

# D07-19 Selection Guide

D07-[ ] t [ ] ggg [ ] rrrr [ ] ff [ ] s [ ] m [ ] d

## [t] Type Number

[19B] MFC

[19BM] MFM

## [ggg] Gas

Please contact Helios Technologies for assistance in choosing the correct code for your particular gas.

[013] N<sub>2</sub>

[007] H<sub>2</sub>

[000] Mixture Gases (please consult [d] for details)

## [rrrr] Full Scale Flow Range

[005C] 5 sccm [200C] 200 sccm

[010C] 10 sccm [300C] 300 sccm

[020C] 20 sccm [500C] 500 sccm

[030C] 30 sccm [001L] 1 slm

[050C] 50 sccm [002L] 2 slm

[100C] 100 sccm [003L] 3 slm

[005L] 5 slm

[010L] 10 slm

[020L] 20 slm

[030L] 30 slm

[000C] Customized Full Scale  
(please consult [d] for details)

## [ff] Inlet and Outlet Fittings

[AA] Swagelok® 3mm

[GG] Swagelok 6mm

[BB] Swagelok 1/8"

[CC] Swagelok 1/4"

[MM] VCR® 1/4"

[QQ] VCO® 1/2" male

[XX] Customized Fittings (please consult [d] for details)

## [s] Seal Materials

[V] Viton®

[T] Teflon®

[N] Neoprene

## [m] Mounting Position

[H] Horizontal

[E] HESD (Horizontal Edge Side Down)

[U] Vertical Inlet Up

[D] Vertical Inlet Down

## [d] Description

[S] Customized Requirements

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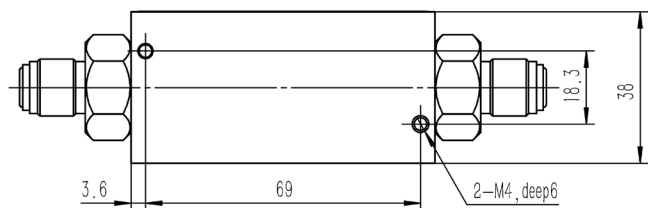
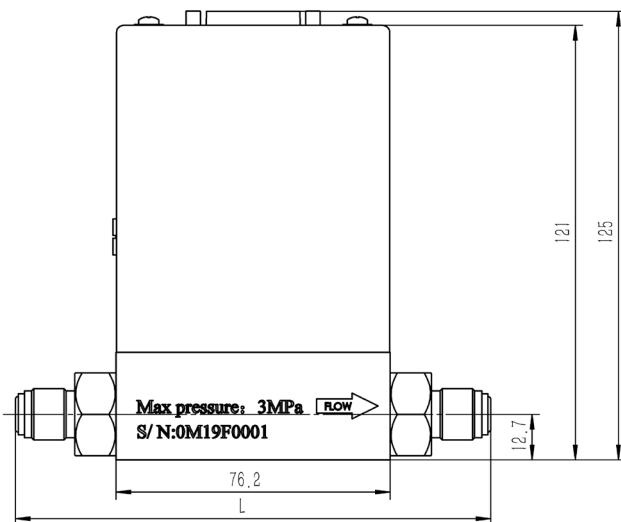


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# D07-19 Analog Elastomer-Sealed Mass Flow Controller/Meter

Model	D07-19 MFC	D07-19 MFM
Full Scale Range (N <sub>2</sub> )	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 <sup>-8</sup> 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.

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