

# D07-23

## D07-23 Analog Elastomer-Sealed Mass Flow Controller/Meter - Medium Flow



### FEATURES

- **High accuracy**  
*± 2% F.S.*
- **Suitable for high inlet pressure and vacuum applications**
- **Wide flow range**  
*20 slm – 250 slm*
- **Fast response**
- **CE certified**

Designed for medium flow gas processes, the D07-23

mass flow controller/meter deliver high accuracy

independent of pressure or temperature fluctuations.

The D07-23 is ideal for semiconductor, solar,

petrochemical and pharmaceutical applications and

other industrial gas flow control applications that

require cost-efficient solutions. It offers simple,

convenient operation and flexible installation.

D07-23 mass flow controllers/meters are engineered,

sold, serviced and supported in the U.S. by Helios

Technologies, Inc., and manufactured by Sevenstar.

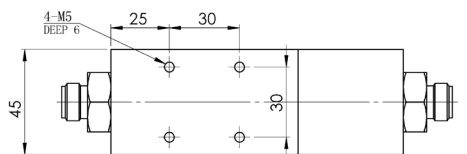
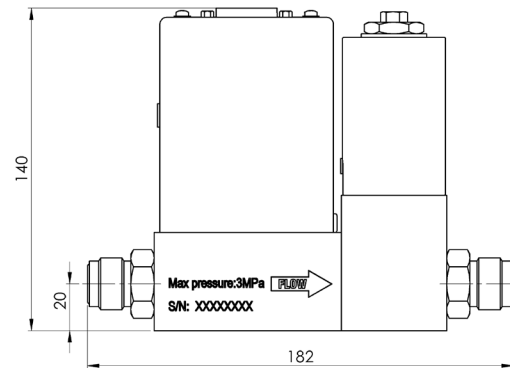
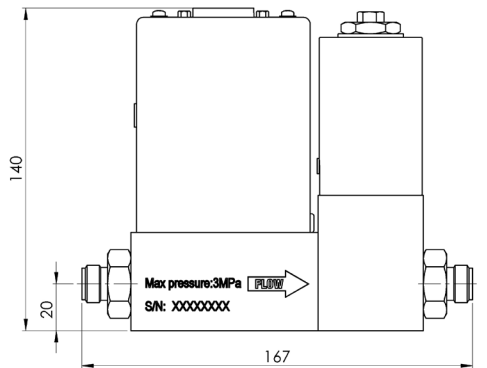


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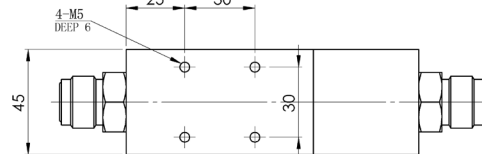
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# D07-23 Analog Elastomer-Sealed Mass Flow Controller/Meter - Medium Flow

Model	D07-23 MFC	D07-23 MFM
Full Scale Range (N <sub>2</sub> )	20 slm – 250 slm	
Control Range	2 - 100% F.S.	
Valve Type	Solenoid	-
Valve Rest Position	Normally Closed	-
Accuracy	± 2% F.S.	
Linearity	± (0.5 – 2) % F.S.	
Repeatability	± 0.2% F.S.	
Step Response Time	< 2 sec	
Temperature Range	5 – 45° C	
Differential Pressure		
20 - 30 slm	50 – 300 kPa / 7 – 42 psi	< 20 kPa / < 2.8
50 - 100 slm	100 – 300 kPa / 14 – 42 psi	< 50 kPa / < 7 psi
150 - 200 slm		
20 – 100 slm	150 – 300 kPa / 21 – 42 psi	
> 100 slm		
Maximum Pressure	2800 kPa(g) (400 psig)	
Leak Integrity	<1×10 <sup>-8</sup> atm-cc/sec He	
Calibration (N <sub>2</sub> )	273.15 K, 101.325 kPa	
Input Voltage	24 V, 400 mA	
Flow Output Signal	4 - 20 mA, 1 - 5 VDC	
Fittings	Swagelok® 6mm, Swagelok 10mm, Swagelok 3/8", VCR®1/2" male, VCO® 1/2" male	
Weight	2.6 kg	1.5 kg



MFC With Swagelok Φ6, Φ8, Φ10, 1/4", 3/8", 1/2" Fitting



MFC With Swagelok 1/2" VCR Fitting

Helios Technologies offers a full range of options to meet your standard or custom specifications. Contact Helios Technologies to discuss your application and specific requirements.

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