
7	+15 TO +24 VDC
8	SETPOINT INPUT
9	NO CONNECTION
10	OPTIONAL INPUT
11	SIGNAL COMMON
12	SIGNAL COMMON
13	NO CONNECTION
14	NO CONNECTION
15	CHASSIS GROUND



ANALOG VERSIONS
SEE NOTE 2 ON SHT 1

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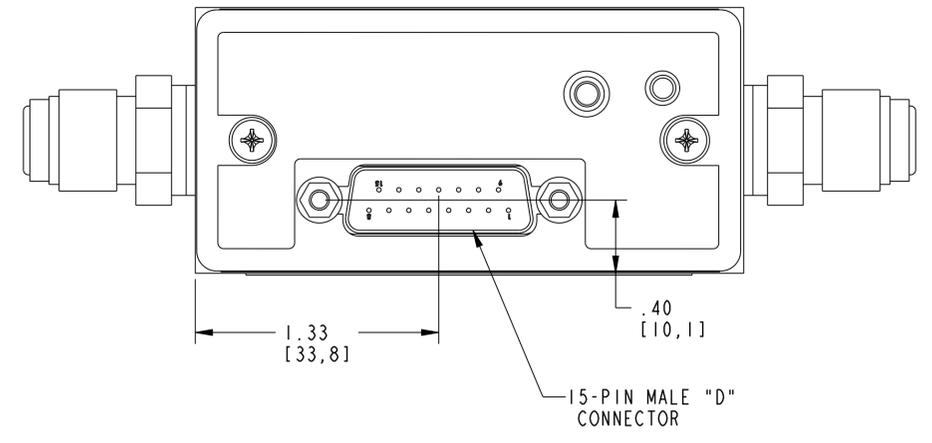
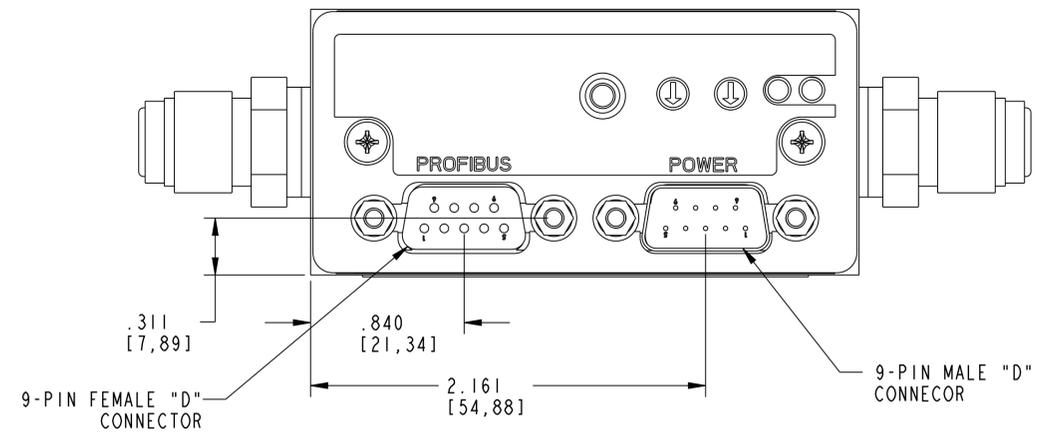
ANDOVER, MA. USA.

TITLE
**OUTLINE DRAWING
"G" SERIES MFC
ANALOG 9 & 15-PIN**

DIST. SHT 1	SIZE D	DWG NO. 1042297	REV C
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SCALE NONE SHT 3 OF 6

