

Breezens®

Accurate, Fast and Reliable

HP MFC

High Pressure
Mass Flow Controller



Measurement Range

بازه اندازه گیری

0 ... 10,20,50,100,200,500 (sccm)

0 ... 1,2,5,10,20,50 (slm)

Other Range up to 50slm (By Order)



Operating Pressure

فشار کاری

Max Inlet Pressure :

<40 (bar)

<100 (bar) (By Order)

Max ΔP:

15 (bar)

<25 (bar) (By Order)

Min ΔP:

1 (bar)

<1 (bar) (By Order)



Operating Gas

گاز کاری

Air, N2, H2, Ar, O2

Other Gases (By Order)

HP MFC

High Pressure
Mass Flow Controller



Measurement Range

بازه اندازه گیری

0 ... 10,20,50,100,200,500 (sccm)
0 ... 1,2,5,10,20,50 (slm)
Other Range up to 50slm (By Order)



Accuracy

دقت اندازه گیری

< ± 1.5% (FS)
< ± 1% (FS) (By Order)



Response Time

پاسخ زمانی

1.5 ... 2.5 (s)
1 ... 1.5 (s) (By Order)



Resolution

تفکیک پذیری

500
1000 (By Order)



Turndown

بازه مفید عملکردی

1:50
1:100 (By Order)



Warm-up time

زمان آمادگی به کار

5 (min) for Acc. < ±2.0 (FS)
45 (min) for Acc. < ±1.5 (FS)



Power Supply

ولتاژ تغذیه

20 ... 25 (Volt)



Power Consumption

توان مصرفی

< 7.2 (Watt)



Electrical Connection

اتصال الکتریکی

1 x 9 - pin Male Sub-D (DB9)
EX Connector (By Order)



Signal In & Out

سیگنال ورودی و خروجی

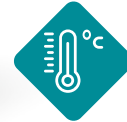
0 ... 5 (Volt)
4 ... 20 (mA) (By Order)
Modbus (By Order)
(RS485_Auto Baud Rate)
(RTU_ASCII)



Operating Gas

گاز کاری

Air, N₂, H₂, Ar, O₂
Other Gases (By Order)



Operating Temperature

دمای کاری

-5 ... +40 (°C)



Operating Pressure

فشار کاری

Max Inlet Pressure :
<40 (bar)
<100 (bar) (By Order)
Max ΔP:
15 (bar)
<25 (bar) (By Order)
Min ΔP:
1 (bar)
<1 (bar) (By Order)



Wet Parts

جنس مواد بدنه

SS 304 & SS 420 & Al
SS 316 & CRC* (By Order)



Seals

عایق بندی

NBR
Viton, EPDM, FVMQ (By Order)



Mechanical Fitting

اتصالات مکانیکی

BSP; 1/4"
Other (By Order)



Dimensions

ابعاد

98x40x133 (mm)



Weight

وزن

~800 (gr)