

D07-19

D07-19 Analog Elastomer-Sealed Mass Flow Controller/Meter



FEATURES

- **Advanced analog electronics**
- **High accuracy**
5 sccm – 10 slm ± 1% F.S.
10 slm – 30 slm ± 2% F.S.
- **Wide flow range**
5 sccm – 30 slm
- **Drop-in replacement for most standard MFCs**
- **CE certified**

The D07-19 is an analog elastomer-sealed mass flow controller designed to measure and control the flow of gases in a wide variety of applications. It is well suited for the manufacture of semiconductors, petrochemicals, pharmaceuticals, as well as in the vacuum deposition, metallurgy, analytical instrumentation and gas distribution industries. The D07-19 can be used as a replacement for most standard mass flow controllers and can drop directly into the same space without modifying existing gas lines.

D07-19 mass flow controllers are engineered, sold, serviced and supported in the U.S. by Helios Technologies, Inc., and manufactured by Sevenstar.

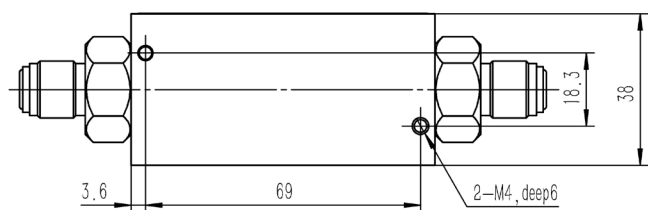
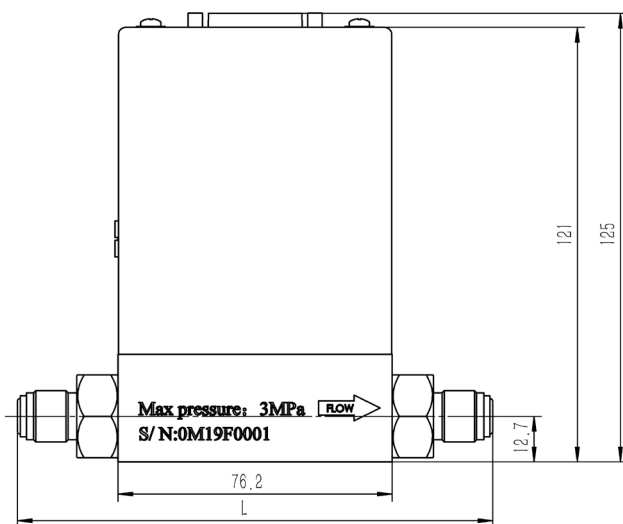


HELIOS TECHNOLOGIES, INC.

15032 Red Hill Ave, Suite C
Tustin, CA 92780 (714) 258-1777
heliostechinc.com • sales@heliostechinc.com

D07-19 Analog Elastomer-Sealed Mass Flow Controller/Meter

Model	D07-19 MFC	D07-19 MFM
Full Scale Range (N ₂)	5 sccm – 30 slm	
Control Range	2 - 100% F.S.	
Valve Type	Electromagnetic	–
Valve Rest Position	Normally Closed	–
Accuracy	± 1% F.S.	
5 sccm – 10 slm	± 2% F.S.	
10 slm – 30 slm		
Linearity	± 1% F.S.	
Repeatability	± 0.2% F.S.	
Step Response Time	1 – 4 sec	
Temperature Range	5 – 45° C	
Differential Pressure	100-480 KPa (14-50 psig)	<0.02 MPa
Maximum Pressure	3MPa (500 psig)	
Leak Integrity	<1×10 ⁻⁸ atm-cc/sec He	
Wetted materials	SS316L, Viton®, Silicone Rubber, NBR	
Static seals	Viton, Silicone Rubber, NBR	
Dynamic seals	Viton, Silicone Rubber, NBR, Teflon®	
Input Voltage	50mA@+15V / 200mA@-15V	
Analog Flow Output Signal	0–5 VDC	
Fittings	VCR® 1/4" male, Swagelok® 1/4", Swagelok 6 mm, VCO® 1/2" male	
Weight	1.2 kg	1 kg



L:	
1/4" VCR.....	124
Ø6 (inner) ×1hose.....	121.2
Ø4 (inner) ×1hose.....	114.2
SWG Ø6、Ø3、1/4"、1/8".....	113.2
SWG 3/8".....	118.2

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.

Viton® and Teflon® are registered trademarks of DuPont™. VCR®, VCO® and Swagelok® are registered trademarks of Swagelok® Company.



HELIOS TECHNOLOGIES, INC.

15032 Red Hill Ave, Suite C
Tustin, CA 92780 (714) 258-1777
heliostechinc.com • sales@heliostechinc.com

06.12