REVISIONS				
LTR	DESCRIPTIONS	BY/CHK'D	APP'D	DATE
	SEE SHEET 1			



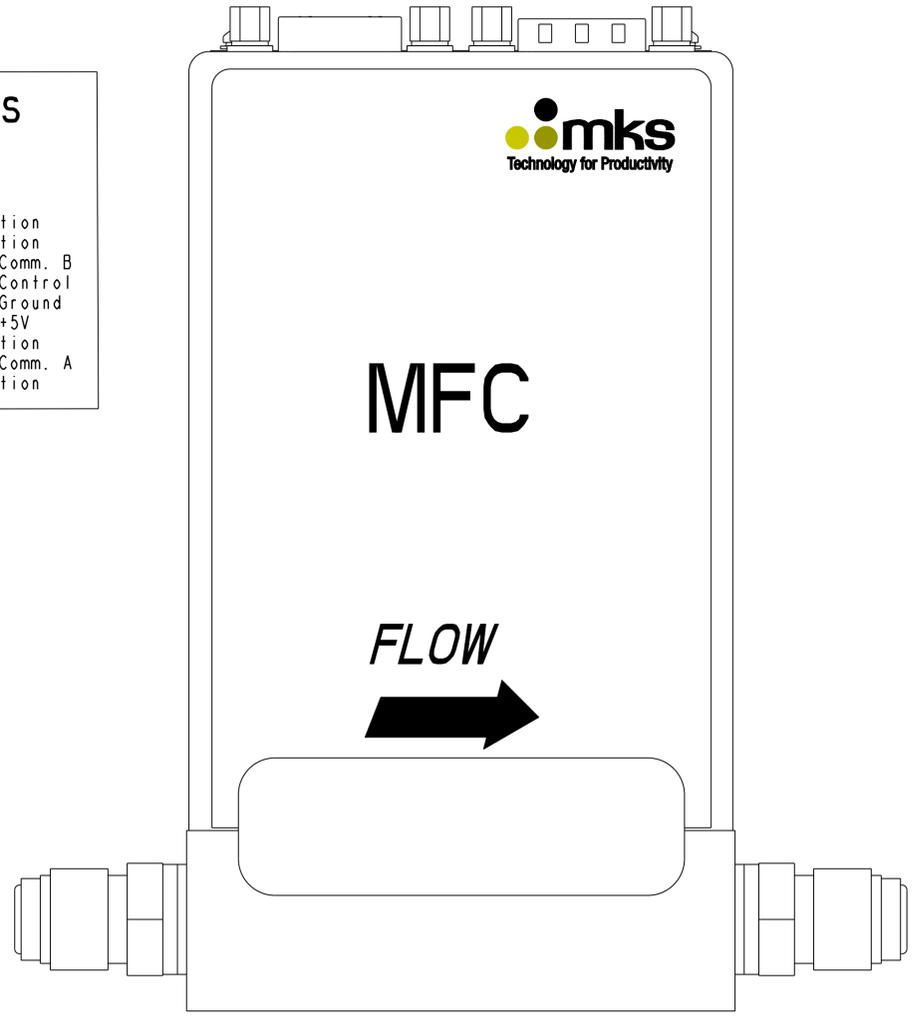
POWER		PROFIBUS	
PIN	SIGNAL	PIN	SIGNAL
1	No Connection	1	No Connection
2	No Connection	2	No Connection
3	Power +	3	Profibus Comm. B
4	No Connection	4	Repeater Control
5	Power Return	5	Profibus Ground
6	No Connection	6	Profibus +5V
7	No Connection	7	No Connection
8	No Connection	8	Profibus Comm. A
9	No Connection	9	No Connection

