

# MF1 Mass Flow Controller Pin-outs

## Analog ±15 VDC Supply

connector: 9-pin D-sub

Pin	Description
1	Valve Override
2	Flow
3	Power+ [+15 VDC]
4	Power_Ground
5	Power- [-15 VDC]
6	Set Point
7	Signal Ground
8	Reserved
9	Reserved

## Analog +24 VDC Supply

connector: 9-pin D-sub

Pin	Description
1	Valve Override
2	Flow
3	Power+ [+24 VDC]
4	Signal Ground
5	Power_Ground
6	Set Point
7	Signal Ground
8	Reserved
9	Reserved

## Profibus

connector: 9-pin D-sub Socket

Pin	Description
1	NC
2	NC
3	RxD/TxD-P
4	CNTR-P

5	DGround
6	VP
7	NC
8	RxD/TxP-N
9	NC

Modbus (2 wire version)  
connector: 9-pin D-sub Socket

Pin	Description
1	C/C' (Common)
2	VP (DC Power Supply +20 to +30 VDC)
3	PMC
4	Reserved
5	B/B'
6	Reserved
7	Reserved
8	Reserved
9	A/A'