

How To Order Flowstream Multigas Series

Select the appropriate symbols to build a model code:

Example: **OFM - E F - 3 H 51 - T - X 1 B - D10 - R**

SERIES = **OFM**

MATERIAL FOR METER BODY

Anodized Aluminum = **E**
316 Stainless Steel = **I**

SEALS

Viton = **F**
Buna N = **B**

THREAD TYPE FOR THREADED PORT

N = NPT
T = SAE
B = BSPT
P = BSPP

DIGITAL VISUAL DISPLAY WITH OUTPUT

X1A = 4-20mA
X1B = 4-20mA with 2 alarms
X2A = 4-20mA IS
X4A = 0-5 VDC
X4B = 0-5 VDC with 2 alarms
X5A = 0-10 VDC
X5B = 0-10 VDC with 2 alarms
X12A = 1-5 VDC
X12B = 1-5 VDC with 2 alarms
X14A = 2-10 VDC
X14B = 2-10 VDC with 2 alarms
X19A = 0-1000 HZ
X20A = 200-1200 HZ
X22A = pulse out (rate varies with size)
X30A = 0-5 VDC (bi-directional flow)
X40A = visual readout only battery powered

CABLE LENGTH

3 feet standard = **D3**
Specify required cable length in feet = **D**
No cable (battery powered) = **B**

SPECIAL OPTIONS

CLEAN FOR OXYGEN SERVICE = **C1**

CALIBRATE ON ACTUAL GAS

Argon = **R**
Nitrogen = **N**
Helium = **HE**
Carbon Dioxide = **CO2**

NOTE: Consult factory for other gasses and mixes

CALIBRATE AT SPECIFIC PRESSURE IN PSIA

NOTE: Select any specific pressure between 10 and 100 PSIA

EX: Optimize for 10 PSIA pressure = **P10**
Optimize for 45 PSIA pressure = **P45**

VACUUM USE (7.35 to 14.7PSIA) = **ZVAC**

NOTE: Also good for use at normal pressures

GAS SIZING FACTORS

Gas Number	Gas	Multiplier	Accuracy Degredation (+/-)
1	Air	1.00	0.0%
2	Argon	0.82	0.2%
3	CO2	0.61	1.0%
4	Helium	0.92	1.0%
5	Hydrogen	2.05	0.0%
6	Methane	1.65	0.5%
7	Nitrogen	1.03	0.0%
8	Oxygen	0.90	0.5%

For example, selection of a nominal flow size 3M15 would read to a maximum of 300 SCFH of air and would also read to 247 SCFH Argon with additional inaccuracy or .2%

NOTE: These multipliers are to help size and choose the appropriate flow meter. Each gas is displayed directly on the flow meter.

MULTIGAS FLOW SELECTION CHART

SCFH (Air)					
Line Size In Inches	Pipe Size Symbol	Nominal Size	SCFH	Max Pressure Drop PSI	
1/4	2	H 20	1	2	
	2	H 40	4	2	
	2	H 41	25	2	
	2	H 42	50	2	
	2	H 43	75	2	
	2	H 44	100	2	
	2	H 45	175	2	
	2	H 46	200	2	
	2	H 47	300	3	
	2	H 48	400	3	
3/8	3	H 49	300	2	
	3	H 50	400	2	
	3	H 51	450	2	
	3	H 52	500	2	
	3	H 53	600	3	
	3	H 54	700	3	
1/2	4	H 55	500	2	
	4	H 56	600	2	
	4	H 57	700	2	
	4	H 58	800	2	
	4	H 59	900	3	
	4	H 60	325	3	
	4	H 61	350	3	
	4	H 63	375	3	
	4	H 64	1000	3	
	4	H 65	1100	3	
	4	H 66	1200	3	
3/4	6	H 67	1000	1.4	
	6	H 68	1300	1.8	
	6	H 69	1350	1.7	
	6	H 70	1400	2.1	
	6	H 71	1500	2.4	
	6	H 72	1550	3	
	6	H 73	1600	2.5	
	6	H 75	1650	3	
	6	H 76	1700	2.7	
	6	H 78	1800	2.9	
	6	H 79	1900	3.1	
	6	H 80	2000	3.3	
SLPM (Air)					
Line Size In Inches	Pipe Size Symbol	Nominal Size	SCCM	Max Pressure Drop PSI	
1/4	2	C 30	500	2	
	2	P 50	SLPM 2	2	
	2	P 51	10	2	
	2	P 52	25	2	
	2	P 53	50	2	
	2	P 54	75	2	
	2	P 56	100	2	
	2	P 57	150	3	
	2	P 58	200	3	
3/8	3	P 59	150	2	
	3	P 60	200	2	
	3	P 64	250	3	
	3	P 65	300	3	
	3	P 66	350	3	
1/2	4	P 67	200	2	
	4	P 68	250	2	
	4	P 69	300	2	
	4	P 70	350	2	
	4	P 71	400	2	
	4	P 72	450	3	
	4	P 74	500	3	
	4	P 75	550	3	
3/4	6	P 76	500	1.4	
	6	P 77	600	1.8	
	6	P 79	700	2.4	
	6	P 80	800	2.7	
	6	P 81	900	3.1	
	6	P 82	1000	3.5	