PROFIBUS CONNECTOR
PINOUTS

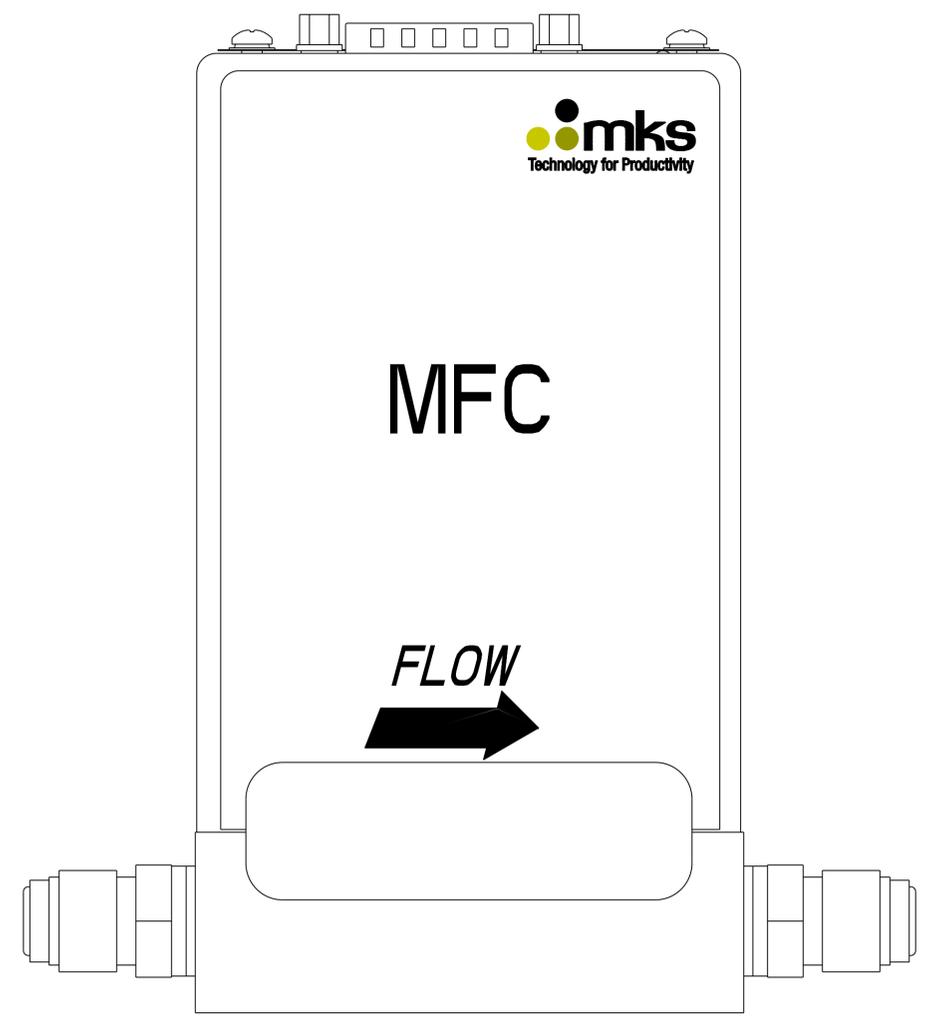
4-20mA

PIN	SIGNAL
1	* Setpoint Input Return
2	No Connection
3	No Connection
4	Flow Output Current (4-20 mA)
5	+15 to +28 VDC
6	No Connection
7	* Setpoint Input Current (4-20 mA)
8	No Connection
9	Power Common
10	Flow Output Return
11	No Connection
12	* Valve Override Input
13	No Connection
14	Chassis Ground
15	No Connection

