

DC-300 series adopts a capillary thermal temperature difference sensor. The measurement accuracy is not affected by temperature and pressure. The base body is made of 316L stainless steel, which is suitable for toxic and corrosive gases. The maximum working pressure can reach 1500 Psi. The digital measurement control circuit has a stronger anti-interference ability. Digital communication is compatible with analog signals 0~5V/4~20mA. The electrical interface part adopts surge suppression and overvoltage and overcurrent protection circuits to ensure stable and reliable operation of the system. The FDC series has passed CE and Rohs certification and is the best solution for economical digital applications.

Bioengineering, vacuum coating, material preparation, petrochemical industry, surface treatment and other fields.

- ◆ Precise measurement and control
- ◆ Fast response, high repeatability
- ◆ High pressure difference adaptability
- ◆ Maximum working pressure up to 1500 Psi
- ◆ Digital communication, compatible with analog communication
- ◆ Optional LCD screen for local operation and display
- ◆ Economical digital applications

Control range and working pressure

Model	Maximum full scale (N2 standard)	Minimum full scale (N2 standard)	Maximum working pressure
FDC-320/1/5/6	30 SLM	10 SCCM	1500 Psi/100 Bar
FDC-330/1/5/6	100 SLM	30 SLM	1500 Psi/100 Bar
FDC-340/1/5/6	200 SLM	100 SLM	500 Psi/30 Bar
FDC-350/1/5/6	400 SLM	200 SLM	500 Psi/30 Bar
FDC-360/1/5/6	2000 SLM	400 SLM	500 Psi/30 Bar

Note: SCCM (standard milliliters per minute) SLM (standard milliliters per minute) standard conditions (0°C, 101.3Kpa)

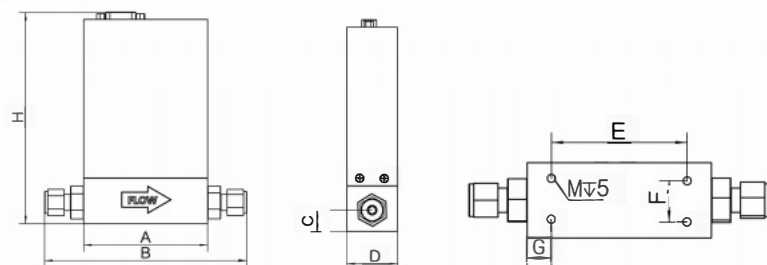
Flow Accuracy	±%1 F.S; ±1.5% F.S(>100 slm)
Repeatability	± 0.2% F.S
Control Range	2%-100% F.S
Response Time	<2s
Temperature Coefficient	Zero: <0.05% of F.S/ °C. Span: <0.1% of S.P /°C
Pressure Coefficient	0.2% of S.P/ Bar
Operating Temperature	0-50°C
Leak Rate	1x10 ⁻⁵ atm. cc/sec He
Preheat Time	5 min accuracy to ±2% F.S (30 min to achieve the best accuracy)

Power Supply	+15~24 V dc
Maximum Power Consumption	10W (MFC) ;3W (MFM)
Digital Communication	RS-485 (modbus Rtu protocol)
Analog Communication	0~5 V / 4~20mA
Fittings	9-pin D-connector (male)

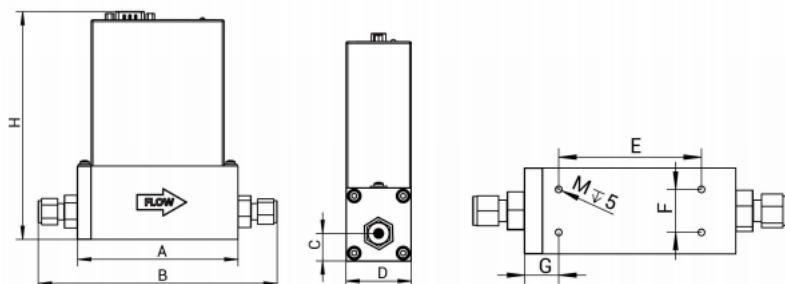
Valve Type	Normally closed (MFM meaningless)
Substrate Material	316L stainless steel
Sealing Material	Fluorine rubber, EPDM rubber, nitrile rubber
Fittings	1/8, 1/4, 3/8, ½, ¾, 1 card sleeve or VCR

SIZE(mm)&WEIGHT(kg)

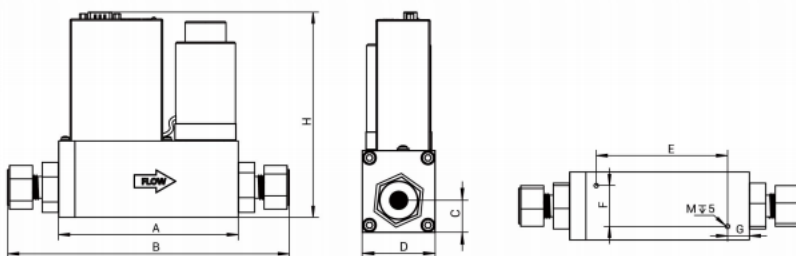
FDC-32x



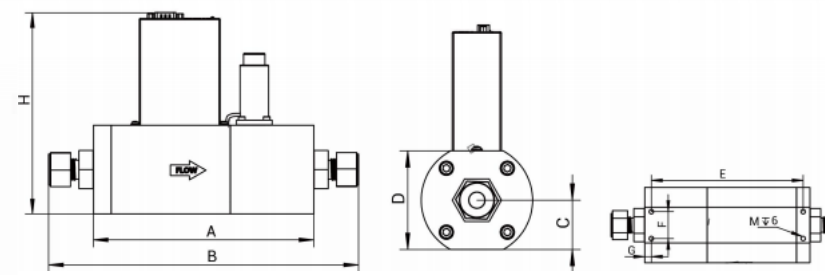
FDC-33-34x



FDC-35x



FDC-36x



Model	A	B	C	D	H	E	F	G	M	Weight
FDC-320/1/5/6	76	124	13	31	125	56	17	10	M4	0.6
FDC-330/1/5/6	98.5	147	17	40	135	66.5	20	16	M4	0.8
FDC-340/1/5/6	98.5	147	17	40	135	66.5	20	16	M4	1.0
FDC-350/1/5/6	132	208	22	50	150	96.5	30	16	M4	1.5
FDC-360/1/5/6	185	260	37	85	170	170	30	7.5	M6	2.5

Selection table
SIZE&WEIGHT

FDC	-	3N	N
Product Series		Full scale range	Product type
Economical Analog Series		Select according to the range table	0 Controller 1 Flow meter