* Not Applicable For MFM



PROFIBUS VERSION
SEE NOTE 2 ON SHT 1



4-20 VERSION
SEE NOTE 2 ON SHT 1

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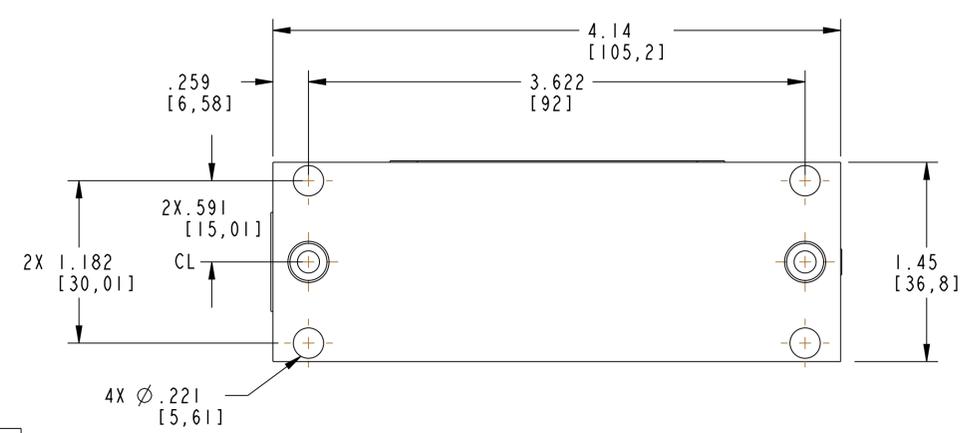
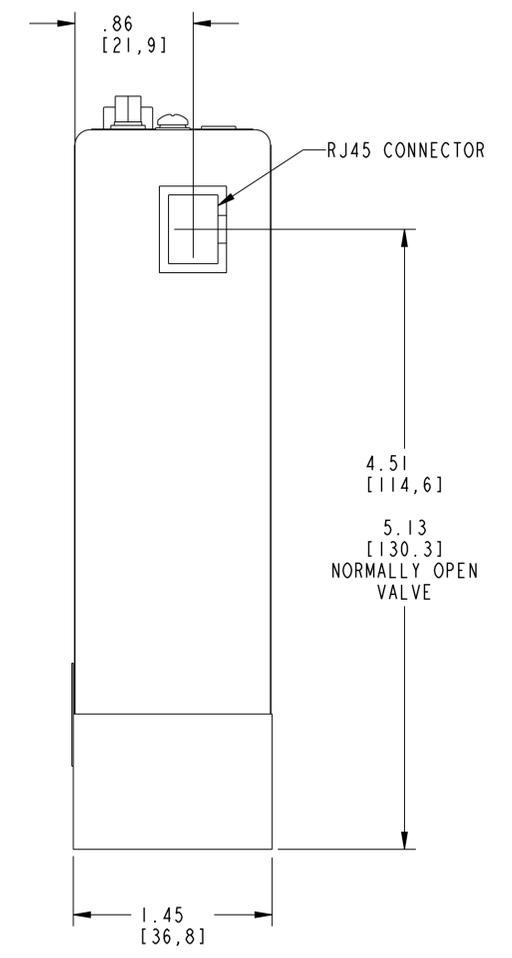
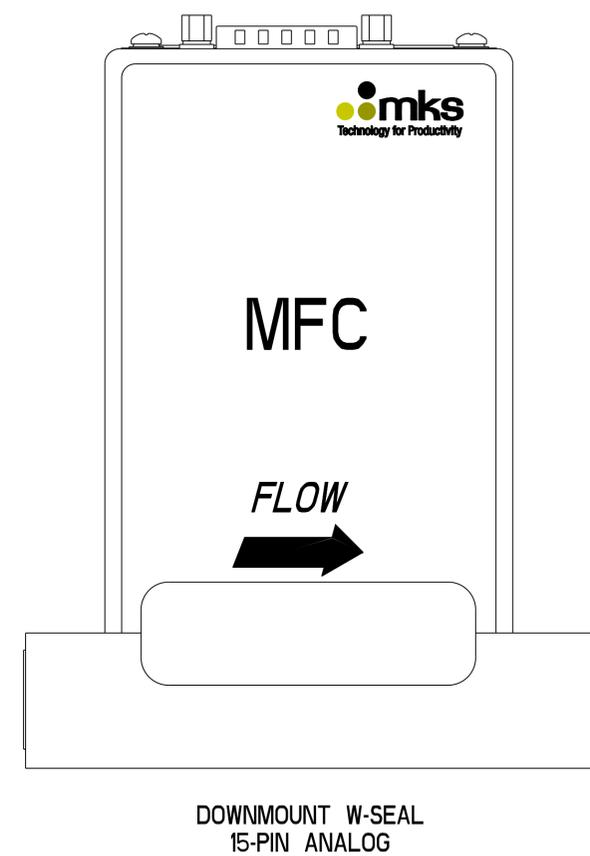
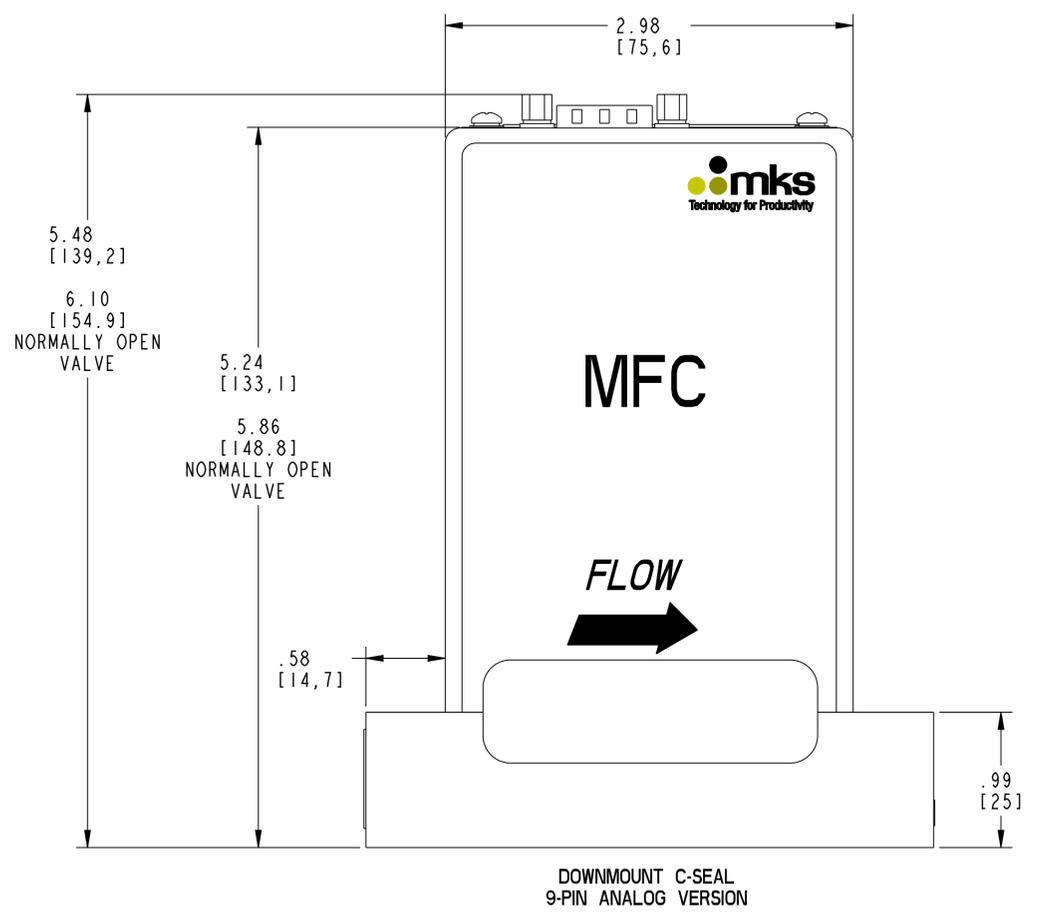
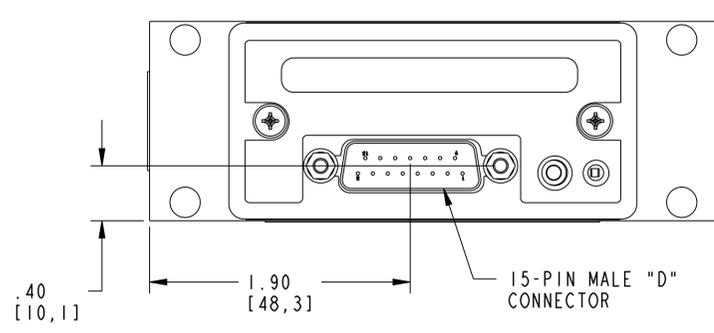
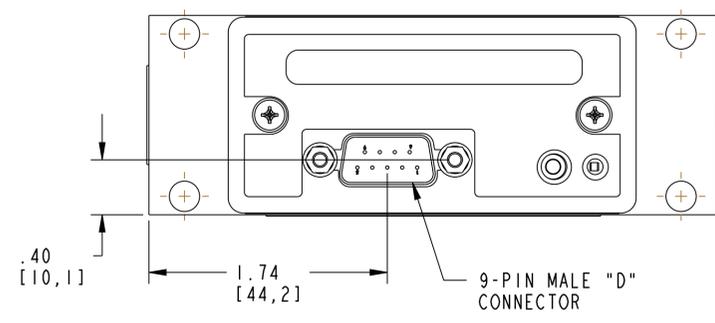
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TITLE
OUTLINE DRAWING
"G" SERIES MFC

DIST. SHT 1	SIZE D	DWG NO. 1042297	REV C
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SCALE NONE SHT 4 OF 6

REVISIONS				
LTR	DESCRIPTIONS	BY/CHK'D	APP'D	DATE
	SEE SHEET 1			

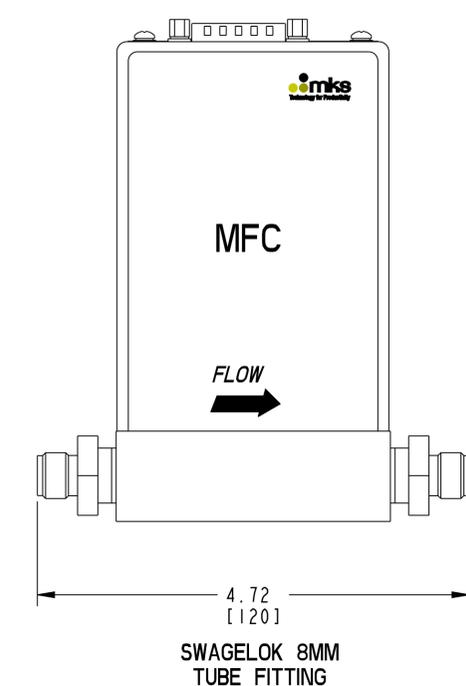
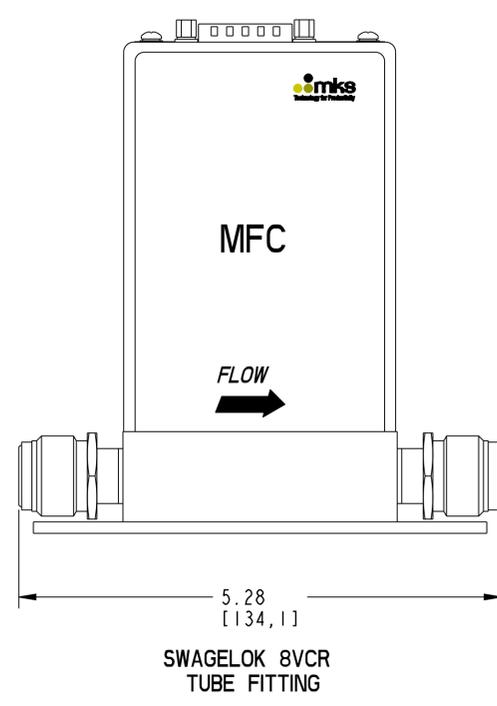
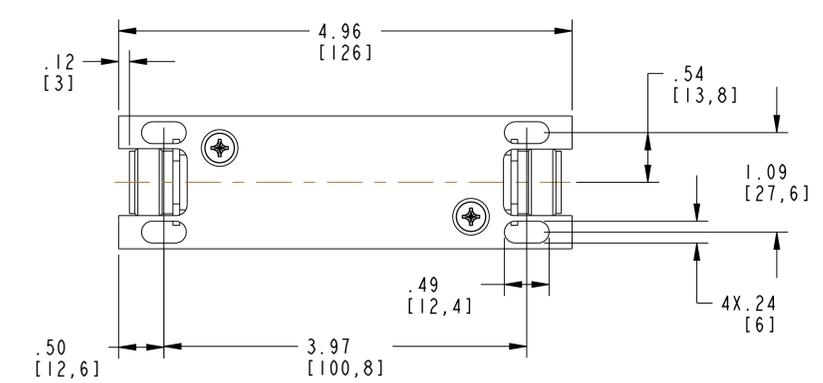
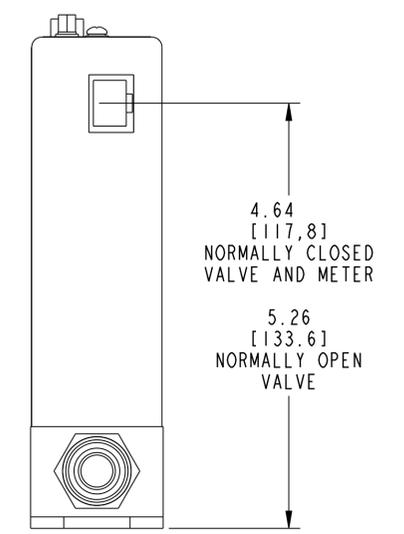
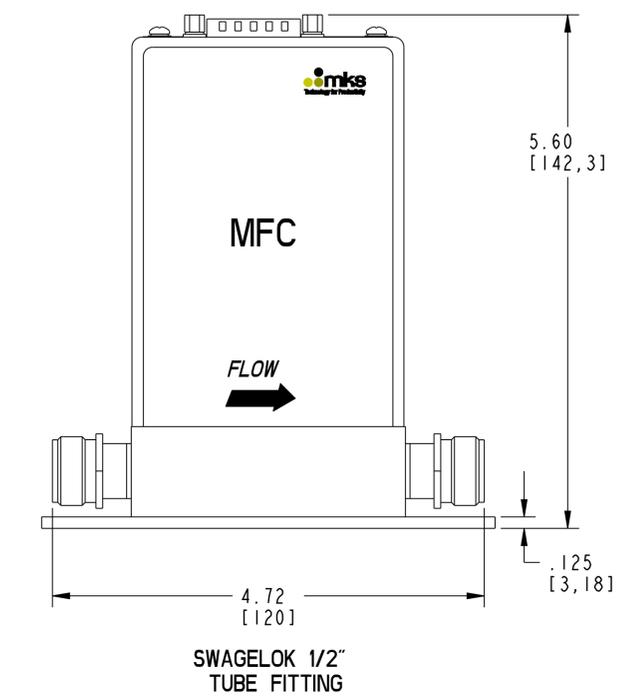
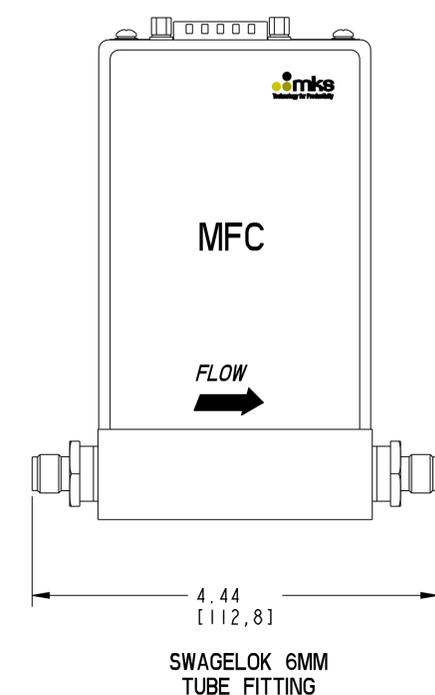
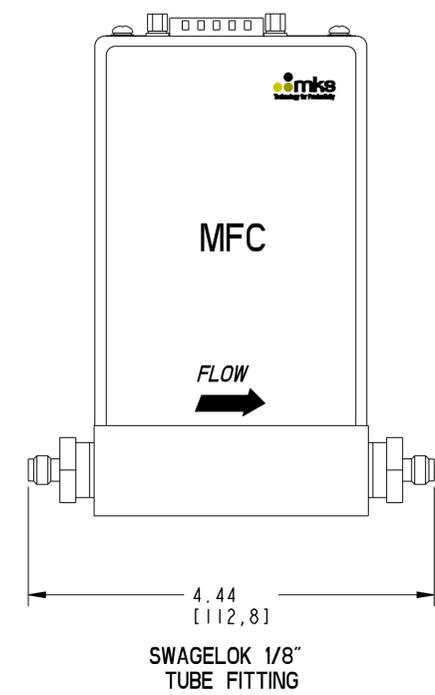


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DIST. SHT 1	SIZE D	DWG NO. 1042297	REV C
SCALE 1.000		SHT 5 OF 6	

REVISIONS				
LTR	DESCRIPTIONS	BY/CHK'D	APP'D	DATE
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SCALE NONE SHT 6 OF 6